Curriculum Vitae

Personal Information:

Name: Dr. Ali Morsali

Professional Address: Tarbiat Modares University (TMU), Tehran, Iran.

Telephone: 0098 21 82884416

Cell Phone: 00989122420568

Personal Address: Ehsan Garbi alley, Fakhar Mogaddam Street, Shahrak Garb, Tehran

Email: morsali_a@yahoo.com and morsali_a@modares.ac.ir

Date of Birth: 23, 8, 1972

Place of Birth: Hidaj, Zanjan, Iran

Citizenship: Iran

➢ Biography:

Ali Morsali was born in the Hidaj, Zanjan, Iran. He attended Tarbiat Moallem University, Tehran and earned a B.S. degree in Chemistry. He received his MS degree in Inorganic Chemistry in Zanjan University, Zanjan. He then attended graduate school at Tarbiat Modares University, Tehran and earned his Ph.D. in 2003 and he began his independent career at the Tarbiat Modares University where he has been a Professor in the Department of Chemistry since 2012. In 2016, he spent six months as a sabbatical period in Prof. Joseph Hupp's and Prof. Omar Farha's group, Northwestern University. He also spent the other six months as a sabbatical period in Prof. Omar Yaghi's group, Berkeley in 2017. Also in summer of 2019, he spent three months as a guest scientist at Düsseldorf University in Prof. Christoph Janiak

group. His research interests are primarily in the area of inorganic chemistry, coordination polymers and metal–organic frameworks.

➢ Fducation and Employment History:

1993-1997: **bachelor**, Chemistry, Kharazmi University (Tarbiat Moallem University), Tehran, Iran

1997-1999: **Masters**, Inorganic Chemistry, University of Zanjan, Zanjan, Iran

2000 - 2003: **PhD** in Inorganic Chemistry, Tarbiat Modares University, Tehran, Iran

2004 - 2007: **Assistant Professor**, Tarbiat Modares University, Tehran, Iran

2008 - 2011: **Asociate professor**, Tarbiat Modares University, Tehran, Iran

2012 - present: **Full professor**, Tarbiat Modares University, Tehran, Iran

Research and Training:

-More than 700 published papers in International ISI Journals.

-More than 60 papers in international and national chemistry seminars.

-5 national patents

- Four chapters of international book

-Four national books

-Four international books published by John Wiley & Sons

➢ Awards and Ranks:

1. Selected Iranian Ministry of Science and Technology as Elected student of country (Iran), 2001, Tehran, Iran

2.Winer of the 21th Khwarizmi International Award, Feb. 5th, 2008, Tehran, Iran

3. TWAS Prize' winner, 2008

4. Elected scholar of Islamic Countries in 2009

5. ISI elected scholar in 2010 until now

6. Distinguished Researcher Award in Iran Nano Technology festival, 2009, Tehran, Iran

7. Second place award in Iran Nano Technology festival, 2010, Tehran, Iran

8. First place award in Iran Nano Technology festival, 2011, Tehran, Iran

9. First place award in Iran Nano Technology festival, 2012, Tehran, Iran

10. Selected Iranian Ministry of Science and Technology as the most cited Iranian author of the 2011 in international profile.

11. Tarbiat Modares University Distinguished Researcher between 2003 2023, Tehran, Iran.

12. Distinguished researcher of Iran Nano Technology Association, 2011, Tehran, Iran

13. Distinguished researcher of Iran Nano Technology Association, 2012, Tehran, Iran

14. Distinguished Professor of Inorganic Chemistry (Selected of Iranian Chemical Society)

15. Selected Best Iran Scientific Book (Supramolecuare nanochemistry written by Ali Morsali) in 2010.

16. Second place award in Iran Nano Technology festival, 2013, Tehran, Iran

17. Third place award in Iran Nano Technology festival, 2014, Tehran, Iran

18. Fourth place award in Iran Nano Technology festival, 2015, Tehran, Iran

19. Third place award in Iran Nano Technology festival, 2016, Tehran, Iran

20. Fifth place award in Iran Nano Technology festival, 2017, Tehran, Iran

21. Fourth place award in Iran Nano Technology festival, 2019, Tehran, Iran

22- Second place top award in Iran Science Elites Federation festival, 2020, Tehran, Iran

23- First place top award in Iran Science Elites Federation festival, 2021, Tehran, Iran

24- First place top award in Iran Science Elites Federation festival, 2022, Tehran, Iran

25- Selected Iranian Ministry of Science and Technology as Elected professor of country (Iran), 2023, Tehran, Iran

26- Second place top award in Iran Science Elites Federation festival, 2023, Tehran, Iran

➢ International Books:

1. Main Group Metal Coordination Polymers: Structures and Nanostructures

   Author(s): **Ali Morsali**, Lida Hashemi, 2017, ISBN:9781119370239; Scrivener Publishing LLC (Publisher: John Wiley & Sons)

2. Pillared Metal-Organic Frameworks: Properties and Applications,

   Author(s): Lida Hashemi, **Ali Morsali**; 2019; ISBN:9781119460244, Scrivener Publishing LLC (Publisher: John Wiley & Sons).

3. Functional Metal-Organic Frameworks: Structure, Properties and Applications

   Author(s): **Ali Morsali**, Sayed Ali Akbar Razavi; 2021; ISBN: 978-1-119-64043-1; 2021; Scrivener Publishing LLC (Publisher: John Wiley & Sons).

4. Metal-Organic Frameworks with Heterogeneous Structures

   Author(s); Ali Morsali, Kayhaneh Berijani,; 2021; ISBN: 1119792045, 9781119792048

   ; Scrivener Publishing LLC (Publisher: John Wiley & Sons).

➢ International Book Chapters:

1. Alkaline-earth metal carbonate, hydroxide and oxide nano-crystals synthesis methods, size and morphologies consideration

   Authors: Mohammad Amin Alavi, **Ali Morsali, 2011,** (book Title: Nanocrystal) (Publisher: InTech)

2. Metal-Organic Frameworks (MOFs) and Its Composites

Author(s):**Ali Morsali**, Lida Hashemi, 2016 (book Title: Nanomaterials and Nanocomposites: Zero-to Three-Dimensional Materials and Their Composites) (Publisher: John Wiley & Sons)

P

3. Chapter Two - Nanoscale coordination polymers: Preparation, function and application
Author(s): **A**. **Morsali**, L. Hashemi; 2020 (book Title: Nanoscale Coordination Chemistry) (Advances in Inorganic Chemistry; Publisher: Elsevier)

4. Chapter 6-Chiral MOFs for Asymmetric Catalysis

Author(s): Kayhaneh Berijani, Ali Morsali, 2024

(book Title: Catalysis in Confined Frameworks: Synthesis, Characterization, and Applications) (Publisher: John Wiley)

➢ National Completed research projects

1- Study and feasibility study of replacement of bentonite with salt gel (Ataplugite) or other synthetic materials for construction of drilling cell in 24 or 26 inch wells of South Pars (National Petroleum Company – Start 2007-End of Summer 2009). Client: National Gas Company-Total Budget: 25000USD

Number of Participant=1(Prof. Ali Morsali, As correspondence)

2-Synthesis, characterization and structural studies and investigation of the thermal properties of new cordless polymers with two-toothed and beta-ketone exo ligands (INSF - Start 2005-End of 2007), Total Budget: 10000USD

Number of Participant= Prof. Ali Morsali, As correspondence)

3-Synthesis and characterization of new metal-organic polymer compounds, thermal structural studies and luminescence (INSF - Start 2007- End of Summer 2009), Total Budget: 7000USD

Number of Participant=1(Prof. Ali Morsali, As correspondence)

4-synthesis the ideal metal-organic frameworks for methane gas storage at pilot scale as well as build the relevant ANG tank and investigate its features. Client: Mazandaran Gas Company- Start 2014- End of Summer 2016), Total Budget: 5000USD

Number of Participant=1(Prof. Ali Morsali, As correspondence)

5- Produce the ideal metal-organic framework for pilot-scale methane gas storage as well as build the relevant ANG reservoir and investigate its features. Client: Mazandaran Gas Company, Sari, Start 2018- End of Summer 2021), Total Budget: 3500USD

Number of Participant=2(Dr. Amir reza Abasi and Prof. Ali Morsali, As correspondence)

- **International research projects**

1-Inorganic Perovskite coupled with graphitic carbon notride (g-C_3N_4) and Metal-Organic Framework (MOFs) as photocatalysts for wastewater treatment (Jundishapur research program-IRAN-FRANCE)

Start 2018- End of Summer 2021), Total Budget: 15000USD

Nuber of Participant=2 (Ali Morsali, As correspondenceand Prof. Rabah Boukherroub, Group Leader
Associate Editor, ACS Applied Materials & Interfaces
Institut d'Electronique, de Microélectronique et de Nanotechnologie (IEMN), UMR CNRS8520
Avenue Poincaré - CS60069
59652 Villeneuve d'Ascq, France
Tel: +33 (0)3 62 53 17 24
Cell: +33 (0)6 03 57 25 23
E-mail: rabah.boukherroub@univ-lille.fr
https://www.iemn.fr/la-recherche/les-groupes/groupe-nbi

2-Porous Metal-Organic and Organic Frameworks Membrane for Gas Phase and Liquid Phase Separation, (**International Joint Research Proposal no. 99009822-IRAN-CHINA)**

Start 2021- End of Summer 2024), Total Budget: 35000USD

Nuber of Participant=2 (Ali Morsali, As correspondenceand and Prof. Tianfu Liu 刘天赋, Fujian institute of research on the structure of matter, Chinese academy of sciences. 中国科学院福建物质结构研究所, http://www.fjirsm.ac.cn/ https://www.x-mol.com/groups/liu_tianfu/

➢ National Patents

1- Synthesis of silver nanoparticles using precursors of cordial polymers

2- Synthesis of nano-minerals with different morphologies from precursors of cordial polymers

3- Application of ultrasound in the preparation of silk fibers containing silver halide nanoparticles

➢ Publications:

1. A. K. Hall, J. M. Engelhard, A. Morsali,* A. A. Soudi, A. Yanovsky,
   Bonds and lone pairs in the flexible coordination sphere of lead (II),
   crystal engineering communication
   2000, 2, 82-85. https://doi.org/10.1039/B001972K

2. A. R. Mahjoub,* A. Morsali,

   Crystal structure of mesonitrato-O,O'-bis(1,10-phenantroline)isothiocyanatolead(II), C25H16N6O3PbS,

Zeitschrift für Kristallographie-New Crystal Structures **2001**, 216, 635-636.
https://doi.org/10.1524/ncrs.2001.216.14.635

3. A. Morsali, A. Tadjarodi, R. Mohammadi, A. R. Mahjoub,*

Crystal structure of bis(4, 4'-bithiazole)bismuth(III) trinitrate hemihydrate, $Bi(C_6H_4N_2S_2)_2(NO_3)_3.0.5H_2O$,
Zeitschrift für Kristallographie-New Crystal Structures **2001**, 216, 401-402.
https://doi.org/10.1524/ncrs.2001.216.14.401

4. R. Mahjoub,* A. Morsali,

A Dimeric Mixed-Anions Lead(II) Complex: Syntheses and Structural Characterization of $[Pb_2(BTZ)_4(NO_3)](ClO_4)_3$,{BTZ=4,4´–Bithiazole},
Chemistry Letters **2001**, 30:12, 1234-1235. https://doi.org/10.1246/cl.2001.1234

5. Morsali, A. Ramazani,* F. Jamali, F. Gouranlou,

Crystal structure of diaqua-bis[N-(2-pyridyle)carbonylaniline]zinc(II) diperchlorate, $Zn(C_{12}H_{16}N_2O)(H_2O)_2(ClO_4)_2$,
Zeitschrift für Kristallographie-New Crystal Structures **2001,** 216, 639-640.
https://doi.org/10.1524/ncrs.2001.216.14.639

6. A. Morsali, A. Ramazani,* F. Jamali, F. Gouranlou,

Crystal structure of pyridine-2-carbaldehyde thiosemicarbazonium perchlorate, $(C_7H9N_4S)(ClO_4)$, *Zeitschrift für Kristallographie-New Crystal Structures* **2001**, 216, 641-642.
https://doi.org/10.1524/ncrs.2001.216.14.641

7. A. Morsali,* M. Payheghader, M. S. Salehi,

A New Polymer of Mixed-Anions Complex $[Pb(phen)(O_2CCH_3)(O_2NO)]_n$ (phen=1,l0–phenanthroline),
Zeitschrift für anorganische und allgemeine Chemie **2002**, 628, 12-14.
https://doi.org/10.1002/1521-3749(200201)628:1%3C12::AID-ZAAC12%3E3.0.CO;2-Q

8. A. R. Mahjoub,* A. Morsali,

Syntheses and characterization of lead(II) salts with 4,4´-bithiazole ligand: X-ray crystal structure of $[(BTZ)_2Pb(NO_3)_2]$ and $[(BTZ)Pb(SCN)_2]_n$ (a new polymeric compound),
Polyhedron **2002**, 21, 197-203. https://doi.org/10.1016/S0277-5387(01)00986-X

9. R. Mahjoub,* A. Morsali, M. R. Poorheravi and E. Shams,

Crystal structure of 4,4′, 5,5′- tetraphenyle-2,2′-bithiazole, $C_{30}H_{20}N_2S_2$,
Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217(JG), 79-80.
https://doi.org/10.1524/ncrs.2002.217.jg.97

10. A. Ramazani,* A. Morsali, F. Jamali, F. Gouranlou, A. R. Jalilian,

Crystal structure of N-[3-(2,4-dimethyle-1,3-thiazol-yl)-5-(methylesulfanyl)-4H-1,2,4-triazol-4-yl]phenyle-N,N-dimethylamine hydrate, $C_{16}H_{19}N_5S_2 . 0.5H_2O$,
Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217(1), 74-76.
https://doi.org/10.1524/ncrs.2002.217.1.74

11. A. Ramazani,* A. Morsali, F. Jamali, F. Gouranlou, A. R. Jalilian, and A. Momeni-Movahhed,

Crystal structure of 4-[4-dimethylamino)phenyl]-5-(2,4-dimethyl-1,3-thiazol-5-yl)-2,4-dihydro-3H-1,2,4-triazol-3-thione,$C_{15}H_{17}N_5S_2$
Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217, 149-150.
https://doi.org/10.1524/ncrs.2002.217.jg.149

12. A. Ramazani,* A. Morsali, F. Jamali, F. Gouranlou,

Crystal structure of bis[5-methyl-1-(2-pyridyl)pyrazol-3-carboxamide]-nitratozinc(II) nitrate perchlorate monohydrate, $[Zn(C_{10}H_{10}N_4O)_2NO_3][(NO_3)_{0.6}(ClO_4)_{0.4}].H_2O$, an unusual zinc(II) complex,
Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217, 228-230.
https://doi.org/10.1524/ncrs.2002.217.jg.228

13. A. Ramazani,* N. Noshiranzadeh, S. Kaffashy, A, Morsali, A. Jamali, F. Gouranlou,

Crystal structure of dimethyl 3H-naphtho[2,1,b]pyran-2,3-dicarboxylate, $C_{17}H_{14}O_5$,

Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217, 231-232. https://doi.org/10.1524/ncrs.2002.217.jg.231

14. R. Mahjoub,* A. Morsali,

Direct synthesis of a dimeric mixed-anions Lead(II) complex, crystal structure of $[Pb(PHEN)(_2OCCH_3)(NCS)]_2$,

Polyhedron **2002**, 21(12-13), 1223-1227. https://doi.org/10.1016/S0277-5387(02)00977-4

15. R. Mahjoub,* A. Morsali,

Refinement of the crystal structure of bis(1,10-phenanthroline)bismuth(III)trinitrate $C_{24}H_{16}BiN_7O_9$, at 110K,

Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217, 513-514. https://doi.org/10.1524/ncrs.2002.217.1.513

16. A. Ramazani,* A. Morsali, A. R. Jalilian, F. Jamali, F. Gouranlou,

Crystal structure of 4-methyl-5-(5-{[5-(4-methyl-2-phenyl-1,3-thiazol-5-yl)-4-phenyl-4H-1,2,4-triazol-3-yl}disulfanyl]-4-phenyl-4H-1,2,4-triazol-3-yl)-2-phenyl-1,3-thiazol, $(C_{36}H_{26}N_8S_4)(C_2H_3N)$,

Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217, 395-397. https://doi.org/10.1524/ncrs.2002.217.jg.395

17. R Mahjoub,* A. Morsali,

Refinement of the crystal structure of trans-bis(1,10-phenanthroline)bismuth(III) tribromide, $C_{24}H_{16}BiBr_3N_4$,

Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217, 513-514. https://doi.org/10.1524/ncrs.2002.217.1.513

18. R Mahjoub,* A. Morsali, H. Bagherzadeh,

Syntheses and characterization of thallium (I) complexes with 3-nitrophenoxide [Tl (3-np)], 4-nitrobenzoate [Tl(4-nb)] and 2,4-dinitrophenoxide [Tl(2,4-dnp)]: X-ray crystal structures of $[Tl(3\text{-}np)]_n$ and Tl(2,4-dnp) (two new polymeric compounds),

Polyhedron **2002**, 21**,** 2555-2560. https://doi.org/10.1016/S0277-5387(02)01230-5

19. A. Ramazani,* A. Morsali, N. Noshiranzadeh, B. Mohammadi, A. Souldozi, F. Jamali, F. Gouranlou,

Crystal structure of methyl 3-oxo-3H-benzo[f]chromene-1-carboxylate, $C_{15}H_{10}O_4$,
Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217, 393-394.
https://doi.org/10.1524/ncrs.2002.217.jg.393

20. A. Ramazani,* A. Morsali, N. Noshiranzadeh, B. Mohammadi, H. Arjmandfar, Z. Starikova, A. Yanovsky,

Crystal structure of dimethl 6-bromo-2H-benzopyran-2,3-dicarboxylate, $C_{13}H_{11}BrO_5$,
Zeitschrift für Kristallographie-New Crystal Structures **2002**, 217, 595-596.
https://doi.org/10.1524/ncrs.2002.217.jg.595

21. A. Morsali,* A. Ramazani , M. Babaee, F. Jamali, F. Gouranlou, H. Arjmandfar, A. Yanovsky,

Mixed-Anions Cu(II) Complexes With 3-(pyridin-2-yl)pyrazole (L), Syntheses and X-ray Crystal structure of $[Cu(L)_2\ Br]ClO_4$ (L=3-(pyridin-2-yl)pyrazole),

Journal of Coordination Chemistry **2003**, 56, 455-461. https://doi.org/10.1080/00958970305496

22. A. R. Mahjoub,* A. Morsali,

Direct Synthesis A Dimeric Mixed-Anions Bismuth(III) Complex: Synthesis and Structural Characterization of $[Bi_2(phen)_4(NO_3)_{4.4}I_{0.6}]I_3$,
Journal of Coordination Chemistry **2003**, 56, 571-577.
https://doi.org/10.1080/0095897031000110628

23. A. R Mahjoub,*A. Morsali,

Hg(II), Tl(III), Cu(I), and Pd(II) Complexes With 2, 2′-diphenyl-4, 4′-bithiazole (DPBTZ), Syntheses and X-ray Crystal structure of $[Hg(DPBTZ)(SCN))_2]$,
Journal of Coordination Chemistry **2003**, 56, 779-785.
https://doi.org/10.1080/0095897031000110600

24. A. Morsali,* M. Payheghader, M. S. Salehi and Maryam Moradi,

Syntheses and charaterization of a new one–dimensional polymer containing (μ-thiocyanate)(bpy)lead(II) molecule and new mixed-anions lead(II) complexes: crystal structures of $[Pb(bpy)(SCN)_2]_n$ (bpy=2,2'–bipyridilyl) and $[Pb(phen)_2(NO_3)_{0.7}(ClO_4)_{0.3}](ClO_4)$ (phen=1,10-phenanthroline),
Journal of Coordination Chemistry **2003**, 56, 761-770.
https://doi.org/10.1080/0095897031000100007

25. A. Ramazani,* A. Morsali, A. A, Soudi, A. Souldozi, Z. A. Starikova and A. Yanovsky,

Crystal structure of ethyl Z-2-[2-amino-4-oxo-1,3-thiazol-5(4H)-yliden]-acetate, $C_7H_8O_3S$,
Zeitschrift für Kristallographie-New Crystal Structures **2003**, 218, 33-34. https://doi.org/10.1524/ncrs.2003.218.jg.33

26. R. Mahjoub,* A. Morsali,

Crystal structure of 2,2′-diphenyl-4,4′-bithiazole,$C_{18}H_{12}N_2S_2$,
Zeitschrift für Kristallographie-New Crystal Structures **2003**, 218, 121-122.
https://doi.org/10.1524/ncrs.2003.218.jg.121

27. A. Ramazani,* A. Morsali,

Crystal structure of diaqua-bis[N-(2-pyridyl)carbonylaniline]copper(II) dinitrate, $Cu(C_{12}H_{16}N_2O)_2(NO_3)_2$,

Zeitschrift für Kristallographie-New Crystal Structures **2003**, 218, 249-250.
https://doi.org/10.1524/ncrs.2003.218.jg.249

28. A. Morsali, A. R. Mahjoub,* H. R. Bijanzadeh,

Crystal structure of Nitrato-O,O'-bis(1,10-phenanthroline)nitritolead(II), $Pb(phen)_2(NO_3)_{1.5}(NO_2)_{0.5}$,
Zeitschrift für Kristallographie-New Crystal Structures **2003**, 218, 189-190.
https://doi.org/10.1524/ncrs.2003.218.2.189

29. A. Morsali,* Mahmod Payheghader, Mohammad Reza Poorheravi, and Fahimeh Jamali,

Zn(II), Cd(II) and Hg(II) Complexes with 2, 2′-diamino-4,4′-bithiazole (DABTZ) ligand, Syntheses and X-ray Crystal Structure of $[Hg(DABTZ)(SCN)_2]$,
Zeitschrift für anorganische und allgemeine Chemie **2003**, 629, 1627-1631.
https://doi.org/10.1002/zaac.200300039

30. A. Morsali,* A. Ramazani and A. R. Mahjoub,

Ni(II), Pd(II), Cu(II), and Zn(II) Complexes With N-(2-pyridyl)carbonylaniline (L), Syntheses and X-ray Crystal structures of $[Cu(L)_2(H_2O)_2](ClO_4)_2$, $[Cu(L)_2(H_2O)_2](NO_3)_2$ and $[Zn(L)_2(H_2O)_2](ClO_4)_2$,
Journal of Coordination Chemistry **2003**, 56, 1555-1566.
https://doi.org/10.1080/00958970310001629073

31. A. Morsali, A. R. Mahjoub,* A. Ramazani,

Crystal structure of the [Hg(DmImH)(NCS)2] (DmImH= 2,2′-bis(4,5-dimetylimidazole), C12 H14 Hg N6 S2,
Zeitschrift für Kristallographie-New Crystal Structures **2003**, 218, 467-468.
https://doi.org/10.1524/ncrs.2003.218.jg.467

32. A. Morsali, A. R.Mahjoub,* S. J. Darzi, M. J. Soltanian,

Syntheses and Characterization of 1:2 Adduct Mixed-Anions Lead (II) Complexes, $[Pb(phen)_2(CH_3COO)]X$ ($X=NCS^-$, NO_3^- and ClO_4^-), Crystal Structure of $[Pb(phen)_2(CH_3COO)](ClO_4)$,
Zeitschrift fur Anorganische und Allgemeine Chemie **2003**, 62, 2596-2599.
https://doi.org/10.1002/zaac.200300154

33. A. Morsali,* A. R. Mahjoub, A. Ramazani, A. A. Soudi,

Syntheses and Characterization of Zn(II), Cd(II) and Hg(II) Complexes with N-(2-pyridyl)carbonylaniline (L), X-ray Crystal Structures of $[Hg(L)(SCN)_2]$,
Zeitschrift fur Anorganische und Allgemeine Chemie **2003**, 629, 2058-2061.
https://doi.org/10.1002/zaac.200300159

34. A. Ramazani,* A. Morsali,

Crystal structure of diaqua-bis[N-(2-pyridyl)carbonylaniline]copper(II) diperchlorate, $Cu(C_{12}H_{16}N_2O)_2(ClO_4)_2$,
Zeitschrift für Kristallographie-New Crystal Structures **2003**, 218, 299-300.
https://doi.org/10.1524/ncrs.2003.218.3.299

35. S. A. A. Torabi, F. Jamali, G. A. Koutsantonis, A. Morali, B. W. Skelton and A. White,*

4,4′-Dithiazole as ligands: crystal and molecular structure of bis(O,O′-nitrato)(2,2′-diphenyl-4,4′-dithiazole)copper(II),
Australian Journal of Chemistry **2003**, 56, 949-952.
https://www.publish.csiro.au/CH/CH03016#:~:text=https%3A//doi.org/10.1071/CH03016

36. N. Arablo, S. A. A. Torabi, A. Morsali, B. W. Skelton and A. White,*

The cation structure in bis(2-guanidino-benzimidazole)copper(II) perchlorate monohedrate in comparison with its nikel(II) counterpart,
Australian Journal of Chemistry **2003**, 56, 945-947. https://doi.org/10.1071/CH03017

37. A. Morsali,* A. R. Mahjoub, A. Ramazani,

Zn(II), Cd(II) and Hg(II) Complexes with 2.2′-biquinoline, Syntheses and X-ray Crystal Structures of $[Hg(bq)(SCN)_2]$,

Journal of Coordination Chemistry **2004**, 57, 347-352.
https://doi.org/10.1080/00958970410001677060

38. A. Morsali, A.R Mahjoub,*

Direct Synthesis of the Novel 2-D Mixed-ligands Lead (II) Complex, Crystal Structure of $[Pb(4,4'\text{-bpy})(NO_3)(SCN)]_n$ (a New Polymeric Compound with three bridged ligand and Inactive Lone Pair),
Chemistry. Letter **2004**, 33, 64-65. https://doi.org/10.1246/cl.2004.64

39. A. Morsali,* A. R. Mahjoub and A. Hossienian,

Syntheses and Characterization of lead(II) complexes, $Pb(dmphen)X_2$ ($X=NO_3^-$, ClO_4^- and CH_3COO^-), Crystal Structure of $[Pb(dmphen)(NO_3)_2]_n$ (a New Polymeric Compound),
Journal of Coordination Chemistry **2004**, 57, 685-692.
https://doi.org/10.1080/00958970410001720971

40. Y. Yamini,* M. H. Hosseini, and A. Morsali,

Solid phase extraction and flame atomic absorption spectrometric determination of trace amounts of Zinc and Cobalt ions in water samples,
Microchim. Acta **2004**, 146, 67-72. https://doi.org/10.1007/s00604-003-0171-5

41. A. Morsali,* X-M. Chen,

A new Lead(II) complex of 2,2′-bipyridine,acetate and thiocyanate ligands: Synthesis and Characterization and crystal structure of $[Pb(bpy)(NCS)(CH3COO)]_n$,
Journal of Coordination Chemistry **2004**, 57, 1233-1241.
https://doi.org/10.1080/00958970412331285896

42. A. Morsali,* L-G. Zhu,

A novel one-dimensional helical chain polymerinvolving both tetra- and hexacoordinate mercury(II) ions,
Inorganic Chemistry Communications **2004**, 7, 1184-1187.
https://doi.org/10.1016/j.inoche.2004.09.003

43. A. Morsali,* A. R. Mahjoub,

Coordination polymers of Lead(II) with 4,4′-bipyridine:Syntheses and Structures,
Polyhedron **2004**, 23, 2427-2436. https://doi.org/10.1016/j.poly.2004.08.014

44. A. Ramazani,* F. Marandi, E. Ahmadi and A. Morsali,

Crystal structure of dimethyl (Z)-2((1,3-dioxo-1,3-dihydro-2H-isoindol-2-Yl)-2-butenedioate, C14H11NO6,
Zeitschrift für Kristallographie **2004**, 219, 179-180. https://doi.org/10.1524/ncrs.2004.219.2.179

45. A. Morsali,

Syntheses and Characterization of two new Lead(II) acetate complexes, Pb(L)(CH3COO)2, L = 2,2′:6′,2″-terpyridine (tpy) and 2,4,6-tris(2-pyr-idyl)-1,3,5-triazine(trz), crystal structure of Pb(tpy)(CH3COO)2,
Zeitschrift für Naturforschung **2004**, 59b, 1039-1044. https://doi.org/10.1515/znb-2004-0915

46. A. Morsali,* X-M.Chen,

Heteropolynuclear Sodium(I) Lead(II) complex: Crystal and molecular structure of a novel 3-D polymer, [(en)Pb(μ3-ONO)2Na(μ3-ONO)2Na-(μ-O2ClO2)Na]n,
Helvetica Chimica Acta, 87 (**2004**) 3050-3055. https://doi.org/10.1002/hlca.200490274

47. A. Ramazani,* A. Morsali, A. H.Abolfath,

Crystal structure of (2,2′- biquinolyl- N,N′)bis(thiocyanato)mercury(II) benzene hemisolvate, [Hg(C18H12N2)(SCN)2].0.5C6H6,
Zeitschrift für Kristallographie **2004**, 219, 245-246.
https://doi.org/10.1524/ncrs.2004.219.14.265

48. A. Ramazani,* A. Souldozi, A. Morsali, A. R.Jalilian,

Crystal structure of 4-methyl-2-phenyl-5-[4-phenyl-5-(propylsulfanyl)-4H-1,2,4-triazol-3-thiazol, C21H20N4S2,
Zeitschrift für Kristallographie **2004**, 219, 247-248. https://doi.org/10.1524/ncrs.2004.219.14.267

49. R. Mahjoob, A. Morsali,* R. Ebrahim Nejad,

Syntheses and Characterization of New Mixed-Ligand Mercury(II) Complexes, $Hg(bpy)_n(SCN)X$ ($X= CH_3COO^-$, NO_3^- and ClO_4^-), Crystal Structure of $[Hg(bpy)_2(SCN)]NO_3$,
Zeitschrift für Naturforschung **2004**, 59b, 1109-1113. https://doi.org/10.1515/znb-2004-1005

50. A.Morsali,* A. R. Mahjoub,

Holo and Hemidirected in A New Novel three-dimensional Polymeric Potassium(I)Lead(II) Hetropolynuclear Complex, Crystal and Molecular Structure of $[KPb(CH_3COO)_2(SCN)]_n$,
Helvetica Chimica Acta **2004**, 87, 2717-2722. https://doi.org/10.1002/hlca.200490242

51. A. Morsali,* A. R. Mahjoub,

The First Hemidirected Nine Coordinate Lead(II) Complex, Crystal and molecular Structure of $[Pb(BzImH)_2py\ (H_2O)_2(NO_3)_2].(BzImH)_2py.H_2O$, $(BzImH)_2py$= 2,6-Bis(2-benzimidazolyl)pyridine,
Inorganic Chemistry Communications **2004**, 7, 915-918.
https://doi.org/10.1016/j.inoche.2004.05.016

52. A.Morsali,* J. Abedini,

Syntheses and characterization of some new mixed-ligand lead(II) complexes, $Pb(en)(CH_3COO)X$ ($X = NCS^-$, ClO_4^-or NO_3^-); Crystal Structure of $[Pb(en)(CH_3COO)(NO_3)]_n$ (en = ethane-1,2-diamine),
Journal of Coordination Chemistry **2004**, 57, 1629-1626.
https://doi.org/10.1080/00958970412331312642

53. A. Morsali,

2,9-Dimetyl-1,10-phenanthroline as Ligand in the Holo- and Hemidirected 1:1 and 1:2 Lead(II) Complexes
Zeitschrift für Naturforschung **2005**, 60b, 149-154. https://doi.org/10.1515/znb-2005-0204

54. A. Soudi,* F. MarandiA. Ramazani, E. Ahmadi, A. Morsali,

Lead (II) misleadingor merely hermaphroditic?,
Comptes Rendus Chimie **2005**, 8,157-168. https://doi.org/10.1016/j.crci.2004.09.004

55. A. Morsali,

Crystal structure of the [DMphen] $^{+}ClO_4^{-}$ (DMphen = 2,9-dimethyl-1,10-phenanthroline),
Analytical Sciences **2005**, 21, x21-x22. https://doi.org/10.2116/analscix.21.x21

56. A. Ramazani,* A. Morsali, L. Dolatyari, B. Ganjeie,

2, 2′-Bipyridine Mercury(II) Complexes, [Hg(bpy)(NO_2)X] (X = NO_2^-, SCN^-, CH_3COO^-); π- π Stacking in the Crystal Structure of [Hg(bpy)(NO_2)$_2$],
Zeitschrift für Naturforschung **2005**, 60b, 289-293. https://doi.org/10.1515/znb-2005-0309

57. A. Morsali,* A. R. Mahjoub, M. J. Soltanian, P. E. Pour,

Syntheses and Characterization of Mixed-Ligands Lead(II) Complexes, [Pb(bpy)(CH_3COO)X] (X= I^-, NO_3^-, and ClO_4^-), Crystal Structure of [Pb(bpy)(NO_3)(CH_3COO)]$_n$ (A New 1-D Polymeric Compound),
Zeitschrift für Naturforschung **2005**, 60b, 300-304. https://doi.org/10.1515/znb-2005-0311

58. A. Morsali,

Syntheses and Characterization of Two New Mixed-Ligand Bismuth(III) Complexes, Crystal Structure of [Bi(phen)$_2$(NO_3)(NCS)$_2$(MeOH)]
Zeitschrift für Naturforschung **2005**, 60b, 389-392. https://doi.org/10.1515/znb-2005-0405

59. M. Payheghader, A. Morsali,* I. Hertle, R. Kempe,

[Pb_2(AMP)$_2$(μ-X)$_2$X$_2$], X = Br^- and I^-, AMP = 2-aminomethylpyridine, Two New Dimeric Lead(II) Complexes Extended in One-dimensional Helical Chain Polymers by Noncovalent π–π-stacking,
Zeitschrift fur Anorganische und Allgemeine Chemie **2005**, 631, 943-946.
https://doi.org/10.1002/zaac.200400471

60. A. Morsali,* J. Abedini,

Two-dimensional coordination polymer involving eight-membered binuclear metallacycle nodes, [{Zn(μ$_2$-OAc)$_2$Zn}(μ-bpe)$_3$]$_n$(ClO_4)$_{2n}$,

Inorganic Chemistry Communications **2005**, 8, 460-462.
https://doi.org/10.1016/j.inoche.2005.02.006

61. R. Mahjoub, A. Morsali,* S. Nouryan Aval,

Crystal structure of pyrydil-2-methylammonium nitrate, $(C_6H_9N_2)NO3$,
Zeitschrift für Kristallographie **2005**, 220, 45-46. https://doi.org/10.1524/ncrs.2005.220.14.45

62. R. Mahjoub, A. Morsali,* Z. Talaei, A. Hosseinian,

Crystal structure of [Zn(phen)2Cl](ClO4).H2O, phen=1,10-phenanthroline, 'C24 H16 Cl N4 Zn +1, Cl O4 -1, H2 O
Zeitschrift für Kristallographie **2005**, 220, 47-48. https://doi.org/10.1524/ncrs.2005.220.14.47

63. S. Taheri, A. Morsali,*

Synthesis, Characterization and crystal structure of new mixed anions of Bismuth(III) complexes,
Asian Journal of Chemistry **2005**, 17, 717-724.

64. A. Ramazani, A. Morsali,* B. Ganjeie, A. R. Kazemizadeh, E. Ahmadi, R. Kempe, I. Hertle,

Stereoselective Syntheses of Alkyl *Z*-2-(2-amino-4-oxo-1,3-selenazol-5(4*H*)-ylidene)acetates in Solvent-Free Conditions, X-Ray Single Crystal Structure Analysis of Ethyl *Z*-2-(2-amino-4-oxo-1,3-selenazol-5(4*H*)-ylidene)acetate,
Zeitschrift für Naturforschung **2005**, 60b, 569-571. https://doi.org/10.1515/znb-2005-0516

65. A. Morsali,* A. Ramazani,

Syntheses and characterization of Zn (II), Cd (II) and Hg (II) complexes with 5-methyl-1-(2′-pyridyl) pyrazole-3-carboxamide (MP y P z CA) ligand,
Journal of Coordination Chemistry **2005**, 58, 751-758.
https://doi.org/10.1080/00958970500070384

66. A. Morsali,

Syntheses and characterization of Pb $(trz)_n$ X_2 (X= CH_3COO^-, NCS^-, and n= 1, 2) complexes, and crystal structure of [Pb $(trz)_2$ (MeOH)](ClO_4) 2· H_2O,

Journal of Coordination Chemistry **2005**, 58, 767-774.
https://doi.org/10.1080/00958970500078528

67. A. Morsali,* V. T. Yilmaz, C. Kazak,

$[Hg_2(\mu\text{-bpe})(\mu\text{-OAc})_2(\mu\text{-SCN})_2]_n$, A Novel Two-dimensional Coordination Polymer Involving of Simultaneously Bridging Three Ligands: 1,2-bis(4-pyridyle)ethene, acetate and thiocyanate, *Zeitschrift fur Anorganische und Allgemeine Chemie* **2005**, 631, 1577-1579.
https://doi.org/10.1002/zaac.200400550

68. A. Morsali,* R. Kempe,

A Novel One-Dimensional Coordination Polymer Involving Weak Hg–Hg Interactions, *Helvetica Chimica Acta* **2005**, 88, 2267-2271. https://doi.org/10.1002/hlca.200590160

69. A. Morsali,* A. Ramazani,

One-dimensional Holodirected Lead(II) Coordination Polymer, $[Pb(\mu_2\text{-TPPZ})(NO_3)(ClO_4)]_n$ (TPPZ = 2, 3, 5, 6 - tetra(2-pyridyl)pyrazine),
Zeitschrift fur Anorganische und Allgemeine Chemie **2005**, 631, 1759-1760.
https://doi.org/10.1002/zaac.200500081

70. F. Marandi, A. A. Soudi, A. Morsali,* R. Kempe,

Noncovalent π–π Stacking-Interlinked Molecular Squares with Hepta-Coordinated Cadmium(II) Corners, $[Cd(DMAP)_3(NO_2)_2]. 0.5H_2O$,
Zeitschrift fur Anorganische und Allgemeine Chemie **2005**, 631, 1932-1934.
https://doi.org/10.1002/zaac.200500160

71. J. Abedini, A. Morsali,* R. Kempe,

Syntheses and characterization of mixed-anion cadmium(II) complexes, structural characterization of $[Cd(phen)_2(NO_2)_{1.65}(NO_3)_{0.35}]$, as a new eight-coordinate Cd(II) complex,
Journal of Coordination Chemistry **2005**, 58, 1161-1167.
https://doi.org/10.1080/00958970500156969

72. F. Marandi, A. A. Soudi, A. Morsali,* R. Kempe,

New mixed-anion 2-aminomethylpyridine (AMP) lead (II) complexes, Pb (AMP) n (ClO4) X,(X= CH3COO− and n= 1 or X= and n= 2); crystal and molecular structure of [Pb (AMP) 2](ClO4)(NO3),

Journal of Coordination Chemistry **2005**, 58, 1233-1239.
https://doi.org/10.1080/00958970500130576

73. A. A. Soudi, F. Marandi, A. Morsali,* L. G. Zhu,

$[Pb_2(2,2'\text{-bipy})_2(\mu\text{-}4,4'\text{-bipy})(NO_3)_4]$, A Novel Hemidirected Dimeric Mixed-Ligands Lead(II) Complex Extended in Holodirected Two-dimensional Polymer by Weak Pb-$O_{nitrate}$ Interactions,

Inorganic Chemistry Communications **2005**, 8, 773-776.
https://doi.org/10.1016/j.inoche.2005.05.016

74. K. Alizadeh, A.Morsali,* H.Sharghi, , M. shamsipur,

Crystal Structure of 1,18-Diaza-3,4;15,16;19,20-tribenzo-5,8,11,14-tetraoxalycloeicosane-2,17-dione,

Analytical Sciences **2005**, 21, x91-91. https://doi.org/10.2116/analscix.21.x91

75. M. K. Rofouei, G. A. Lawless, A. Morsali,* P. B. Hitchcock,

Crystal Structure of $[SiH_2Mes_2]$ (Mes = 2,4,6-trimethylphenyl),

Analytical Sciences **2005**, 21, x103-104. https://doi.org/10.2116/analscix.21.x103

76. M. R. Fadaei, A. Morsali,* A. R. Mahjoub,

Synthesis and Structural Characterization of a New Two-Dimensional Polymeric Thallium(I) Complex, $[Tl_2(\text{phthalate})]_n$,

Zeitschrift für Naturforschung **2005**, 60b, 741-744. https://doi.org/10.1515/znb-2005-0707

77. Z. Talaei, A. Morsali,* A. R. Mahjoub,

[$Zn(phen)_2(CX_3COO)]^+$ X=H or Cl; Influence of X on the Coordination Mode of the Carboxylate group (phen = 1,10–phenanthroline),
Zeitschrift für Naturforschung **2005**, 60b, 1049-1053. https://doi.org/10.1515/znb-2005-1005

78. H. P. Xiao, A. Morsali,*

A Novel Three-Dimensional Coordination Polymer Involving Pb_Pb Interactions and Three Different Hemidirected Lead(II) Coordination Spheres: X-Ray Crystal Structure of Tris(1,10-phenanthroline-_N1,_N10)- bis[{_3-[5-(sulfo- _O)benzene-1,3-dicarboxylate(3)-KO1, KO1: KO2, KO2 : KO2]}trilead (Pb-Pb) Trihydrate ([Pb3(phen)3(H2O)2(sip)2]n. 3 H2O),
Helvetica Chimica Acta **2005**, 88, 2543-2549. https://doi.org/10.1002/hlca.200590192

79. A. Morsali,

Two new lead(II) nitrite complexes, crystal structure of [Pb(phen)2(NO2)2] an eight-coordinate lead(II) complex,
Journal of Coordination Chemistry **2005**, 58, 1531-1539.
https://doi.org/10.1080/00958970500229915

80. A. A. Soudi, F. Marandi, A. Morsali,* R. Kempe, I. Hertle,

Synthesis and structural charaterization of a Cu(II) complex with 3-(2-pyridyl)-5,6-diphenyl-1,2,4-triazine (PDPT),
Journal of Coordination Chemistry **2005**, 58, 1631-1537.
https://doi.org/10.1080/00958970500262130

81. J. Abedini, A. Morsali,* R. Kempe, I. Hertle,

Lead(II) complexes of 2,20-diamino-4,40-bithiazole (DABTZ) including crystal structure of a novel 1D chain polymer, $[PB(DABTZ)(l\text{-}SCN)(l\text{-}NO3)]_n$,
Journal of Coordination Chemistry **2005** *58*, 1719-1726.
https://doi.org/10.1080/00958970500262205

82. H. P. Xiao, J. G. Wang, X. H. Li, A. Morsali,*

Hydrothermal Synthesis, Structure, and Magnetic Properties of a Three-dimensional Polymeric NiII Complex, [Ni(bpp)(NIP)(H2O)]n (bpp = 1,3-di(4-pyridyl)propane, NIP _ 5-nitroisophthalate),
Zeitschrift fur Anorganische und Allgemeine Chemie **2005**, 631, 2976-2978.
https://doi.org/10.1002/zaac.200500199

83. A. Morsali,* V. T. Yilmaz,* C. Kazak, L. G Zhu,

Two-Dimensional Holo- and Hemidirected Lead(II) Coordination Polymers: Synthetic, Spectroscopic, Thermal, and Structural Studies of [Pb(μ-SCN)2(μ -ebp)1.5]n and {[Pb(μ-OAc)(μ-ebp)](ClO4)}n (ebp=4,4'-[(1E)-Ethane-1,2-diyl]bis[pyridine]; OAc=Acetato),
Helvetica Chimica Acta **2005**, 88, 2513-2522. https://doi.org/10.1002/hlca.200590187

84. J. Abedinia, A. Morsali,*

Syntheses and Characterization of Two New 4,4'-Bithiazole d10 Complexes, Structural Characterization of M(DABTZ)2(CH3COO)](ClO4) · 2H2O (M = Zn, Cd),
Zeitschrift für Naturforschung **2005**, 60b, 951-954. https://doi.org/10.1515/znb-2005-0907

85. F. Marandi, A. A. Soudi, A. Morsali,* R. Kempe,

Zinc(II) and Cadmium(II) Complexes of the 3-(2-Pyridyl)-5,6-diphenyl-1,2,4-triazine (PDPT) Ligand, Structural Studies of [Zn(PDPT)2Cl(ClO4)] and [Cd(PDPT)2(NO3)(ClO4)],
Zeitschrift fur Anorganische und Allgemeine Chemie **2005**, 631, 3070-3073.
https://doi.org/10.1002/zaac.200500268

86. A. Morsali,* A. R. Mahjoub,

Structural influence of counter-ions in lead(II) complexes: [Pb(phen)n(NO2)X], X = CH3COO−, NCS− and ClO4−, phen = 1,10-phenanthroline,
Solid State Sciences **2005**, 7, 1429-1437. https://doi.org/10.1016/j.solidstatesciences.2005.08.013

87. S. Taheri, A. Morsali,*

Unusual bridging mode for perchcolrate in a 2D polymeric lead(II) complex, {[Pb(BPY)(μ-OAc)]$_2$(μ-O_2ClO_2)(μ-$OClO_2O$)}$_n$,

Journal of Coordination Chemistry **2006**, 59, 363-369.
https://doi.org/10.1080/00958970500236514

88. A. Morsali,

The 4,4′-bipyridine Bi^{3+} coordination polymer involving simultaneous of two different 1D chains in one system, $[4,4'\text{-bipyH}]_n^{n+}[Bi(4,4'\text{-bipy})Br_4]_n^{n-}$, thermal and structural studies,
Solid State Sciences **2006,** 8, 82-85. https://doi.org/10.1016/j.solidstatesciences.2005.10.004

89. A. Askarinejad, A. Morsali,*

Tl^I three-dimensional coordination polymer involving tetranuclear cubic cage nodes, $[Tl_4(\mu_8\text{-SB})_2]_n$ {H2SB = 4-[(4-hydroxyphenyl) sulfonyl]-1-benzenol},
Inorganic Chemistry Communications **2006**, 9, 143-146.
https://doi.org/10.1016/j.inoche.2005.10.022

90. J.X. Yuan, M.L. Hu, A. Morsali,*

The first Pb–O=C bond, a novel 2D coordination polymer, [Pb(5-FUOAc)2]n, 5-FUOAc = 5-fluorouracil-1-acetate,
Inorganic Chemistry Communications **2006**, 9, 277-280.
https://doi.org/10.1016/j.inoche.2005.11.020

91. A. Morsali,* L.G. Zhu,

The 4,4′-bipyridine Mercury(II) Coordination Polymers, Syntheses and Structures,
Helvetica Chimica Acta **2006**, 89, 81-93. https://doi.org/10.1002/hlca.200690015

92. A. Askarinejad, A. Morsali,*

A One-Dimensional Tl^I Coordination Polymer Involving Polyhapto-Aromatic Interactions,
Helvetica Chimica Acta **2006**, 89, 265-269. https://doi.org/10.1002/hlca.200690029

93. M. G. Amiri, Z. R. Ranjbar, A. Morsali,* H.-P. Xiao,

Structure of the Cocrystal of 2,2′-diamino-4,4′- bis(1,3-thiazole) and 4,4′-bipyridine,
Zeitschrift für Naturforschung **2006**, 61b, 221-223. https://doi.org/10.1515/znb-2006-0218

94. A. Ramazani, L. Dolatyari, A. Morsali,* V.T. Yilmaz and O. Büyükgüngör,

Crystal Structure of N,N-Disalicylidene-(R,S)(S,R)-1,2-ethanediamine,
Journal of the Iranian Chemical Society **2006***,* 3, 367-370. https://doi.org/10.1007/BF03245960

95. A. Askarinejad, A. Morsali,* L.-G. Zhu,

Secondary interactions in thallium(I) coordination, $[Tl_2(DBM)_2]_n$, DBM^- = 1,3-diphenylpropane-1,3-dionate (dibenzoylmethanide)**,**
Solid State Sciences **2006**, 8, 537-570. https://doi.org/10.1016/j.solidstatesciences.2005.12.006

96. A. Hosseinian, A. R. Mahjoub,* A. Morsali

Crystal Structure of 2, 2'-diamino-5,5'-dimethyl-4,4'-bithiazolium dibromide monohydrate, [(C6H6N2S)2]Br2….H2O,
Zeitschrift für Kristallographie **2006,** 220, 459-460.
https://doi.org/10.1524/ncrs.2005.220.14.459

97. Z. Talaei, A. Morsali,* A. R. Mahjoub

New mixed-anion zinc (II) complexes, $[Zn\ (phen)_2(CCl_3COO)(H_2O)](NO_3)$ and $[Zn(bpy)_2(CH_3COO)](ClO_4).H_2O$; synthesis, characterization and crystal structures**,**
Journal of Coordination Chemistry **2006**, 59, 643-650.
https://doi.org/10.1080/00958970500395898

98. A. Askarinejad, A. A. Torabi, A. Morsali,*

Thallium (I) Salicylate and Phthalate: Syntheses and Structural Characterization,
Zeitschrift für Naturforschung **2006**, 61b, 565-569. https://doi.org/10.1515/znb-2006-0510

99. M. Ghoreishi Amiri, Z. Rashidi Ranjbar, A. Morsali,* V. T. Yilmaz, O. Büyükgüngör,

Syntheses and Characterization of Zn^{II} and Cd^{II} Coordination Polymers, $[Zn(\mu\text{-bpe})(NO_2)_2]_n$ and $[Cd_2(\mu\text{-bpp})_3(NO_2)_4]_n$
Solid State Sciences **2006**, 8, 1115-1120.
https://doi.org/10.1016/j.solidstatesciences.2006.03.007

100. M. Ghoreishi Amiri and A. Morsali,*

Thermal and Structural Studies of A 1D Zn^{II} Coordination polymer, $[Zn(\mu\text{-}4,4'\text{-bipy})(H_2O)_4]_n(CCl_3COO)_{2n}.(4,4'\text{-bipy})_{2n}$ (4,4′-bipy = 4,4′- bipyridine), New Shorted Cl···Cl Interactions,

Zeitschrift fur Anorganische und Allgemeine Chemie **2006**, 632, 1419-1421.

https://doi.org/10.1002/zaac.200500412

101. A. Morsali,* Z. R. Ranjbar, M. G. Amiri, A. Askarinejad, H.P. XIAO,

Syntheses and structural characterization of new cadmium(II) complex of imidazole (HIm) ligand, [Cd(Im)6](ClO4)2,

Journal of Coordination Chemistry **2006**, 59, 961-967.

https://doi.org/10.1080/00958970500440462

102. A. Askarinejad, A. Morsali,*

Synthesis and structural characterization of a new two-dimensional polymeric thallium(I) complex, $\{Tl[(H)phthalate)]\}_n$,

Journal of Coordination Chemistry **2006**, 59, 997-1005.

https://doi.org/10.1080/00958970500448226

103. A. A. Soudi, F. Marandi, A. Morsali,* G. P. A. Yap,

1D & 2D supramolecular assemblies dominated by crystal structure of Pb(II) oxoanion (NO3- and ClO4-) complexes with 3-(2-pyridyl)-5,6-diphenyl-1,2,4-triazine (PDPT),

Journal of Coordination Chemistry **2006**, 59, 1139-1148.

https://doi.org/10.1080/00958970500453333

104. A. Morsali,

Mercury(II) and Lead(II) complexes with 2,2'-bis(4,5-dimethyleimidazole) Syntheses, Characterization and Crystal Structures of $[M(DmImH)(SCN)_2]$, ($M = Hg^{2+}$ and Pb^{2+}),

Journal of Coordination Chemistry **2006**, 59,1015-1024.

https://doi.org/10.1080/00958970500450065

105. A. Askarinejad, A. Morsali, *

Potassium(I)Thallium(I) Heterometallic 3D Polymeric Mixed-anions Compound, succinate–nitrate, [K2Tl(μ-C4H4O4)(μ-NO3)]n,
Inorganica Chimica Acta **2006***,* 359, 3379-3383. https://doi.org/10.1016/j.ica.2006.03.006

106. A. Askarinejad, A. Morsali,*

Tl^{I} 2D Coordination polymer involving close $Tl^{I}\cdots\pi$ (Aromatic) contacts, $[Tl_3(\mu\text{-BPC})_2(\mu\text{-}NO_3)]_n$,
The Journal of Organic Chemistry **2006***,* 691, 3563-3566.
https://doi.org/10.1016/j.jorganchem.2006.05.005

107. M.-L. Hu,* Ji-Xin Yuan, A. Morsali,

La^{III} complexes of uracil-1-acetic acid, $[La(phen)X_3]_n$, *X*=Uracil-1-Acetate (UA) and 5-Fluorouracil-1-Acetate (5-FUA), two 2D coordination polymer, structural and thermal studies**,**
Solid State Sciences **2006**, 8, 981-987. https://doi.org/10.1016/j.solidstatesciences.2006.02.050

108. H. Ahankar, S. Taheri, A. Morsali,* A. Ramazani, L.-G. Zho,

Zn^{II} and Hg^{II} complexes of 2, 2′-diamino-4,4′-bis(1,3-thiazole) (DABTZ), spectroscopic, thermal and structural studies
Journal of Coordination Chemistry **2006**, 59, 2039-2045.
https://doi.org/10.1080/00958970600737973

109. M.-L. Hu,* J.-X. Yuan, A. Morsali,

The first terbium(III) complex of 5-fluorouracil-1-acetic acid, a new 2D coordination polymer, [Tb(phen)(5-FUA)3]n .H2O, phen=1,10-phenanthroline and 5-FUA=5-fluorouracil-1-acetate,
Journal of Coordination Chemistry **2006**, 59, 2093-2101.
https://doi.org/10.1080/00958970600743120

110. A. Morsali,* A. R. Mahjoub,

Synthesis and crystal structure of a mixed-ligand bismuth (III) complex, [Bi2 (phen)2Br5(NO3)]n (phen = 1,10-phenanthroline),
Journal of Coordination Chemistry **2006**, 59, 1427-1431.
https://doi.org/10.1080/00958970600764381

111. Z. Rashidi Ranjbar, A. Morsali,* M. L. Hu,

Crystal Structure of 2-guanidinobenzimidazoliume perchlorate, [GBH](ClO_4),
Anal. Sci. **2006**, 22, x199-x200. https://doi.org/10.2116/analscix.22.x199

112. M. Ghoreishi Amiri, A. Morsali, *

Syntheses and Characterization, [Zn_2 (4,4′-bipy)$_n$($AcO)_4$], One-dimensional Chain (n = 1) and One-dimensional Double-Chain (n = 2) Coordination Polymers, ,
Z. Anorg Allg Chem **2006**, 632, 2491-2494. https://doi.org/10.1002/zaac.200600203

113. A.A. Soudi, A. Morsali,* S. Moazzenchi,

A first 1, 2,4-triazole Pb^{II} Complex: thermal, spectroscopic and structural studies, $Pb_2(trz)_2(CH_3COO)(NO_2)]_{n;}$
Inorganic Chemical Communications **2006**, 9, 1259–1262.
https://doi.org/10.1016/j.inoche.2006.08.003

114. F. Marandi and A. Morsali,*

Synthesis and Structural Studies of [Mn(μ-bpp)2Cl2]n: a 3D Coordination Polymer of Mn(II) with 1,3-Bis(4-pyridyl)propane,
Journal of the Iranian Chemical Society **2007***,* 4, 264-270. https://doi.org/10.1007/BF03245975

115. Z. Rashidi Ranjbar, A. Morsali**,** *

Thermal, Spectroscopic and Structural Studies of Dimeric and Polymeric Mixed-Ligands Cadmium(II) Complexes, [Cd(phen)$_2$ (bpe)(H_2O)](ClO_4)$_2$·H_2O and [Cd(bpp)$_2$(H_2O)$_2$](ClO_4)$_2$·bpe·H_2O
Inorganica Chimica Acta **2007***,* 360, 2056-2062. https://doi.org/10.1016/j.ica.2006.10.036

116. K. Akhbari, A. Morsali,* A. D. Hunter, M. Zeller,

[Tl_2(μ-Htdp)$_2$(μ-H_2O)]$_n$ (H_2tdp = 4,4′-thiodiphenol): A One-Dimensional Thallium(I) Coordination Polymer with a large Tetranuclear Metallacycle; Thermal, Emission and Structural Studies,

Inorganic Chemistry Communications **2007**, 10, 178–182.
https://doi.org/10.1016/j.inoche.2006.10.014

117. N. Atoub, Gh. Mahmoudi, A. Morsali,*

A new 2D Hg^{II} coordination polymer containing novel coordination mode of 2,5-bis(4-pyridyl)-1,3,4-oxadiazole (bpo) ligand, $[Hg(\mu\text{-bpo})_2(N_3)_2]_n$: Spectroscopic, thermal, fluorescence and structural studies,
Inorganic Chemistry Communications **2007**, 10, 166–169.
https://doi.org/10.1016/j.inoche.2006.10.001

118. M. Payehghadr, M. K. Rofouei, A.Morsali, M. Shamsipur,*

Structural and solution studies of a novel tetranuclear silver(I) cluster of [1,3-di(2-methoxy)benzene]triazene,
Inorganica Chimica Acta **2007**, 360, 1792-1798. https://doi.org/10.1016/j.ica.2006.09.015

119. H. P. Xiao, A. Morsali,*

A New Three-Dimensional Polymeric Pb^{II} Complex Involving Holo- and Hemidirected Coordination Spheres,
Solid State Sciences **2007**, 9,155-158. https://doi.org/10.1016/j.solidstatesciences.2006.09.005

120. A. Askarinejad, M. R. Fadaei, A. Morsali,* A. Mahjoub,

Syntheses and structural characterization of New Tl1 and K1complexes of 3,5-dinitrobenzoic acid (HDNB), [Tl(l-DNB)]n and [K(l-DNB)(l-HDNB)]n
Journal of Coordination Chemistry **2007**, 60, 753-761.
https://doi.org/10.1080/00958970600914937

121. N. Noshiranzadeh, A.Ramazani, A. Morsali,* A. D. Hunter, M. Zeller;

4′-(4-Pyridyl)-2,2′:6′′,2′′-terpyridine as ligand in the lead(II) complexes, [Pb(pyterpy)(MeOH)I2] . MeOH and [Pb(pyterpy) (l-AcO)]2(ClO4)2;
Inorganica Chimica Acta **2007**, 360, 3603–3609. https://doi.org/10.1016/j.ica.2007.04.045

122. F. Marandi,* A. Morsali, A.A. Soudi;

A new three-dimensional polymeric PbII complex involving holo- and hemidirected coordination spheres Labile Interactions in Aza-aromatic Bace Adducts of Lead(II) Thenoyltrifluoroacetate; *Zeitschrift fur Anorganische und Allgemeine Chemie* **2007**, 633, 661-665. https://doi.org/10.1002/zaac.200600384

123. Gh. Mahmoudi, A. Morsali,* L. G. Zhu;

A New Two-Dimensional Coordination Polymer of Mercury(II) with very High Thermal Stability; *Zeitschrift fur Anorganische und Allgemeine Chemie* **2007**, 633, 539-541. https://doi.org/10.1002/zaac.200600383

124. Z. Rashdi Ranjbar, A. Morsali,* L. G. ZHU;

Two different 2,20-bipyridine cadmium(II) perchlorate complexes, [Cd(2,20-bipy)2(H2O)(ClO4)]ClO4 and [Cd(2,20-bipy)3](ClO4)2 . 0.5 2,20-bipy, syntheses, characterization, thermal and structural studies
Journal of Coordination Chemistry **2007**, 60, 667-676. https://doi.org/10.1080/00958970600899492

125. H. P. Xiao, X. H. Li, A. Morsali,* J.G. Wang, W. B. Zhang,

Copper(II) and Manganese(II) Coordination Polymers of 5-Aminobenzene-1,3-dicarboxylic Acid (abdc) Ligand, Structural Studies of [Cu(μ4-abdc) (DMF)]n and {[Mn(μ4-abdc)(H2O)]·H2O}n; *Zeitschrift fur Anorganische und Allgemeine Chemie* **2007**, *633*, 1107-1111. https://doi.org/10.1002/zaac.200700067

126. M. Soleimani,* A Morsali, A. Khani,

DABTZ as a New Reagent for Solid Phase Extraction and Spectrophotometric Determination of Trace Amount of Hg(II) in Water Sample
Annali di Chimica **2007**, 97, 9-16. https://doi.org/10.1002/adic.200690089

127. Y. Q. Cheng , H. P. Xiao , X. H. Li , J.G. Wang, A.Morsali,*

{[Mn2(μ3-Tda)2(μ-H2O)(H2O)2(bipy)]·DMF}n a 2D Manganese(II) Coordination Polymer involving Six-membered Binuclear Metallacycle Nodes;
Zeitschrift fur Anorganische und Allgemeine Chemie **2007**, 633, 1140-1142.
https://doi.org/10.1002/zaac.200700117

128. N. Noshiranzadeh, A. Ramazani, A. Morsali,* A.D. Hunter, M. Zeller,

Novel coordination mode of chloride ion in holo- and hemidirected one-dimensional PbII coordination polymer,
Inorganic Chemical Communications **2007**, 10, 738-742.
https://doi.org/10.1016/j.inoche.2007.03.001

129. Gh. Mahmoudi, A. Morsali,* A. D. Hunter, M. Zeller,

[Hg(l-4,40-bipy)(l-AcO)(AcO)]n Æ n/2H2O, one-dimensional double-chain coordination polymer, syntheses, characterization, thermal, fluorescence, porous and structural studies;
Inorganica Chimica Acta **2007**, 360, 3196–3202. https://doi.org/10.1016/j.ica.2007.03.028

130. L. Youseftabar-miri, A. Ramazani, E. Ahmadi, Ali Morsali,
Crystal Structure of Dimethyl 2-[(1,3-Dioxo-1,3-dihydro-2*H*-isoindol-2-yl)oxy]- 2-butenedioate;
Analytical Sciences: X-ray Structure Analysis Online **2007**, 23, x97-x98.
https://doi.org/10.2116/analscix.23.x97

131. M. Ghoreishi Amiri, Gh. Mahmoudi, A. Morsali,* A. D. Hunterb, M. Zellerb,

Zinc(II) nitrite coordination polymers based on rigid and lexible organic nitrogen donor ligands; ;
Crystal engineering communication **2007**, 9, 686–697. https://doi.org/10.1039/B701711A

132. Gh. Mahmoudi, A. Morsali,* A. D. Hunterb, M. Zeller,

Mercury(II) coordination polymers generated from 1,4-bis(2 or 3 or 4-pyridyl)-2,3-diaza-1,3-butadiene ligands;
Crystal Engineering Communication **2007**, 9, 704–714. https://doi.org/10.1039/B702569F

133. Gh. Mahmoudi, A.Morsali,* L. G. Zhu,

Mercury thiocyanate coordination polymers generated from rigid or flexible organic nitrogen donor-based ligands;
Polyhedron **2007,** 26, 2885–2893. https://doi.org/10.1016/j.poly.2007.01.047

134. K. Akhbari, A. Morsali,* M. Zeller,

Unique Ag–C bonds, thermal, fluorescence, structural and solution studies of two-dimensional silver(I) coordination polymer;
Journal of Organometallic Chemistry **2007**, 692, 3788–3795.
https://doi.org/10.1016/j.jorganchem.2007.05.018

135. A. Askarinejad, A. Morsali,*

Thermal and structural studies of two new TlI three-dimensional coordination polymers, [Tl2(l-CSB)]n and [Tl2(l-ADC)]n, CSB =4-[(4-carboxyphenyl)sulfonyl]-1-benzenecarboxylate and ADC=acetylendicarboxylate;
Journal of Coordination Chemistry **2007**, 60, 1903-1912.
https://doi.org/10.1080/00958970701209872

136. Gh. Mahmoudi, A. Morsali,*

Counter-ions Influence on Coordination Mode of 2,5-Bis(4-pyridyl)-1,3,4-oxadiazole (bpo) Ligand in Mercury(II) Coordination Polymers, $[Hg(bpo)_nX_2]$: X = I^-, Br^-, SCN^-, N_3^- and NO_2^-; Spectroscopic, Thermal, Fluorescence and Structural Studies
Cryst Eng Comm **2007**, 9, 1062-1072. https://doi.org/10.1039/B707228G

137. K. Akhbari, A. Morsali,*

Highly Polyhapto-Aromatic Interactions in Thallium(I) Coordination;
Journal of Organometallic Chemistry **2007**, 692, 5109-5112.
https://doi.org/10.1016/j.jorganchem.2007.08.019

138. K. Akhbari, A. Morsali,*

A Novel Tetranuclear cubic cage, $[Tl_4(\mu_3\text{-dcp})_4]$ {Hdcp = 2,4-dichlorophenol, New Shorted Cl···Cl Interactions, Thermal, Fluorescence, Structural and Solution Studies,

Inorganic Chemistry Communications **2007**,10, 1189-1193.
https://doi.org/10.1016/j.inoche.2007.06.017

139. K. Akhbari, A.Morsali,*

One-dimensional Corrugated Tape Ag^{I} Coordination Polymers Constructed of Unexpected Ag-C Bonds,
Crystal Growth & Design **2007**, 7, 2024-2030. https://doi.org/10.1021/cg0704652

140. K. Akhbari, A. Morsali,*

Thermal, Fluorescence, Structural and Solution Studies Of A Thallium(I) One-Dimensional Coordination Polymer with 4-Aminobenzoate (AB^-), $[Tl(\mu_4\text{-}AB)]_n$,
Journal of Organometallic Chemistry **2007**, 692, 5141-5146.
https://doi.org/10.1016/j.jorganchem.2007.07.043

141. M. Ghoreishi Amiri, A.Morsali,* A. D. Hunter, M. Zeller;

Spectroscopy, Thermal and Structural Studies of New Zn^{II} Coordination Polymer, $[Zn_3(\mu\text{-}bpa)_{4.5}(AcO)_3](ClO_4)_3\cdot 4.26H_2O$;
Solid State Sciences **2007**, 9, 1079-1084. https://doi.org/10.1016/j.solidstatesciences.2007.07.016

142. Gh. Mahmoudi, A. Morsali,* M. Zeller;

Mercury(II) Bromide/Iodide Coordination Polymers by Self-assembly of a Long Flexible Schiff Base ligand;
Solid State Sciences **2008**, 10, 283-290. https://doi.org/10.1016/j.solidstatesciences.2007.09.012

143. Gh. Mahmoudi, Sh. Rafiei, A. Morsali,* L. G. Zhu,

Syntheses and Characterization of Three Mercury(II) Complexes, $[Hg(phen)_2(SCN)_2]$, $[Hg(2,2'\text{-}bipy)_2(SCN)_2]$ and $[Hg(phen)_2(NO_3)_2]$, Thermal and Fluorescence Studies;
Journal of Coordination Chemistry **2008**, 61, 789-795.
https://doi.org/10.1080/00958970701370583

144. K. Akhbari, A. Morsali,*

Spectroscopic, thermal, fluorescence and structural studies of new Tl^{I} pyridine dicarboxylate complexes, [Tl_2(py-2,5-dc)] and [Tl_2(py-3,5-dc)],
Journal of Molecular Structure **2008**, 878, 65-70. https://doi.org/10.1080/00958970701370583

145. A. Askarinejad, A. Morsali,*

Syntheses and characterization of $CdCO_3$ and CdO nanoparticles by using a sonochemical method,
Materials Letters **2008**, 62, 478-782. https://doi.org/10.1016/j.matlet.2007.05.082

146. Gh. H. Shahverdizadeh, Sh. Masoudian, A.A. SOUDI, A. Morsali,* P. Retailleau,

Crystal Structure of [Pb(*m*3-Nic)2]*n*, HNic = 4-nicotinic acid,
Analytical Sciences **2008**, 24, x125-x126. https://doi.org/10.2116/analscix.24.x125

147. A. Aslani, A.Morsali,* M. Zeller,

Dynamic crystal-to-crystal conversion of a 3D–3D coordination polymer by de- and re-hydration
Dalton Transactions **2008**, 5173–5177. https://doi.org/10.1039/B805367G

148. M. A. Alavi, A. Morsali,*

Syntheses of $BaCO_3$ nanostructures by ultrasonic method,
Ultrasonics Sonochemistry **2008**, 15, 833–838. https://doi.org/10.1016/j.ultsonch.2008.02.006

149. A. Aslani, A. Morsali,* M. Zeller,

Novel homochiral holodirected three-dimensional lead(II) coordination polymer, [Pb2(m-bpa)3(m-NO3)2(NO3)2]n: Spectroscopic, thermal, fluorescence and structural studies,
Solid State Sciences **2008**, 10, 854-858. https://doi.org/10.1016/j.solidstatesciences.2007.11.008

150. A. Aslani, A. Morsali*

Crystal-to-crystal transformation from a chain polymer to a two-dimensional network by thermal desolvation
Chemical Communications **2008**, 29, 3402–3404. https://doi.org/10.1039/B800126J

151. F. Marandi, A. Aslani, A. Morsali,*

Fluorine-substituted *b*-diketonate PbII complexes, [Pb(phen)(TFPB)2] and [Pb(2,20-bipy)(TFPB)2],
Journal of Coordination Chemistry **2008**, 61, 882-890.
https://doi.org/10.1080/00958970701416428

152. GH. Mahmoudi, A. Morsali,*

Nanoparticles of a new mercury(II) coordination polymer: synthesis, characterization, thermal and structural studies,
Journal of Coordination Chemistry **2008**, 61, 2787-2792.
https://doi.org/10.1080/00958970801975091

153. M. J. Soltanian, A. Morsali,* M. Zeller,

Spectroscopic, thermal and structural studies of a new mercury(II) one-dimensional coordination polymer, [Hg(3-bpo)2(SCN)2], 3-bpo^2,5-bis(3-pyridyl)-1,3,4-oxadiazole,
Journal of Coordination Chemistry ***2008,*** 61, 2227-2233.
https://doi.org/10.1080/00958970801901501

154. M. Payehghadr, S. Yousefi, A. Morsali,*

Thermal, structural and solution studies of a new lead(II) coordination polymer with g4 Pb–C interactions,
Journal of Organometallic Chemistry **2008**, 693, 2514-2518.
https://doi.org/10.1016/j.jorganchem.2008.05.005

155. Gh. Mahmoudi, A. Morsali,* M. Zeller,

Mercury(II) bromide/iodide coordination polymers by self-assembly of a long flexible Schiff base ligand;
Solid State Sciences **2008**,10, 283-290. https://doi.org/10.1016/j.solidstatesciences.2007.09.012

156. R. Bashiri, K. Akhbari, A. Morsali,* M. Zeller,

A three-dimensional AgI coordination polymer constructed via η2 Ag–C bonds: Thermal, fluorescence, structural and solution studies,
Journal of Organometallic Chemistry **2008**, 693, 1903-1911.
https://doi.org/10.1016/j.jorganchem.2008.02.018

157. K. Akhbari, A. Morsali,*

Spectroscopic, thermal, fluorescence and structural studies of new TlI pyridine dicarboxylate complexes, [Tl2(py-2,5-dc)] and [Tl2(py-3,5-dc)] ,
Journal of Molecular Structure **2008**, 878, 65–70. https://doi.org/10.1016/j.molstruc.2007.07.034

158. K. Akhbari and A. Morsali,*

Thermal, Solution and Structural Studies of a 3D Ag(I) Coordination Polymer with Various Ag-Ag Bonds, [Ag3(μ-Hbtc)(μ-H2btc)]n ,
Journal of the Iranian Chemical Society **2008**, 5, 48-56. https://doi.org/10.1007/BF03245814

159. K. Akhbari , A. Morsali,* Sh.Rafiei, M. Zeller,

A new two-dimensional AgI coordination polymer with Ag…C interactions: Thermal, fluorescence, structural and solution studies
Journal of Organometallic Chemistry **2008**, 693, 257–262.
https://doi.org/10.1016/j.jorganchem.2007.10.057

160. Gh. H. Shahverdizadeh, A. A. Soudi, A. Morsali,* P. Retailleau

Four mixed-ligands lead(II) complexes based on 8-hydroxyquinolin (8-HQuin), [Pb(8-Quin)X]; X = 4-pyridinecarboxylate, acetate, thiocyanate and nitrate; structural and thermal studies,
Inorganica Chimica Acta **2008**, 361,1875–1884. https://doi.org/10.1016/j.ica.2007.09.042

161. Gh. Mahmoudi, A. Morsali,*

Crystal-to-Crystal Transformation from a Weak Hydrogen-Bonded Two-Dimensional Network Structure to a Two-Dimensional Coordination Polymer on Heating,
Crystal Growth & Design **2008**, 8, 391-394. https://doi.org/10.1021/cg700883y

162. Gh. Mahmoudi, A. Morsali,*

Mercury(II) iodide coordination polymers generated from polyimine ligands, *Polyhedron* **2008**, 27, 1070–1078. https://doi.org/10.1016/j.poly.2007.12.002

163. H. P. Xiao, X. H. Li, Q. Shiy, W. B. Zhang, J. G. Wang, A. Morsali,*

Hydrothermal synthesis and characterization of La^{III} and Cu^{II} coordination polymers with 5-nitroisophthalic acid (H_2Nip), $[La_2(l\text{-}Nip)(l\text{-}SO_4)_2(H_2O)_5]n$ and $\{[Cu_3(l\text{-}OH)_2(l\text{-}Nip)_2(l\text{-}H_2O)_2] . 2H_2O\}_n$,
Journal of Coordination Chemistry **2008**, 61, 2905. https://doi.org/10.1080/00958970801986809

164. H. P. Xiao,* J.G. Wang, A. Morsali,* W. B. Zhang, X. H .Li

Two new Pb(II) coordination polymers, [Pb2(l-4,40-bipy) (l-2-sb)2(DMF)]n and {[Pb2(l-4,40-bipy) (l-2-sb)2(H2O)2] .H2O}n (4,40-bipy^4,40-bipyridine and 2-H2sb^2-sufobenzoic acid), *Journal of Coordination Chemistry* **2008**, 61, 3703–3710. https://doi.org/10.1080/00958970802216693

165. H. P. Xiao, * SH. Aghabeygi, , Z. W. Bing, Y. Q. Cheng, W. Y. Chen, J. Wang, A. Morsali, A new Zn^{II} two-dimensional coordination polymer, {[Zn(*k*-4,40-bipy)(1,4-ndc)(H2O)2] . (H2O)}n (4,40-bipy) 4,40-bipyridine and 1,4-ndc^1,4-naphthalenedicarboxylate) *Journal of Coordination Chemistry* **2008**, 61, 3679–3686. https://doi.org/10.1080/00958970802112777

166. M.L. Hu,* P. Yin, Z. C. Ma, A, Morsali,

Syntheses, Structural and Biological Studies of Two New Peptide Compounds, 2(s)-(5-fluorouracil-1-aceto)amino-2-isopropyl acetate hemihydrate and 2(s)-(5-fluorouracil-1-aceto)amino-2-isopropyl acetic acid,
Journal of Chemical Crystallography **2008**, 38, 807-813. https://doi.org/10.1007/s10870-008-9396-9

167. J. Abedini, A. Morsali,* M. Zeller,

Three-dimensional Hemidirected Mixed-ligand Lead(II) Coordination Polymer, [Pb2(bpa)2(SCN)3(NO3)]n (bpa _ 1,2-di(4-pyridyl)ethane);

Zeitschrift fur Anorganische und Allgemeine Chemie **2008**, *634*, 2659-2662. https://doi.org/10.1002/zaac.200800333

168. K. Akhbari, A. Morsali,* L.G. Zhu,

Thermal, fluorescence, solution and structural studies of one-dimensional Ag^{I} coordination polymer with Ag–Ag and Ag–π interactions
Journal of Molecular Structure **2008**, 891, 132-137.
https://doi.org/10.1016/j.molstruc.2008.03.035

169. A. Aslani, A. Morsali,* M. Zeller,

Nano-structures of two new lead(II) coordination polymers: New precursors for preparation of PbS nano-structures
Solid State Sciences **2008**, 10, 1591. https://doi.org/10.1016/j.solidstatesciences.2008.02.012

170. G. Mahmoudi, A. Morsali,* M. Zeller,

Spectroscopic, Thermal and Structural Studies of a New Mercury(II) Complex of 4'-(4-Pyridyl)-2,2':6',2''-terpyridine (Pyterpy) Ligand, $[Hg(Hpyterpy)(SCN)_2]_2(MeSO_4)_2$,
Journal of the Iranian Chemical Society **2008**, 5, 574-578. https://doi.org/10.1007/BF03246136

171. Gh Mahmoudi, A. Morsali,*

Novel rare case of 2D + 1D = 2D polycatenation Hg(II) coordination polymer,
Crystal Engineering Communication **2009**, 11, 50-51. https://doi.org/10.1039/B813701N

172. A. Askarinejad, A. Morsali,*

Direct ultrasonic-assisted synthesis of sphere-like nanocrystals of spinel Co_3O_4 and Mn_3O_4,
Ultrasonics Sonochemistry **2009**,16,124–131. https://doi.org/10.1016/j.ultsonch.2008.05.015

173. H. Haddadian, A. Aslani, A.Morsali,*

Syntheses of PbO nano-powders using new nano-structured lead(II) coordination polymers
Inorganica Chimica Acta **2009**, 362, 1805-1809. https://doi.org/10.1016/j.ica.2008.08.014

174. K. Akhbari, A. Morsali,*

Tl^{I} benzene multicarboxylic acid coordination polymers: Structural, thermal and fluorescence studies

Inorganica Chimica Acta **2009**, 362, 1692-1700. https://doi.org/10.1016/j.ica.2008.07.024

175. A. Aslani, A. Morsali,* V. T. Yilmaz, O. Büyükgüngör,

2D Holodirected lead(II) bromide coordination polymers constructed of rigid and flexible ligands

Inorganica Chimica Acta **2009**, 362, 1506-1510. https://doi.org/10.1016/j.ica.2008.07.013

176. R. Bashiri, K. Akhbari, A. Morsali,

Nanopowders of 3D Ag^{I} coordination polymer: A new precursor for preparation of silver nanoparticles

Inorganica Chimica Acta **2009**, 362, 1036-1041. https://doi.org/10.1016/j.ica.2008.04.042

177. Gh. Mahmoudi, A. Morsali,* M. Zeller,

Mercury(II) cetate/thiocyanate coordination polymers with n-donor ligands, spectroscopic, thermal and structural studies

Inorganica Chimica Acta **2009**, 362, 217–225. https://doi.org/10.1016/j.ica.2008.03.086

178. A. Ramazani, L. Dolatyari, A. Morsali,* M. Z. Kassaee,

Thermal, Spectroscopic, X-ray Powder Diffraction, Fluorescence and Structural Studies of $[Pb(\mu\text{-}4\text{-pyc})(\mu\text{-Br})]_n$, New Mixed-Anions Lead(II) 3D Coordination Polymers,

Journal of Coordination Chemistry **2009**, 62, 1784-1790.

https://doi.org/10.1080/00958970902721543

179. A. Morsali, H. H. Monfared, A. Ramazani, N. Noshiranzadeh, A. Morsali,* M. Zeller,

Syntheses and Characterization of New Mn^{II} and Fe^{II} Complexes With the Ligand 4'-(4-Pyridyl)-2,2':6',2''-terpyridine (pyterpy); $[Mn(pyterpy)(MeOH)_2(OAc)](ClO_4)$ and $[Fe(pyterpy)_2](SCN)_2 \cdot MeOH$,

Journal of Coordination Chemistry **2009**, 62, 2631-2640.

https://doi.org/10.1080/00958970902866546

180. Z. Rashidi Ranjbar, Sh. Hamidi, F. Heshmatpour, A. Morsali,*

Thermal, Spectroscopic, X-ray Powder Diffraction and Structural Studies A new Cd^{II} mixed-ligands coordination polymer**,**
Journal of Coordination Chemistry **2009**, 62, 2022-2027.
https://doi.org/10.1080/00958970902767223

181. K. Akhbari, K. Alizadeh, A. Morsali.* M. Zeller,

A New Two-dimensional Thallium(I) Coordination Polymer With 4-hydroxybenzylidene-4-aminobenzoate: Thermal, Structural, Solution and Solvatochromic Studies,
Inorganica Chimica Acta **2009**, 362, 2589-2594. https://doi.org/10.1016/j.ica.2008.11.028

182. Gh. Mahmoudi, A. Morsali,*

Structural, X-ray powder diffraction and Thermal study of Mercury(II) coordination polymers with pyrazine derivatives,
Crystal Engineering Communication **2009**, 11, 1868-1879. https://doi.org/10.1039/B903457A

183. N. Soltanzadeh, A Morsali,*

Metal-Organic Supramolecular Assemblies Generated From Bismuth(III) Bromide And Polyimine Ligands,
Polyhedron **2009,** 28, 703-710. https://doi.org/10.1016/j.poly.2008.12.048

184. S. khanjani, A. Morsali,*

A New Nano-particles La^{III} Supramolecular Compound; A Precursor For Preparation of Lanthanum Oxybromide, Lanthanum Hydroxide and Lanthanum Oxide Nano-structures,
Journal of Coordination Chemistry **2009**, 62, 3343-3350.
https://doi.org/10.1080/00958970903082184

185. A. Aslani, A. Morsali,* V. T. Yilmaz, C. Kazak,

Hydrothermal and Sonochemical Synthesis of Nano-sized Lead(II) 2D Metal-organic Polymer: A Precursor For Nano-structured Lead(II) Oxide and Lead(II) Bromide,

Journal of Molecular Structure **2009**, 927, 187-192.
https://doi.org/10.1016/j.molstruc.2009.04.026

186. N. Soltanzadeh, A. Morsali,*

Syntheses and Characterization of New Nano-structured Bismuth(III) Bromide Coordination Polymer; New Precursor For Preparation of Bismuth(III) bromide and Bismuth(III) oxide Nano-structures,
Journal of Coordination Chemistry **2009**, 27, 2869-2874.
https://doi.org/10.1080/00958970902951629

187. A. Askarinejad, A. Morsali,*

Synthesis and Characterization of Mercury Oxide Unusual Nanostructures by Ultrasonic Method, *Chemical Engineering Journal* **2009**, 153,183-186. https://doi.org/10.1016/j.cej.2009.05.031

188. A. Morsali, H. Hossieni Monfared, A. Morsali,* M. Zeller,

Syntheses and Characterization of Nanoparticles of the Mn^{II} Complex {[Mn(pyterpy)(H_2O)$(NCS)_{1.88}Cl_{0.12}$]·DMF}: The Influence of the Nano-structure Upon Catalytic Properties,
Inorganica Chimica Acta **2009**, 362, 3427-3432. https://doi.org/10.1016/j.ica.2009.03.040

189. A. Askarinejad, A. Morsali,*

Sonochemical synthesis of $Cd(OH)_2$, $CdCO_3$ and CdO nanoparticles; investigation of intermediate products,
Chemical Engineering Journal **2009**, 150, 569-571. https://doi.org/10.1016/j.cej.2009.03.005

190. A. Morsali,* M. Y. Masoomi,

Structures and properties of mercury(II) coordination polymers;
Coordination Chemistry Reviews **2009**, 253, 1882-1905.
https://doi.org/10.1016/j.ccr.2009.02.018

191. M. Ghoreishi Amiri, A. Morsali,* M. Zeller,

A Dynamic Crystal-to- Amorphous Transformation Microporous Zn^{II} Mixed Neutral-ligand Metal-organic Polymer, $\{[Zn(bpp)_2(\mu\text{-}4,4'\text{-bipy})(H_2O)_2](ClO_4)_2 \cdot H_2O\}_n$;
Zeitschrift fur Anorganische und Allgemeine Chemie **2009**, 635, 1673-1677.
https://doi.org/10.1002/zaac.200801346

192. S. khanjani, A. Morsali,*

Two New Metal-Organic La(III) Compounds As Precursors for Preparation of Nano-sized LaO(OH) and $La(OH)_3$,
Journal of Coordination Chemistry **2009**, 62, 3642-3650.
https://doi.org/10.1080/00958970903134290

193. H. Ahmadzadi, F. Marandi, A. Morsali,*

Nano-structured Lead(II) Coordination Polymer With η^2 Pb-C Interactions; Thermal, Structural and X-ray Powder Diffraction Studies,
Journal of Organometallic Chemistry **2009**, 694, 3565-3569.
https://doi.org/10.1016/j.jorganchem.2009.07.016

194. Gh. Mahmoudi, A. Morsali,*

Novel rare case of 2D + 1D = 2D polycatenation Hg(II) coordination polymer,

Crystal Engineering Communication **2009**, 12, 50-51. https://doi.org/10.1039/B813701N

195. M. Mohammadi, A. Morsali,*

Different thallium(III) oxide nano-structures from direct thermal decomposition of two thallium(I) coordination polymers,
Materials Letters **2009**, 63, 27, 2349-2351. https://doi.org/10.1016/j.matlet.2009.08.006

196. A. Aslani, A. Morsali,* M. Zeller,

Synthesis and Characterization of Nano-particles of a new Metal-Organic Lead(II) Polymer: A Precursor for the Preparation of Nano-structured Lead(II) Iodide and Lead(II) Oxide,
Inorganica Chimica Acta **2009**, 362, 5012-5016. https://doi.org/10.1016/j.ica.2009.08.011

197. Z. Rashidi Ranjbar, A. Morsali,*

Sonochemical syntheses of a new nano-sized porous lead(II) coordination polymer as precursor for preparation of lead(II) oxide nanoparticles,
Journal of Molecular Structure **2009**, 936, 206-212.
https://doi.org/10.1016/j.molstruc.2009.07.041

198. A. Aslani, A. Morsali,*

Sonochemical synthesis of nano-sized metal-organic lead(II) polymer: A precursor for the preparation of nano-structured lead(II) iodide and lead(II) oxide,
Inorganica Chimica Acta **2009**, 362, 5012–5016. https://doi.org/10.1016/j.molstruc.2009.07.041

199. H. Sadeghzadeh, A. Morsali,*

A New Reversible Crystal-to-Crystal Conversion of Mixed-ligands Lead(II) Coordination Polymer by De- and Rehydration,
Inorganic Chemistry **2009**, 48, 10871-10873. https://doi.org/10.1021/ic901532x

200. Gh. Mahmoudi, A. Morsali,*

A New Crystal-to-Crystal Transformation Hg^{II} Metal-Organic Polymer Constructed From A Triazole Ligand,
Zeitschrift fur Anorganische und Allgemeine Chemie **2009**, 635, 2697-2700.
https://doi.org/10.1002/zaac.200900118

201. A. Morsali, H. Hossieni Monfared, A. Morsali,*

Synthesis and characterization of Mn_3O_4 nanoparticles via thermal decomposition of a new synthesized hydrogen bonded polymer,
Journal of Molecular Structure ***2009***, 938, 10-14**.** https://doi.org/10.1016/j.molstruc.2009.08.032

202. M. Khanpour, A. Morsali,*

Solid state crystal-to-crystal transformation from a monomeric structure to 1-D coordination polymers on anion exchange,

crystal Engineering Communication **2009**, 11, 2585-2587. https://doi.org/10.1039/B908362F

203. H. Hosseini Monfared,* A. Mohajeri, A. Morsali, C. Janiak,*

Olefin epoxidation with H 2 O 2 in the presence of Mn (II) dicarboxylate coordination polymer catalysts.
Monatshefte für Chemie-Chemical Monthly **2009**, 140, 12, 1437-1445.
http://dx.doi.org/10.1007%2Fs00706-009-0215-6

204. K. Alizadeh,* A. R. Ghiasvan, M. Borzoei, S. Zohrevand, B. Rezaei, P. Hashemi, M. Shamsipur, B. Maddah, A. Morsali, K. Akhbari, I. Yavari,

Experimental and computational study on the aqueous acidity constants of some new aminobenzoic acid compounds;
Journal of Molecular Liquids **2009**, 149, 60-65. https://doi.org/10.1016/j.molliq.2009.08.007

205. H. P. Xiao,* R. Rahimi, Y. Q. Cheng, A.Morsali,* W. B. Zhang, J. G. Wang,

La^{III} and Eu^{III} 2D Coordination Polymers of 5-nitroisophthalic acid (H_2Nip) and 1,10-phenanthroline (phen), $[M(phen)(HNip)(Nip)]_n$,
Journal of Coordination Chemistry **2009**, 62, 3921-3929.
https://doi.org/10.1080/00958970903242507

206. N. Soltanzadeh, A.Morsali,*

Nano-structures of a New Bismuth(III) Supramolecular Compound: New Precursors for the Preparation of Bi_2O_3 Nano-rods and BiI_3 Nano-wires
Ultrasonics Sonochemistry **2010**, 17, 139-144. https://doi.org/10.1016/j.ultsonch.2009.05.003

207. F. Bigdeli, A. Morsali,* P. Retailleau,

Syntheses and Characterization of Different Zinc(II) Oxide Nano-structures From Direct Thermal Decomposition of 1D Coordination Polymers,
Polyhedron **2010**, 29, 801-806. https://doi.org/10.1016/j.poly.2009.10.027

208. M. A. Alavi, A Morsali,*

Syntheses and characterization of $Mg(OH)_2$ and MgO nanostructures by ultrasonic method,
Ultrasonics Sonochemistry **2010**, 17, 441-446. https://doi.org/10.1016/j.ultsonch.2009.08.013

209. M. J. Soltanian Fard-Jahromi, AMorsali,*

Sonochemical synthesis of nanoscale mixed-ligands lead(II) coordination polymers as precursors for preparation of $Pb_2(SO_4)O$ and PbO nanoparticles; thermal, structural and X-ray powder diffraction studies,
Ultrasonics Sonochemistry **2010**, 17, 435-440. https://doi.org/10.1016/j.ultsonch.2009.08.005

210. A. R. Abbasi, A, Morsali,*

Syntheses and Characterization of AgI Nano- structures by Ultrasonic Method; Different Morphologies Under Different Conditions,
Ultrasonics Sonochemistry **2010**, 17, 572-578. https://doi.org/10.1016/j.ultsonch.2009.11.002

211. H. Sadegzadeh, A. Morsali,*

Hedge balls Nano-structure of a Mixed-ligand Lead(II) Coordination Polymer; Thermal, Structural and X-ray Powder Diffraction Studies
Crystal Engineering Communication **2010**, 12, 370-372. https://doi.org/10.1039/B917819H

212. H. Sadeghzadeh, A. Morsali,* V. T. Yilmaz, O. Büyükgüngör,

Sonochemical Synthesis of Nano-scale Mixed-ligands Lead(II) Coordination Polymers As Precursors For Preparation of PbO and PbBr(OH) Nano-structures; Thermal, Structural and X-ray Powder Diffraction Studies,
Ultrasonics Sonochemistry **2010**, 17, 592-597. https://doi.org/10.1016/j.ultsonch.2009.11.015

213. F. Bigdeli, A. Morsali,*

Synthesis ZnO nanoparticles from a new Zinc(II) coordination polymer precursor,
Materials Letters **2010**, 64, 4-5. https://doi.org/10.1016/j.matlet.2009.09.038

214. H. Sadeghzadeh, A. Morsali,* P. Retailleau,

Ultrasonic-Assisted Synthesis of Two New Nano-structured 3D Lead(II) Coordination Polymers; Precursors For Preparation of PbO Nano-structures,
Polyhedron **2010**, 29, 925-933. https://doi.org/10.1016/j.poly.2009.10.026

215. A. R. Abbasi, A.Morsali,*

Formation of silver iodide nanoparticles on silk fiber by means of ultrasonic irradiation,
Ultrasonics Sonochemistry **2010**, 17, 704-710. https://doi.org/10.1016/j.ultsonch.2010.01.002

216. M. A. Alavi, A. Morsali,*

Syntheses and characterization of $Sr(OH)_2$ and $SrCO_3$ Nanostructures by Ultrasonic Method,
Ultrasonics Sonochemistry **2010**, 17, 132-138. https://doi.org/10.1016/j.ultsonch.2009.05.004

217. H. Sadeghzadeh, A. Morsali,* V. T. Yilmaz, O. Büyükgüngör,

Synthesis of PbO Nano-particles From a New One-dimensional Lead(II) Coordination Polymer Precursor,
Material Letters **2010**, 64, 810-813. https://doi.org/10.1016/j.matlet.2010.01.017

218. H. Sadeghzadeh, A. Morsali,* V. T. Yilmaz, O. Büyükgüngör,

Sonochemical Syntheses of Strawberry-like Nano-structure Mixed-ligand Lead(II) Coordination Polymers; Thermal, Structural and X-ray Powder Diffraction Studies,
Inorganica Chimica Acta **2010**, 363, 841-845. https://doi.org/10.1016/j.ica.2009.12.049

219. H. Sadeghzadeh, A. Morsali,*

Sonochemical synthesis and structural characterization of microcrystals a lead(II) benzentricarboxilate coordination polymer: new precursor to produce pure phase nanoparticles of lead(II) oxide**,**
Journal of Coordination Chemistry **2010***,* 63, 713-720.
https://doi.org/10.1080/00958970903502736

220. Z. Darvishi, A. Morsali,*

Synthesis and Characterization of Nano-sepiolite by Solvothermal Method,

Applied Surface Sciences **2010**, 256, 3607-3611. https://doi.org/10.1016/j.apsusc.2009.12.163

221. M. Khanpour, A. Morsali,* P. Retailleau,

Sonochemical Syntheses of a Straw-like Nano-structure Two-dimensional Mixed-ligand Zinc(II) Coordination Polymer As Precursor For Preparation of Nano-sized ZnO,
Polyhedron **2010**, 29, 1520-1524. https://doi.org/10.1016/j.poly.2010.01.024

222. M. A. Alavi, A. Morsali,*

Ultrasonic-Assisted Synthesis of $Ca(OH)_2$ and CaO Nanostructures,
Journal of Experimental Nanosciences **2010**, 5, 93-105.
https://doi.org/10.1080/17458080903305616

223. M. Khanpour, A. Morsali,*

Solid State Reversible Anion-exchange and Irreversible Anion-replacement in One-dimensional Zinc(II) Coordination Polymers, New precursors for Preparation of Nano Zinc(II) Compounds,
European Journal of Inorganic Chemistry **2010**. 1567-1571.
https://doi.org/10.1002/ejic.200901155

224. K. Akhbari, A. Morsali,*

Preparation of Silver Nanoparticles from Silver(I) Nano-Coordination Polymer,
Inorganica Chimica Acta **2010**, 363, 1435-1440. https://doi.org/10.1016/j.ica.2010.01.026

225. M. K. Rofouei, M. Payehghadr, A. Morsali,* Z. Rashidi Ranjbar, M. Shamsipur,

Structural and Solution Studies of new cadmium(II) complexes with 2,2'-Diamino-4,4'-bithiazole,
Journal of Coordination Chemistry **2010**, 63, 1052-1062.
https://doi.org/10.1080/00958971003698499

226. S. Khanjani, A. Morsali,*

Synthesis and Characterization of Lanthanum Oxide Nano-particles From Thermolysis of Nano-structured Supramolecular Compound**,**

Journal of Molecular Liquids **2010**, 153, 129-132. https://doi.org/10.1016/j.molliq.2010.01.010

227. M. Y. Masoomi, Gh. Mahmoudi, A. Morsali,*

Sonochemical Syntheses and Characterization of New Nanorods Mercury(II) Metal-organic Polymer Generated From Polyimine Ligands,
Journal of Coordination Chemistry **2010**, 63, 1186-1193.
https://doi.org/10.1080/00958971003721226

228. A. Askarinejad, M. Bagherzadeh, A. Morsali,*

Catalytic performance of Mn3O4 and Co3O4 nanocrystals prepared by sonochemical method in epoxidation of styrene and cyclooctene**,**
Applied Surface Science **2010**, 256, 6678–6682. https://doi.org/10.1016/j.apsusc.2010.04.069

229. K. Akhbari, A. Morsali,*

Thallium(I) Supramolecular Compounds; Structural and Properties Consideration,
Coordination Chemistry Reviews **2010**, 254, 1977–2006.
https://doi.org/10.1016/j.ccr.2010.03.006

230. A. Askarinejad, M. Iranpour, N. Bahramifar, A. Morsali,*

Synthesis and characterization of $In(OH)_3$ and In_2O_3 nanoparticles by sol-gel and solvothermal methods,
Journal of Experimental Nanoscience **2010**, 5, 294–301.
https://doi.org/10.1080/17458080903513292

231. S. Khanjani, A. Morsali,* P. Retailleau,

Reversible crystal to crystal transformation of a hydrogen-bonded polymer to another in a solid-gas reaction along with morphology change: nano-particles to nano-rods conversion,
Crystal Engineering Communication **2010**, 12, 2173–2178. https://doi.org/10.1039/B918746D

232. L. Aboutorabi, A. Morsali,*

Sonochemical synthesis of a new nano-plate lead(II) coordination polymer constructed of maleic acid,
Inorganica Chimica Acta **2010**, 363, 2506–2511. https://doi.org/10.1016/j.ica.2010.04.024

233. H. Sadeghzadeh, V. T. Yilmaz, O. Buyukgu Ngor, A. Morsali,*

Sonochemical syntheses and characterization of a new nano-sized 2-D lead(II) coordination polymer as precursor for preparation of PbBr(OH) nano-structure,
Journal of Coordination Chemistry **2010**, 63, 3423–3430.
https://doi.org/10.1080/00958972.2010.511202

234. A. Ramazani,* Sh. Hamidi, A. Morsali,

A novel mixed-ligands holodirected two-dimensional lead(II) coordination polymer as precursor for preparation lead(II) oxide nanoparticles,
Journal of Molecular Liquids **2010**, 157, 73–77. https://doi.org/10.1016/j.molliq.2010.08.012

235. A. R. Abbasi, A. Morsali,*

Synthesis and characterization of AgBr-Silk nanocomposite under ultrasound irradiation,
Journal of Inorganic and Organometallic Polymers **2010**, 20, 825–832.
https://doi.org/10.1007/s10904-010-9408-z

236. J. Asadpoor, R. Rahimi, K. Akhbari, A. Morsali,*

Nanoparticles of a new potassium(I) coordination polymer from thermal treatment with oleic acid: Syntheses, characterization, thermal, structural and solution studies,
Journal of Inorganic and Organometallic Polymers **2010**, 20, 755–760.
https://doi.org/10.1007/s10904-010-9399-9

237. H. Sadeghzadeh, A. Morsali,*

Sonochemical Syntheses of Nano-scale Mixed-ligand Lead(II) Coordination Polymers; Different Nano-structures with different anions,
Journal of Inorganic and Organometallic Polymers **2010**, 20, 733–738.
https://doi.org/10.1007/s10904-010-9397-y

238. A. R. Abbasi, A. Morsali,*

Ultrasound-assisted coating of silk yarn with silver chloride nanoparticles,
Colloids and Surfaces A: Physicochemical and Engineering Aspects **2010**, 371, 113-118.
https://doi.org/10.1016/j.colsurfa.2010.09.014

239. K. Akhbari, A. Morsali,*

Silver nanofibers from the nanorods of one-dimensional organometallic coordination polymers,
Crystal Engineering Communication **2010**, 12, 3394–3396. https://doi.org/10.1039/C002740E

240. M. Khanpour, A. Morsali,*

Synthesis and characterization of ZnS and ZnO nanoparticles *via* thermal decomposition of two new synthesized One-dimensional Coordination polymers at two different temperatures;
Journal of Inorganic and Organometallic Polymers **2010**, 20, 692–697.
https://doi.org/10.1007/s10904-010-9382-5

241. L. Hashemi, A.Morsali,*

Synthesis and Characterization of A New Nano Lead(II) Two-dimensional Coordination Polymer by Sonochemical Method: A Precursor to Produce Pure Phase Nano-sized Lead(II) Oxide;
Journal of Inorganic and Organometallic Polymers **2010**, 20, 856–861.
https://doi.org/10.1007/s10904-010-9404-3

242. M. J. Soltanian fard, A. Morsali,*

Sonochemical Synthesis of New Nano-belt One-dimensional Double-Chain Lead(II) Coordination Polymer; As Precursor For Preparation of PbBr(OH) Nano-structure;
Journal of Inorganic and Organometallic Polymers **2010**, 20, 727–732.
https://doi.org/10.1007/s10904-010-9392-3

243. K. Akhbari, A. Morsali,* P. Retailleau,

Silver Nanoparticles from Thermal Decomposition of Two-Dimensional Nano-Coordination Polymer,
Polyhedron **2010**, 29, 3304–3309. https://doi.org/10.1016/j.poly.2010.09.011

244. J. Abedini, R. Safiei, Z. Rashidi Ranjbar, A. Morsali,*

Spectroscopic, Thermal and Structural Studies of Cocrystals of 2,2′-Diamino-4,4′-bis(1,3-thiazole) with 2,5-Bis(4-pyridyl)-3,4-Diaza-2,4-hexadiene and 1,2-Bis(4-pyridyl)ethylenediamine,
Journal of Chemical Crystallography **2010**, 40:1180–1187. https://doi.org/10.1007/s10870-010-9819-2

245. A. Aghjani, P. Mirzaie, A. Morsali,*

Synthesis and Characterization of Novel Nano-Flowers $Cu_3(PO_4)_2.3H_2O$ by Solid State Reaction at Room Temperature,
International Journal of Nanoparticles (IJNP) Inderscience **2010**, 3, 326–332. https://doi.org/10.1504/IJNP.2010.037136

246. L. Aboutorabi, A. Morsali,*

Sonochemical syntheses and characterization of nano-structured three-dimensional lead(II) coordination polymer constructed of fumaric acid**,**
Ultrasonics Sonochemistry **2011**, 18, 407–411. https://doi.org/10.1016/j.ultsonch.2010.07.012

247. M. S. Yazdan Parast, A. Morsali,*

Sonochemical-assisted synthesis of nano-structured indium(III) hydroxide and oxide**,**
Ultrasonics Sonochemistry **2011**, 18, 375–381. https://doi.org/10.1016/j.ultsonch.2010.07.001

248. Z. Darvishi, A. Morsali,*

Synthesis and characterization of Nano-bentonite by sonochemical method**,**
Ultrasonics Sonochemistry **2011**, 18, 238–242. https://doi.org/10.1016/j.ultsonch.2010.05.012

249. A. R. Abbasi, A. Morsali,*

Synthesis and properties of silk yarn containing Ag nanoparticles under ultrasound irradiation**,**
Ultrasonics Sonochemistry **2011**, 18, 282–287. https://doi.org/10.1016/j.ultsonch.2010.06.002

250. H. Sadeghzadeh, A. Morsali,*

Sonochemical synthesis and characterization of nano-belt lead (II) coordination polymer: New precursor to produce pure phase nano-sized lead (II) oxide**,**
Ultrasonics Sonochemistry **2011**, 18, 80–84. https://doi.org/10.1016/j.ultsonch.2010.01.011

251. Z. Rashidi Ranjbar, A. Morsali,*

Sonochemical Synthesis of A Novel Nano-rod Two-dimensional Zinc(II) Coordination Polymer; Preparation of Zinc(II) Oxide Nanoparticles by Direct Thermolyses**,**
Ultrasonics Sonochemistry **2011**, 18, 644–651. https://doi.org/10.1016/j.ultsonch.2010.09.017

252. L. Hashemi, A. Morsali,* P. Retailleau,

Synthesis and Structural Characterization of New One- and Two-dimensional Lead(II) Coordination Polymers; New Precursors For Preparation of Pure Phase Lead(II) Oxide nanoparticles *via* thermal Decomposition**,**
Inorganica Chimica Acta **2011**, 367, 207–211. https://doi.org/10.1016/j.ica.2010.11.043

253. Gh. H. Shahverdizadeh, Sh. Masoudian, A. A. Soudi, F. Bigdeli, A. Morsali,* H. R. Khavasi,

Direct Synthesis of Cd_3OSO_4 Nano-particles From a New Three-dimensional Cadmium(II) Coordination Polymer Precursor,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 171–174.
https://doi.org/10.1007/s10904-010-9443-9

254. M. Ghoreishi Amiri, A. Morsali,* Fahime Bigdeli,

A New Metal-organic Zn^{II} Supramolecular Assembled *Via* Hydrogen Bonds and N···N Interactions As A New Precursor For Preparation Zinc(II) Oxide Nanoparticles, Thermal, Spectroscopic and Structural Studies,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 195–200.
https://doi.org/10.1007/s10904-010-9429-7

255. Z. Darvishi, A. Morsali,*

Synthesis and characterization of nano-bentonite by solvothermal method,

Colloids and Surfaces A: Physicochem. Eng. Aspects **2011**, 377, 15–19.
https://doi.org/10.1016/j.colsurfa.2010.11.016

256. M. S. Yazdan Parast, A. Morsali,*

Nano-porous indium(III) metal-organic framework as a novel precursor for synthesis of In2O3 nanoparticles,
Inorganic Chemistry Communications **2011**, 14, 450–452.
https://doi.org/10.1016/j.inoche.2010.12.020

257. K. Akhbari, A. Morsali,*

Reversible Solid State Structural Transformation of a Polyhapto Lead(II) Polymeric Chain to a Tetrahapto Lead(II) Two-Dimensional Network by Thermal Dehydration with no Change in Nano-plate Morphology,
Crystal Engineering Communication **2011**, 13, 2047–2053. https://doi.org/10.1039/C0CE00404A

258. Z. Rashidi Ranjbar, A. Morsali,*

Ultrasound Assisted Syntheses of Nano-structured Two-dimensional Mixed-Ligand Cadmium(II) Coordination Polymer And Direct Thermolyses For Preparation of Cadmium(II) oxide Nanoparticles,
Polyhedron **2011**, 30, 929–934. https://doi.org/10.1016/j.poly.2010.12.033

259. M. S. Yazdan Parast, A. Morsali,*

Synthesis and charactrization of porous Al(III) Metal-organic Framework nanoparticles as a new precursor for pripartion of Al_2O_3 Nanoparticles,
Inorganic Chemistry Communications **2011**, 14, 645–648.
https://doi.org/10.1016/j.inoche.2011.01.040

260. Z. Darvishi, , K. Kabiri, , M. J. Zohuriaan-Mehr,* A. Morsali,*

Nanocomposite Super-swelling Hydrogels with Nanorod Bentonite,
Journal of Applied Polymer Science **2011**, 120, 3453–3459. https://doi.org/10.1002/app.33417

261. F. Marandi, A. Morsali,*

Sonochemical Syntheses and Characterization of A New Nano-structured One-dimensional Lead(II) Coordination Polymer with 4,4,4-Trifluoro-1-phenyl-1,3-butandione,
Inorganica Chimica Acta **2011**, 370, 526–530. https://doi.org/10.1016/j.ica.2011.01.045

262. M. Soliemani,* M. S. Mahmodi, A. Morsali, A. Khani, M. G. Afshar,

Using a new ligand for solid extraction of mercury,
Journal of Hazardous Materials **2011**, 189, 371–376.
https://doi.org/10.1016/j.jhazmat.2011.02.047

263. K. Akhbari, A. Morsali,*

Two-Dimensional Thallium (I) Supramolecular Polymer Constructed from Tl···π Interactions; A New Precursor for Preparation Thallium (III) Oxide with Nano Structural Surface,
Polyhedron **2011**, 30, 1456–1462. https://doi.org/10.1016/j.poly.2011.02.021

264. A. Askarinejad, M. Bagherzadeh, A. Morsali,*

Sonochemical fabrication and catalytic properties of α-Fe_2O_3 nanoparticles**,**
Journal of Experimental Nanoscience **2011**, 6, 217–225.
https://doi.org/10.1080/17458080.2010.489583

265. M. Ramazani, A. Morsali,*

Sonochemical syntheses of a new nano-plate cadmium(II) coordination polymer as a precursor for the synthesis of cadmium(II) oxide nanoparticles**,**
Ultrasonics Sonochemistry **2011**, 18, 1160–1164. https://doi.org/10.1016/j.ultsonch.2010.12.011

266. Z. Darvishi, A. Morsali,*

Sonochemical preparation of polygorskite nanoparticles,
Applied Clay Science **2011**, 51, 51-53. https://doi.org/10.1016/j.clay.2010.10.032

267. A. Abbasi, A. Morsali,*

Influence of various reduction reagents on the morphological properties of Ag nanoparticles @ silk fiber prepared using sonochemical method,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 369-375.
https://doi.org/10.1007/s10904-010-9442-x

268. K. Akhbari, M. Hemmati, A. Morsali,*

Fabrication of silver nanoparticles and 3D interpenetrated coordination polymer nanorods from the same initial reagents,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 352-359.
https://doi.org/10.1007/s10904-010-9444-8

269. M. Khanpour, A. Morsali,*

Synthesis and characterization of one-dimensional zinc (II) coordination polymers as precursors for preparation of zno nanoparticles via thermal decomposition,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 360-364.
https://doi.org/10.1007/s10904-010-9450-x

270. K. Akhbari, A. Morsali,*

Effect of the guest solvent molecules on preparation of different morphologies of zno nanomaterials from the [Zn_2 (1, 4-bdc) $_2$(dabco)] metal-organic framework,
Journal of Coordination Chemistry **2011**, 64, 3521-3530.
https://doi.org/10.1080/00958972.2011.623778

271. K. Akhbari, A. Morsali,*

A thallium(I) tetranuclear cubic cage unit in an interpenetrated polymer; A new precursor for the preparation of Tl_2O_3 nanostructures,
Polyhedron **2011**, 30, 2459-2465. https://doi.org/10.1016/j.poly.2011.06.027

272. Z. Rashidi Ranjbar, A. Morsali,* P. Retailleau,

Thermolysis preparation of zinc(II) oxide nanopaeticles from a new micro-rods one-dimensional zinc(II) coordination polymer synthesized by ultrasonic method,
Inorganica Chimica Acta **2011**, 376, 486-491. https://doi.org/10.1016/j.ica.2011.07.012

273. Z. Rashidi Ranjbar, A. Morsali,*

Preparation of zinc (II) oxide nanoparticles from a new nano-sizea coordination polymer constructed from a polypyridyl amidic ligand; spectroscopic, photoluminescense and thermal analysis studies,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 421-430.
https://doi.org/10.1007/s10904-011-9463-0

274. Z. Rashidi Ranjbar, A. Morsali,*

Preparation of silk nanostructure from silver(I) coordination polymer and fabrication of nano silk(I) bromide by reverse micelles technique,
Synthetic Metals **2011**,161, 1449-1455. https://doi.org/10.1016/j.synthmet.2010.12.004

275. M. hosseinifard, L. Hashemi, V. Amani, Kh. Kalateh, A. Morsali,*

Synthesis and characterization of ZnO nanoparticles via thermal decomposition of two zinc(II) supramolecular compounds,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 527-533.
https://doi.org/10.1007/s10904-011-9473-y

276. Gh. H. Shahverdizadeh,* A. Morsali,*

Sonochemical synthesis of one-dimensional nano-structure of three-dimensional cadmium (II) coordination oilymer,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 694-699.
https://doi.org/10.1007/s10904-011-9468-8

277. A. Alemi,* Y. Hanifehpour, S. W. Joo, * A. Khandar, A. Morsali, B. k. Min,

Co-reduction synthesis of new $Ln_xSb_{2-x}S_3$ (Ln:Nd^{3+}, Lu^{3+}, Ho^{3+}) nanomaterials and investigation of their physical properties,
Physica B **2011**, 406, 2801-2806. https://doi.org/10.1016/j.physb.2011.04.032

278. V. Safarifard, A.Morsali,*

Reversible crystal-to-crystal transformation of 3D-3D coordination polymer by solid state anion-replacement with no change in nano-particle morphology,
Crystal Engineering Communication **2011**, 13, 4817-4819. https://doi.org/10.1039/C1CE05311F

279. V. Safarifard, A. Morsali,*

Sonochemical synthesis and characterization of nano-sized lead(II) coordination polymer with ligand 1H-1,2,4-triazole-3-carboxylate,
Ultrasonics Sonochemistry **2011**, 19, 300-306. https://doi.org/10.1016/j.ultsonch.2011.03.019

280. A. Abbasi, M. Bohlulzadeh, A. Morsali,*

Preparation of Agcl nanoparticles@ ancient textile with antibacterial activity under ultrasound irradiation,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 504-510.
https://doi.org/10.1007/s10904-011-9484-8

281. A. Alemi, S. W. Joo,* Y. Hanifehpour, A. Khandar, A. Morsali, B. Min,

Hydrothermal synthesis of Sb_2O_3 nanorods using iodine via redox mechanism,
Journal of Nanomaterials **2011**, 2011, 1-5. https://doi.org/10.1155/2011/186528

282. M. L. Hu,* A. Morsali,* L. Aboutorabi,

Lead(II) carboxylate supramolecular compounds; coordination modes, structures and nano-sructures aspects,
Coordination Chemistry Reviews **2011**, 255, 2821-2859.
https://doi.org/10.1016/j.ccr.2011.05.019

283. F. Marandi,* V. Safarifard, A. Morsali,* H. K. Fun,

Sonochemical synthesis and characterization of a nanostructured 3-D lead(II) coordination polymer with 4- methoxybenzoyltrifluoroacetone,
Journal of Coordination Chemistry **2011**, 64, 3781-3791.
https://doi.org/10.1080/00958972.2011.630731

284. A. Mehrani, A. Morsali,*

One-dimensional coordination polymer as a new precursor for preparation of Fe_2O_3 nano-particles,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 476-479.
https://doi.org/10.1007/s10904-011-9476-8

285. A. Y. Wang,* J. Wang, Sh. Aghabeygi, J. G. Wang, H. P. Xiao, A. Morsali,*

Syntheses and characterization of a new nano-porous soft copper(II) metal-organic framework and nano-porous two- dimensional manganese(II) and zinc(II) coordination polymers with 4,4'-bipyridine and 2-sulfobenzoic acid,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 700-705.
https://doi.org/10.1007/s10904-011-9487-5

286. A. Y. Wang,* J. Wang, Sh. Aghabeygi, J. G. Wang, H. P. Xiao, A. Morsali,*

Zinc(II) metal-organic framework with nano-sized channels based on paddle-wheel units,
Journal of Inorganic and Organometallic Polymers **2011**, 21, 730-733.
https://doi.org/10.1007/s10904-011-9546-y

287. L. Hashemi, A. Morsali,*

Sonochemical synthesis of nano-structured lead (II) complex: precursor for the preparation of PbO nano-structures,
Journal of Coordination Chemistry **2011**, 64, 4088-4097.
https://doi.org/10.1080/00958972.2011.634908

288. L. Hashemi, A. Morsali,*

Microwave assisted synthesis of a new lead (II) porous three-dimensional coordination polymer: study of nanostructured size effect on high iodide adsorption affinity,
Crystal Engineering Communication **2012**, 14, 779-781. https://doi.org/10.1039/C2CE06133C

289. V. Safarifard, A. Morsali,*

Sonochemical syntheses of a nano-sized copper (II) supramolecular as a precursor for the synthesis of copper (II) oxide nanoparticles,
Ultrasonic Sonochemistry **2012**, 19, 823-829. https://doi.org/10.1016/j.ultsonch.2011.12.013

290. A. R. Abbasi, H. Kalantary, M. Yousefi, A. Ramazani, A. Morsali,*

Synthesis and characterization of Ag nanoparticles@polyethylene fibers under ultrasound irradiation;
Ultrasonic Sonochemistry **2012**, 19, 853–857. https://doi.org/10.1016/j.ultsonch.2011.11.011

291. A. R. Abbasi, K. Akhbari, A. Morsali,*

Dense coating of surface mounted CuBTC metal-organic framework nanostructures on silk fibers, prepared by layer-by-layer method under ultrasonic irradiation with antibacterial activity;
Ultrasonic Sonochemistry **2012**, 19, 846–852. https://doi.org/10.1016/j.ultsonch.2011.11.016

292. L. Hashemi, A. Morsali,*

Synthesis and structural characterization of new two-dimensional lead (II) coordination polymer: New precursor for preparation of pure phase lead (II) oxide nanoparticles via thermal decomposition,
Inorganica chimica acta **2012**, 386, 56-59. https://doi.org/10.1016/j.ica.2012.02.012

293. M. Payehghadr, V. Safarifard, M. Ramazani, A. Morsali,*

Preparation of cadmium oxide nanoparticles from anew one-dimensional cadmium coordination polymer precursor; spectroscopic and thermal analysis studies,
Journal of Inorganic and Organometallic Polymers **2012**, 22, 543-548.
https://doi.org/10.1007/s10904-012-9650-7

294. Sh. Aghabeigi,* F. Bigdeli, A. Morsali,*

Synthesis and characterization of zinc oxide nanoparticles by thermal decomposition of two zinc nitrite coordination polymer precursors,
Journal of Inorganic and Organometallic Polymers **2012**, 22, 526-529.
https://doi.org/10.1007/s10904-011-9575-6

295. K. Akhbari, A. Morsali,*

Preparation of a three-dimensional silver nano-coordination polymer from its single crystals by thermal treatment with oleic acid,
Zeitschrift fur Anorganische und Allgemeine Chemie **2012**, 638, 692-697.
https://doi.org/10.1002/zaac.201100456

296. M. S. Yazdan Parast, A. Morsali,*

Synthesis and characterization of four new thallium tetrazol supramolecular compounds with various secondary interactions,
Dalton Transactions **2012**, 41, 5848-5853. https://doi.org/10.1039/C2DT12259F

297. A. Tahmasian, A. Morsali,*

Ultrasonic synthesis of a 3D Ni metal-organic framework at ambient temperature and pressure; new precursor for synthesis of NiO nano-particles,
Inorganica Chimica acta **2012**, 387, 327-331. https://doi.org/10.1016/j.ica.2012.02.017

298. V. Safarifard, A. Morsali,*

Sonochemical synthesis of a nanoparticles cadmium supramolecular as a precursor for the synthesis of cadmium oxide nanoparticles,
Ultrasonics Sonochemistry **2012**, 19, 1227-1233. https://doi.org/10.1016/j.ultsonch.2012.02.013

299. R. Moosavi, A. R. Abbasi, M. Yousefi, A. Ramazani, A. Morsali,*

Ultrasound-assisted coating of polyester fiber with silver bromide nanoparticles,
Ultrasonics Sonochemistry **2012**, 19, 1221-1226. https://doi.org/10.1016/j.ultsonch.2012.01.002

300. L. Hashemi, A. aslani, A. Morsali,*

Synthesis of a New Lead(II) Coordination Polymers with N-donor Ligand as Precursor for Preparation of PbO Nano-structure; Spectroscopic, Thermal, Fluorescence and Structural Studies,
Journal of Inorganic and Organometallic Polymers **2012**, 22, 867–872.
https://doi.org/10.1007/s10904-012-9668-x

301. M. Sheykhan, Z. Rashidi Ranjbar, A. Morsali,* A. Heydari,*

Minimisation of E-factor in the synthesis of N-hydroxylamines; the role of silver-based coordination polymer,
Green Chemistry **2012**, 14, 1971-1978. https://doi.org/10.1039/C2GC35076A

302. A. Morsali,* A. Panjepour,

Ultrasonic-assisted synthesis of nano-structured lead coordination polymer as a precursor for preparation of lead oxide nanoparticles,
Inorganica Chimica Acta **2012**, 391, 210-217. https://doi.org/10.1016/j.ica.2012.04.024

303. V. Safarifard, A. Morsali,*

Mechanochemical crystal-to-crystal transformations from a 3D lead(II) chloride triazole carboxylate coordination polymer to its bromide/thiocyanate analogs via solid state anion-replacements; precursors for the preparation of lead(II) chloride/bromide/sulfide nanoparticles,
Crystal Engineering Communication **2012**, 14, 5130-5132. https://doi.org/10.1039/C2CE25277E

304. A. Panjepour, A. Morsali*,

Sonochemical Synthesis of a new lead (II) coordination polymer with 2-Quinoline carboxylate ligand: precursor for the preparation of nano-structured lead (II) oxide.
Journal of Inorganic and Organometallic Polymers **2012**, 22, 938–945.
https://doi.org/10.1007/s10904-012-9674-z

305. J. Abedini,* M. Hoseinifard, L. Hashemi, V. Amani, Kh. Kalateh, A. Morsali,*

Thermal and fluorescence properties of new nanostructured Hg(II) -2,2'-bipyridine derivative complexes.
Journal of Inorganic and Organometallic Polymers **2012**, 22, 1221–1227.
https://doi.org/10.1007/s10904-012-9707-7

306. M. S. Yazdanparast, A. Morsali,*

Synthesis and characterization of new zinc (II) coordination polymer with a flexible hetro-coordination ligand via in situ reaction as a new precursor for zinc (II) oxide nano-sphere particles.
Journal of Inorganic and Organometallic Polymers **2012**, 22, 998–1002.
https://doi.org/10.1007/s10904-012-9691-y

307. B. F. Huang, H. Huang, H. P. Xiao,* A. Morsali,*

Cadmium(II) nano-dimensional square grid polymers based on bis(imidazol-1-yl-methyl)benzene,
Journal of coordination chemistry **2012**, 65, 3605-3613.
https://doi.org/10.1080/00958972.2012.720678

308. A. Morsali, A. Panjepour, S. W. Joo,*

Sonochemical Synthesis of Nano-structured Lead(II) coordination polymer with 2-aminonicotinic acid: thermal, structural and x-ray powder diffraction studies,
Journal of Inorganic and Organometallic Polymers **2012**, 22, 1341–1349.
https://doi.org/10.1007/s10904-012-9771-z

309. S. Khanjani, A. Morsali,*

Layer by Layer growth of nano porous lead(II) coordination polymer on natural silk fibers and its application in removal and recovery of iodide,
Crystal Engineering Communication **2012**, 14, 8137-8142. https://doi.org/10.1039/C2CE25696G

310. S. Khanjani, A. Morsali,*

Ultrasound-assisted coating of silk yarn with sphere-like Mn3O4 nanoparticles,
Ultrasonics Sonochemistry **2013**, 20, 413-417. https://doi.org/10.1016/j.ultsonch.2012.07.022

311. J. Wang, J. M. Wang,* B. F. Huang, H.P. Xiao, A. Morsali,*

Synthesis, Crystal structure and photoluminesece properties of two silver(I) coordination polymer with nano size channels based on 2-sulfoterephthalic acid ligand,
Inorganica Chimica Acta **2013**, 394, 466-471. https://doi.org/10.1016/j.ica.2012.08.029

312. Z. Karimi, A. Morsali,*

Modulated formation of metal-organic frameworks by oriented growth over mesoporous shlicat,
Journal of material chemistry A **2013**, 1, 3047-3054. https://doi.org/10.1039/C2TA01565J

313. K. Akhbari, A. Morsali,*

Modulating methane storage in anionic nano-porous MOF material via post-synthetic cation exchange process,
Dalton Transactions **2013**, 42, 4786-4789. https://doi.org/10.1039/C3DT32846E

314. B. F. Huang, H. P. Xiao,* A. Morsali,*

Nano-dimensional square grid, helix chain, interpenetrated double layer and chain of ring structures in new cobalt(II) metal-organic polymers based on 4,4-oxybis-(benzoic acid) and 1,n-bis(imidazol-1-yl-methyl)benzene (n=2,3,4),
Journal of Coordination Chemistry **2013**, 66(5), 904-914.
https://doi.org/10.1080/00958972.2013.769211

315. M. Mohammadi, K. Akhbari, Y. Hanifehpour, A. Morsali,* S. W. Joo,*

Synthesis of one-dimensional Tl2O3 nano-structures from thermolyses of a new two-dimensional thalium(I) supramolecular polymer,
Journal of organometallic chemistry **2013**, 733, 15-20.
https://doi.org/10.1016/j.jorganchem.2013.02.023

316. V. Safarifard, A. Morsali,*

Sonochemical syntheses of nano lead(II) iodide triazole carboxylate coordination polymer,
Inorganica Chimica Acta **2013**, 398, 151-157. https://doi.org/10.1016/j.ica.2012.12.029

317. K. Akhbari, A. Morsali,*

Solid-state structural transformation of two Ag(I) supramulecular polymorphs to another polymer upon absorption of HNO3 vapors,
Inorganic Chemistry **2013**, 52, 2787-2789. https://doi.org/10.1021/ic3008415

318. L. Hashemi, M. hosseinifard, V. Amani, A. Morsali,*

Sonochemicl Synthesis of two new nano-structured cadmium(II) supramolecular complexes, *Journal of Inorganic and Organometallic Polymers* **2013**, 23, 519–524. https://doi.org/10.1007/s10904-012-9786-5

319. V. Safarifard, A. Morsali,* S. W. Joo,*

Sonochemical synthesis and characterization of nano-sized lead(II) 3D coordination polymer, *Ultrasonics Sonochemistry* **2013**, 20, 1254-1260. https://doi.org/10.1016/j.ultsonch.2013.01.014

320. H.P. Xiao, Sh. Aghabeigi, A. Morsali,*

1D, nano-dimensional pore and square grid metal-organic polymers based on 4,4-oxybisbenzoate, *Journal of Coordination Chemistry* **2013**, 66(10), 1821-1829. https://doi.org/10.1080/00958972.2013.790965

321. A. Mehrani, A. Morsali,* P. Ebrahimpour,

Synthesis and structural characterization of zinc(II) coordination compounds with pyterpy, *Journal of Coordination Chemistry* **2013**, 66(5), 856-867. https://doi.org/10.1080/00958972.2013.766334

322. M. hosseinifard, L. Hashemi, V. Amani, A. Morsali,*

Characterization of pure phase Zn(II) oxide nanoparticles *via* thermal decomposition of two zinc(II) complexes of the 6,6′-dimethyl-2,2′-bipyridine ligand, *Journal of Structural Chemistry* **2013**, 54(2), 396-399. https://doi.org/10.1134/S0022476613020182

323. K. Akhbari, A.Morsali,* P. Retailleau,

Effect of two sonochemical procedures on achieving two different morphologies of lead(II) coordination polymer nano-structures, *Ultrasonics Sonochemistry* **2013**, 20, 1428-1435. https://doi.org/10.1016/j.ultsonch.2013.03.013

324. B. F. Huang, H. P. Xiao,* Z. Sharifzadeh , A. Morsali,*

Multinuclear coordination polymers constructed from V-shaped multicarboxylate and bis(imidazol-1-ylmethyl)-benzene ligand,
Inorganica Chimica Acta **2013**, 405, 83-90. https://doi.org/10.1016/j.ica.2013.05.019

325. V Safarifard, A. Morsali,*

Solid state syntheses of nano lead(II) iodide triazole carboxylate coordination polymer from its bromide/thiocyanate/ chloride analoge via mechanochemical transformation,
Inorganica Chimica Acta **2013**, 405, 203-208. https://doi.org/10.1016/j.ica.2013.05.008

326. L. Dolatyari,* P. Seddigi, A. ramazani, G. Amiri A. Morsali,*

A new Zn complex of unusual unidentate coordination of 4,4-bipyridine, a new precursor for the preparation of zinc oxide nanoparticles,
Journal of Structural Chemistry **2013**, 54(3), 571-576.
https://doi.org/10.1134/S0022476613030153

327. D.M. Paqhaleh, L. Hashemi, V. Amani, A. Morsali,* A. A. Aminjanov,*
Synthesis of two new nano-structured mercury(ll) complexes with 4-methyl-4H-1,2,4-triazole-3-thiol ligand by sonochemical method,
Inorganica Chimica Acta **2013**,407, 1-6. https://doi. org/10. 1016/j. ica. 2013. 07. 010

328. J. Wang, V. Safarifard, A.Y. Wang,* Y. Shen, J.M. Cai, A. Morsali,*
PH controlled supramolecular structure of new silver(I) complexes based on 2-sulfoterephthalic acid and 4,4-bipyridine,
Inorganica Chimica Acta **2013**,407, 216-222. https://doi. org/10. 1016/j. ica. 2013. 07. 056

329. M. Payeghadr,* A. Morsali,
Thermolysis preparation of cadmium (II) oxide nanoparticles from a new three-dimensional cadmium (II) supramolecular compound,
Journal of Structural Chemistry **2013**, 54(4), 787-791. https://doi. org/10. 1134/S0022476613040197

330. M.Y. Masoomi, A. Morsali,*
Morphological study and potential applications of nano metal-organic coordination polymers,

RSC advances **2013**, 3, 19191-19218. https://doi. org/10. 1039/C3RA43346C

331. L. Hashemi, A. Morsali,
Solid state structural transformation of 1D to intermediate 2D and then to 3D porous coordination polymer by anion replacement; new precursors for preparation of PbCl2, Pb3O2Cl2 and PbO nanoparticles,
Crystal engineering communications **2013,** 15, 8894-8897. https://doi. org/10. 1039/C3CE41566J

332. M. L. Hu,* V. Safarifard, A. Morsali,* T.L. Shao, X.C. Li,
Facile fabrication of ruthenium (IV) oxide nanostructures by thermal decomposition of two new organoruthenium (II) complexes,
Inorganica Chimica Acta **2013**, 407, 189-192. https://doi. org/10. 1016/j. inoche. 2013. 09. 063

333. K. Akhbari, A. Morsali,*
Solid and solution state structural transformation in flexible lead(II) supramolecular polymers,
Crystal engineering communications **2013**, 15, 8915-8918. https://doi. org/10. 1039/C3CE41171K

334. L. Hashemi, A. Morsali,*
Solid state structural transformation pf 1D to intermediate 2D and then to 3D porous coordination polymer by anion replacement; new precursors for preparation of PbCl2, Pb3 O2Cl2 and PbO nanoparticles,
Crystal engineering communications **2013**,15, 8894-8897. https://doi. org/10. 1039/C3CE41566J

335. A. Tahmasian, V. Safarifard, A. Morsali,* S. W. Joo,*
Sonochemical syntheses of a new fibrous-like nano-scale strontium(II) 3D ccordination polymer; precursor for the fabrication of a strontium carbonate nanostructure,
Polyhedron **2014**, 67, 81-88. https://doi. org/10. 1016/j. poly. 2013. 08. 058

336. V. Safarifard, A. Morsali,*
Sonochemical synthesis of a new fibrous-like nano-scale manganese(II) ccordination supramolecular compound ; precursor for the fabrication of octahedral-like Mn3O4 nanostructure,
Ultrasonics Sonochemistry **2014**,21, 253-261. https://doi. org/10. 1016/j. ultsonch. 2013. 05. 015

337. S. Rostamnia,* A. Morsali,
Basic isoretricular nanoporous metal-organic framework for Biginelli and Hantzsch coupling: IRMOF-3 as a green and recoverable heterogeneous catalyst in solvent-free conditions,
RSC advances **2014**, 4, 10514-10518. https://doi. org/10. 1039/C3RA46709K

338. L. Hashemi, A. Morsali, S. WooáJoo,
Mechanochemical solid state anion-exchange of lead(II) coordination polymer via an intermediate coordination polymer; new precursors for the preparation of PbBr2/Pb3O2Br2, PbBr(OH) and PbO nanoparticles ,
Dalton transactions **2014**, 43, 1489-1492. https://doi. org/10. 1039/C3DT51533H

339. M. A. Alavi, A. Morsali,*
Ultrasound assisted synthesis of {[Cu2 (BDC)2 (dabco)]. 2DMF. 2H2O} nanostructures in the presence of modulator ; new precursor to prepare nano copper oxides,
Ultrasonics Sonochemistry **2014**,21, 674-680. https://doi. org/10. 1016/j. ultsonch. 2013. 09. 017

340. N. Motakef-Kazemi, S. A. Shojaosadati,* A. Morsali,*
In situ synthesis of a drug-loaded MOF at room temperature,
Microporous and Mesoporous Materials **2014**,186, 73-79. https://doi. org/10. 1016/j. micromeso. 2013. 11. 036

341. N. Nasihat Sheno, A. Morsali,* S. W Joo,*
Synthesis CuO nanoparticles from a copper(II) metal-organic framework precursor,
Materials Letters **2014**,117, 31-33. https://doi. org/10. 1016/j. Materials Letters 2013. 11. 096

342. R. Rahimi,* A. Maleki, S. Maleki, A. Morsali,M. J. Rahimi,
Synthesis and characterization of magnetic dichromate hybrid nanomaterials with triphenylphosphine surface modified iron oxide nanoparticles (Fe3O4@SiO2@PPh3@Cr2O72-),
Solid State Sciences **2014**, 28, 9-13. https://doi. org/10. 1016/j. solidstatesciences. 2013. 11. 013

343. S. Rostamnia,* A. Morsali,*
Size-controlled crystalline basic nanoporous coordination polymers of Zn4O(H2N-TA)3: Catalytically study of IRMOF-3 as a suitable and green catalyst for selective synthesis of tetrahydro-chromenes,

Inorganica Chimica Acta **2014**, 411, 113-118. https://doi. org/10. 1016/j. ica. 2013. 12. 002

344. Sh. Hojaghani, M. Hosseyni Sadr, A. Morsali,*
Sonochemical synthesis of a Cobalt(II) Coordination Polymer Nano-structure With Azo ligand: A new Precursor for Preparation Pure Phase of Co3O4,
Nanostructure **2013**,3,109-114. https://doi. org/10. 7508/JNS. 2013. 01. 013

345. A. Morsali,* V. Safarifard,
Irreversible Crystal to Crystal Transformation of Nano Lead(II) Coordination Polymer by Solid State Anion-replacement,
Advanced Materials Research **2014**,875, 208-212. https://doi. org/10. 4028/www. scientific. net/AMR. 875-877. 208

346. Sh. Hojaghani, M. Hossayni Sadr, A. Morsali,*
Ultraconic-assisted synthesis of copper(II) azo coordination polymers, new precursors for direct preparation of metallic copper nano-particles,
Dyes and Pigments **2014**,104, 204-210. https://doi. org/10. 1016/j. dyepig. 2013. 12. 014

347. J. Mollaee, F. Molaei, A. Morsali,* S. W. Joo,* G. Bruno, HA. Rudbari,
Giuseppe Bruno, Hadi Amiri Rudbari, Preparation of silver nanostructures from a new benzopyrazine silver(I) nitrate coordination polymer,
Inorganic Chemistry Communications **2014**, 43, 67-69. https://doi. org/10. 1016/j. inoche. 2014. 01. 018

348. M. A. Alavi, A. Morsali,*
Synthesis and characterization of different nanostructured copper(II) metal-organic frameworks by a ligand functionalization and modulation method,
Crystal engineering communications **2014**, 16, 2246-2250. https://doi. org/10. 1039/C3CE42390E

349. H. Wang, V. Safarifard, S.Y. Wang, L.H. Tu, H.P. Xiao,* B.F. Huang, X.H. Li, M. Payehghadr, A. Morsali,*
Five copper (ii) metal–organic coordination complexes with micro-channels based on flexible bis (imidazole) and carboxybenzaldehyde ligands; structural influence of experimental conditions on their frameworks,

RSC advances **2014**,4, 11423. https://doi. org/10. 1039/C3RA47177B

350. Z. Sharifzadeh, S. Abedi, A. Morsali,*
Fabrication of novel multi-morphological tetrazole-based infinite coordination polymers; transformation studies and their calcinations to mineral zinc oxide nano- and microarchitectures,
Journal of materials chemistry. A **2014**, 2, 4803. https://doi. org/10. 1039/C3TA14904H

351. A. Mehrani, A. Morsali,* Y. Hanifehpour, S.W. Joo,*
Sonochemical temperature controlled synthesis of pellet- ,laminate- and rice grain-like morphologies of a Cu(II) porous metal organic framework nano-structures,
Ultrasonics Sonochemistry **2014**, 21, 1430-1434. https://doi. org/10. 1016/j. ultsonch. 2014. 01. 011

352. M. Bagherzadeh,* F. Ashouri, L. Hashemi, A. Morsali,
Supported Pd nanoparticles on Mn-based metal-organic coordination polymer: Efficient and recyclable heterogeneous catalyst for Mizoroki-Heck cross coupling reaction of terminal alkenes,
Inorganic Chemistry Communications **2014**, 44, 10-14. https://doi. org/10. 1016/j. inoche. 2014. 02. 045

353. S. Khanjani, A. Morsali,*
Ultrasound-promoted coating of MOF-5 on silk fiber and study of adsorptive removal and recovery of hazardous anionic dye “congo red”,
Ultrasonics Sonochemistry **2014**, 21, 1424-1429. https://doi. org/10. 1016/j. ultsonch. 2013. 12. 012

354. L. Hashemi, A. Morsali,*
Solid state and sonochemical syntheses of nano lead(II) chloride and bromide coordination polymers from its nitrate analog via mechanochemical crystal to crystal transformations,
Ultrasonics Sonochemistry **2015**, 21, 1417-1423. https://doi. org/10. 1016/j. ultsonch. 2013. 12. 009

355. S. Hojaghani, K. Akhbari, M. Hossaini sadr, A. Morsali, *
Sonochemical syntheses of one-dimensional silver (I) supramolecular polymer: A precursor for preparation of silver nanostructure,
Inorganic Chemistry Communications **2014**, 44, 1-5. https://doi. org/10. 1016/j. inoche. 2014. 02. 030

356. H. Huang, M. Payehghadr, J. Wang, H.P. Xiao,* A.Y. Wang, X.H. Li, A. Morsali,*
Synthesis, Characterization and Photoluminescence Properties of Silver(I) Metal-Organic Polymers with

anochannels Based on 2-Sulfoterephthalic Acid and Di(pyridine-2-yl)amine Ligands,
Helvetica Chimica Acta **2014**, 97,345-354. https://doi. org/10. 1002/hlca. 201300156

357. L. Hashemi, A. Morsali,*
Solid state structural transformation of bromide coordination polymer to chloride by anion replacement; new precursors for preparation of PbBr2 and PbCl2 nanoparticles,
RSC advances **2014**, 4, 17265-7. https://doi. org/10. 1039/C4RA01579G

358. Z. Rashidi Ranjbar,* A. Morsali,* M. Ghoreishi Amiri,
Spectroscopic, Thermal, and Structural Studies of Two Co-Crystals of [4,4'-bithiazole]-2,2'-diamine,
Heletica Chimica Acta **2014**,97,701-707. https://doi. org/10. 1002/hlca. 201300266

359. X.L. Wang. L. Hashemi, L.H. Tu, S.Y. Wang, Yi. Shen, B.F. Huang, H.P. Xiao,* V. Safarifard, A. Morsali, *
Synthesis, crystal structures and characterization of three cadmium(II) metal-organic coordination complexes constructed from flexible bis(imidazole) and carboxybenzaldehyde ligands,
Journal of Molecular Structure **2014**,1068, 149-154. https://doi. org/10. 1016/j. molstruc. 2014. 03. 063

360. L. Hashemi, A. Morsali,*
A new lead (II) nanoporous three-dimensional coordination polymer: pore size effect on iodine adsorption affinity,
Crystal engineering communications **2014**,16, 4955. https://doi. org/10. 1039/C4CE00454J

361. B. Cheng, L. Hashemi, M.L. Hu,* A. Morsali,*
Preparation of Ag2O/PbO and Ag/PbO nanostructure by direct thermolyses of a metal-organic framework,
Chemical Engineering Journal **2014**,249, 210-215. https://doi. org/10. 1016/j. cej. 2014. 03. 039

362. S. Abedi, A. Morsali,*
Ordered Mesoporous Metal-Organic Frameworks Incorporated with Amorphous TiO2 As Photocatalyst for Selective Aerobic Oxidation in Sunlight Irradiation,
ACS catalysis **2014**, 4, 1398-1403. https://doi. org/10. 1021/cs500123d

363. M.Y. Masoomi, K.C. Stylianou, A. Morsali, P. Retailleau, D. Maspoch,
Selective Co2 Capture in Metal-Organic Frameworks with Azine-Functionalized Pores Generated by Mechanosynthesis,
Crystal Growth and Design **2014**,14, 2092-2096. https://doi. org/10. 1021/cg500033b

364. K. Akhbari,* S. Beheshti, A. Morsali,* V.T. Yilmaz, O. Büyükgüngör,
Holodirected coordination sphere around lead (II) in three-dimensional polymeric structure; New precursor for preparation of lead oxide sulfate nano-structures,
Journal of molecular structure **2014**, 1074, 279–283. https://doi. org/10. 1016/j. molstruc. 2014. 06. 004

365. L. Hashemi, A. Morsali,* O. Büyükgüngor,
Anion influence on transformations of a nonporous 3D to porous 3D coordination polymer,
New journal of chemistry **2014**,38,3187. https://doi. org/10. 1039/C4NJ00175C

366. L. Hashemi, A. Morsali,* VT. Yilmaz, O. Büyükgüngor, HR. Khavasi, F. Ashouri, M. Bagherzadeh,
Sonochemical syntheses of two nano-sized lead(II) metal–organic frameworks; application for catalysis and preparation of lead(II) oxide nanoparticles,
Journal of molecular structure **2014**, 1072, 260-266. https://doi. org/10. 1016/j. molstruc. 2014. 05. 021

367. A. Mehrani, A. Morsali,*
Synthesis and crystal structures of mercury (II) and cadmium (II) coordination compounds using 4′-(4-pyridyl)-2, 2′:6′,2′-terpyridine ligand and their thermolysis to nanometal oxides,
Journal of molecular structure **2014**,1074,596-601. https://doi. org/10. 1016/j. molstruc. 2014. 05. 071

368. L. Hashemi, A. Morsali,* F. Marandi, I. Pantenburgc , A. Azhdari Tehrani,
Dynamic crystal-to-crystal transformation of 1D to 2D lead(II) coordination polymers by de- and rehydration with no change in the morphology of nano-particles,
New journal of chemistry **2014**,38,3175. https://doi. org/10. 1039/C4NJ00096J

369. S. Beheshti, A. Morsali,*
Post-modified anionic nano-porous metal–organic framework as a novel catalyst for solvent-free Michael addition reactions,

RSC Advances **2014**, 4 (70), 37036-37040. https://doi. org/10. 1039/C4RA05226A

370. Z.J. Li, S. K. Khani, K. Akhbari, A. Morsali,* P. Retailleau,
Achieve to easier opening of channels in anionic nanoporous metal–organic framework by cation exchange process,
Microporous and Mesoporous Materials **2014**,199,93-98. https://doi. org/10. 1016/j. micromeso. 2014. 08. 010

371. M.A. Alavi, A. Morsali,*
Ultrasound assisted synthesis of {[Cu2 (BDC)2(dabco)]. 2DMF. 2H2O} nanostructures in the presence of modulator; new precursor to prepare nano copper oxides,
Ultrasonics Sonochemistry **2015**, 22,349-358. https://doi. org/10. 1016/j. ultsonch. 2013. 09. 017

372. M.Y. Masoomi, S. Beheshti, A. Morsali,*
Mechanosynthesis of new azine-functionalized Zn (II) metal–organic frameworks for improved catalytic performance,
Journal of materials chemistry. A. **2014**, 2, 16863-16866. https://doi. org/10. 1039/C4TA04001E

373. S. Beheshti, A. Morsali,*
Post-synthetic cation exchange in anionic metal–organic frameworks; a novel strategy for increasing the catalytic activity in solvent-free condensation reactions,
RSC Advances **2014**, 4 (79), 41825-41830. https://doi. org/10. 1039/C4RA08142K

374. V. Safarifard and A. Morsali,*
Influence of an amine group on the highly efficient reversible adsorption of iodine in two novel isoreticular interpenetrated pillared-layer microporous metal–organic frameworks,
Crystal engineering communications **2014**,16, 8660-8663. https://doi. org/10. 1039/C4CE01331J

375. K. Akhbari, S. Beheshti, A. Morsali,* G. Bruno, H.A. Rudbari,
How the two factors of concentration and ultrasonic wave power affect on formation of kinetically or thermodynamically stable lead (II) complex nano-structures,
Inorganica Chimica Acta **2014**, 423, 101-105. https://doi. org/10. 1016/j. ica. 2014. 08. 003

376. Y. Hanifehpour, A. Morsali,* B. Mirtamizdoust, S.W. Joo,*
Sonochemical synthesis of tri-nuclear lead(II)-azido nano rods coordination polymer with 3,4,7,8-tetramethyl-1,10-phenanthroline (tmph): Crystal structure determination and preparation of nano lead(II) oxide,
Journal of molecular structure **2015**, 1079, 67-73. https://doi. org/10. 1016/j. molstruc. 2014. 09. 016

377. M.Y. Masoomi, A. Morsali and P.C. Junk,
Ultrasound assisted synthesis of a Zn(II) metal–organic framework with nano-plate morphology using non-linear dicarboxylate and linear N-donor ligands,
RSC Advances **2014**,4, 47894-47898. https://doi. org/10. 1039/C4RA09186H

378. B. Cheng, F. ZareKarizi, M.L. Hu ,* A. Morsali,*
Cation-exchange process in an anionic metal–organic framework: New precursors for facile fabrication of ZnO nanostructures,
Materials Letters **2014**. 137,88-91 . https://doi. org/10. 1016/j. Materials Letters 2014. 08. 116

379. B. Cheng, A. Azhdari Tehrani, M.L. Hu ,* A. Morsali,*
Supramolecular assemblies of Ru(II) organometallic half-sandwich complexes,
Crystal engineering communications **2014**,16, 9125-9134. https://doi. org/10. 1039/C4CE01214C

380. F. ZareKarizi, V. Safarifard, S. K. Khani, A. Morsali,*
Ultrasound-assisted synthesis of nano-structured 3D zinc(II) metal–organic polymer: Precursor for the fabrication of ZnO nano-structure,
Ultrasonics Sonochemistry **2015**,23,238-245. https://doi. org/10. 1016/j. ultsonch. 2014. 09. 005

381. Y. Hanifehpour, B Mirtamizdoust, A. Morsali,* S.W. Joo,*
Sonochemical syntheses of binuclear lead(II)-azido supramolecule with ligand 3,4,7,8-tetramethyl-1,10-phenanthroline as precursor for preparation of lead(II) oxide nanoparticles,
Ultrasonics Sonochemistry. **2015**,23,275-281. https://doi. org/10. 1016/j. ultsonch. 2014. 10. 022

382. A Morsali, H. Hosseini Monfared, A. Morsali,* C. Janiak,
Ultrasonic irradiation assisted syntheses of one-dimensional di(azido)-dipyridylamine Cu(II) coordination polymer nanoparticles,

Ultrasonics Sonochemistry **2015**,23,208-2011. https://doi. org/10. 1016/j. ultsonch. 2014. 06. 005

383. Y. Hanifehpour, V. Safarifard, A. Morsali,* B Mirtamizdoust, S.W. Joo,*
Sonochemical syntheses of two new flower-like nano-scale high coordinated lead(II) supramolecular coordination polymers,
Ultrasonics Sonochemistry **2015**,23,282-288. https://doi. org/10. 1016/j. ultsonch. 2014. 10. 011

384. L. Hashemi, A. Morsali,*
Highly efficient syntheses of nano mixed-anions lead(II) thiocyanate/nitrate and lead(II) thiocyanate coordination polymers by sonochemical process,
Ultrasonics Sonochemistry **2015**,24,146-149. https://doi. org/10. 1016/j. ultsonch. 2014. 12. 005

385. K. Akhbari, A. Morsali,*
Needle-like hematite nano-structure prepared by directed thermolysis of MIL-53 nano-structure with enhanced methane storage capacity,
Materials Letters **2015**, 141, 315-318. https://doi. org/10. 1016/j. Materials Letters 2014. 11. 110

386. E. Tahmasebi, M.Y. Masoomi, Y. Yamini, A. Morsali,*
Application of Mechanosynthesized Azine-Decorated Zinc(II) Metal-Organic Frameworks for Highly Efficient Removal and Extraction of Some Heavy-Metal Ions from Aqueous Samples: A Comparative Study.
Inorganic chemistry **2015**, 54, 425-433. https://doi. org/10. 1021/ic5015384

387. M.Y. Masoomi, A. Morsali,* P.C.junck,
Rapid mechanochemical synthesis of two new Cd(II)-based metal–organic frameworks with high removal efficiency of Congo red,
Crystal engineering communications **2015**,17,686-692. https://doi. org/10. 1039/C4CE01783H

388. A. Morsali, H. Hosseini-Monfared, A. Morsali,* P. Mayer,
Sonochemical synthesis and characterization of new one-dimensional manganese(II) coordination polymer nanostructures,
Ultrasonics Sonochemistry **2015**. 11. 011. https://doi. org/10. 1016/j. ultsonch. 2014. 11. 011

389. S. Abedi and A. Morsali,*
Improved photocatalytic activity in a surfactant-assisted synthesized Ti-containing MOF photocatalyst under blue LED irradiation,
New Journal of Chemistry **2015**, 39, 931-937. https://doi. org/10. 1039/C4NJ01536C

390. V. Safarifard, S. Beheshti, A. Morsali,*
An interpenetrating amine-functionalized metal–organic framework as an efficient and reusable catalyst for the selective synthesis of tetrahydro-chromenes,
Crystal engineering communications **2015**, 17, 1680-1685. https://doi. org/10. 1039/C4CE02141J

391. S. Abedi, A. Morsali,*
Improved photocatalytic activity in a surfactant-assisted synthesized Ti-containing MOF photocatalyst under blue LED irradiation,
New Journal of Chemistry **2015**, 39 (2), 931-937. https://doi. org/10. 1039/C4NJ01536C

392. K. Akhbari,* A. Morsali,*
Direct Synthesis of Lead and Lead Chloride Nanoparticles via Simple One-Pot Calcination of One-Dimensional Lead(II) Coordination Polymer,
Journal of Inorganic and Organometallic Polymers and Materials **2015**, 25 (4), 930-935. https://doi. org/10. 1007/s10904-015-0192-7

393. A. Azhdari Tehrani, A. Morsali,* M. Kubicki,
The role of weak hydrogen and halogen bonding interactions in the assembly of a series of Hg(II) coordination polymers,
Dalton Transactions **2015**, 44 (12),5703-5712. https://doi. org/10. 1039/C4DT03638G

394. K. Akhbari, A. Morsali,*
Mechanochemical synthesis and characterization of kinetically and thermodynamically stable polymorphs of a lead(II) coordination polymer,
Inorganica Chimica Acta **2015**, 429,109-113. https://doi. org/10. 1016/j. ica. 2015. 01. 037

395. V. Safarifard, A. Morsali, *
Applications of ultrasound to the synthesis of nanoscale metal-organic coordination polymers,

Coordination Chemistry Reviews **2015**, 292, 1-14. https://doi. org/10. 1016/j. ccr. 2015. 02. 014

396. M.Y. Masoomi, S. Beheshti, A. Morsali,*
Shape control of Zn(II) metal-organic frameworks by modulation synthesis and their morphology-dependent catalytic performance,
Crystal Growth and Design **2015**, 15 (5), 2533-2538. https://doi. org/10. 1021/acs. cgd. 5b00304

397. A.R Abbasi, A .Azadbakht, A. Morsali,* V. Safarifard,
Synthesis and characterization of TMU-16-NH2 metal-organic framework nanostructure upon silk fiber: Study of structure effect on morphine and methyl orange adsorption affinity,
Fibers and Polymers **2015**, 16 (5), 1193-1200. https://doi. org/10. 1007/s12221-015-1193-4

398. M. Bigdeli, A. Morsali,*
Sonochemical synthesis of a nano-structured zinc(II) amidic pillar metal-organic framework,
Ultrasonics Sonochemistry **2015**, 27,416-422. https://doi. org/10. 1016/j. ultsonch. 2015. 05. 034

399. Hakimifar, A. Morsali,*
Reversible solid-gas and solid-solid transformation of lead(II)-phenylalanine coordination polymers,
Inorganica Chimica Acta **2015**, 435, 16569, 25-29. https://doi. org/10. 1016/j. ica. 2015. 06. 004

400. H. Ghasempour, A. Azhdari Tehrani, A. Morsali,*
Ultrasonic-assisted synthesis and structural characterization of two new nano-structured Hg(II) coordination polymers,
Ultrasonics Sonochemistry **2015**, 27, 503-508. https://doi. org/10. 1016/j. ultsonch. 2015. 06. 020

401. S. Abedi, AA, Tehrani, A. Morsali,*
Mechanochemical synthesis of isoreticular metal-organic frameworks and comparative study of their potential for nitrobenzene sensing,
New Journal of Chemistry 2015,39 (7), **5108**-5111. https://doi. org/10. 1039/C5NJ00153F

402. AA. Tehrani, V. Safarifard, A. Morsali,* G. Bruno, HA. Rudbari,
Ultrasound-assisted synthesis of metal-organic framework nanorods of Zn-HKUST-1 and their templating effects for acile fabrication of zinc oxide nanorods via solid-state transformation,
Inorganic Chemistry Communications **2015**, 59, 6033, 41-45. https://doi. org/10. 1016/j. inoche. 2015.

06. 028

403. AR. Abbasi,* M. Yousefshahi, A. Azadbakht, A. Morsali, MY. Masoomi,
Methyl orange removal from wastewater using [Zn2 (oba) 2(4-bpdh)]·3DMF metal–organic frameworks nanostructures,
Journal of Inorganic and Organometallic Polymers and Materials **2015**, 25 (6),1582-1589. https://doi. org/10. 1007/s10904-015-0262-x

404. S. Hojaghani, M. Hosaini Sadr, A. Morsali,*
Sonochemical synthesis of two new copper(II) complexes with azo ligands derived from anthranilic acid and β-naphtol,
Ultrasonics Sonochemistry **2015**, 26,305-311. https://doi. org/10. 1016/j. ultsonch. 2015. 02. 009

405. F. Molaei, F. Bigdeli, A. Morsali,* SW. Joo, * G. Bruno, HA. Rudbari,
Synthesis and characterization of different zinc (II) oxide nano-structures from two new zinc (II)–Quinoxaline coordination polymers.
Journal of Molecular Structure **2015**, 1095, 8-14. https://doi. org/10. 1016/j. molstruc. 2015. 03. 070

406. Y. Hou, MY. Masoomi, M. Bagheri, A. Morsali,* S.W. Joo,*
Two reversible transformable mercury(II) coordination polymers as efficient adsorbents for removal of dibenzothiophene,
RSC Advances **2015**, 5 (99), 81356-81361. https://doi. org/10. 1039/C5RA12686J

407. Z.R. Ranjbar, A. Morsali,*
Synthesis, experimental and theoretical studies of two cocrystals in 1:1 stoichiometric ratio from 4,4′-bithiazole-2,2′-diamine with two hydrogen acceptor molecules,
Journal of Chemical Sciences **2015**,127 (11), 2015-2021. https://doi. org/10. 1007/s12039-015-0972-1

408. A. Azhdari Tehrani, H. Ghasempour,A. Morsali,* G. Makhloufi, C. Janiak,
Effects of Extending the φ-Electron System of Pillaring Linkers on Fluorescence Sensing of Aromatic Compounds in Two Isoreticular Metal-Organic Frameworks,
Crystal Growth and Design **2015**, 15 (11),5543-5547. https://doi. org/10. 1021/acs. cgd. 5b01175

409. T. Hajiashrafi,* A. Morsali,* M. ,Kubicki,
Two new Cd(II) and Hg(II) coordination polymers containing 4-halo-N-(pyridin-4-ylmethylene)aniline ligands: Synthesis, nanostructure synthesis and crystal structure analysis,
Polyhedron **2015**, 100,257-263. https://doi. org/10. 1016/j. poly. 2015. 08. 031

410. M. Y. Masoomi, M. Bagheri, A. Morsali,*
Application of Two Cobalt-Based Metal-Organic Frameworks as Oxidative Desulfurization Catalysts,
Inorganic Chemistry **2015**, 54 (23),11269-11275. https://doi. org/10. 1021/acs. inorgchem. 5b01850

411. Jamali, AA. Tehrani, F. Shemirani,* A. Morsali,*
Lanthanide metal-organic frameworks as selective microporous materials for adsorption of heavy metal ions,
Dalton Transactions **2016**,45 (22),9193-9200. https://doi. org/10. 1039/C6DT00782A

412. S. Abedi, A. Azhdari Tehrani, H. Ghasempour, A. Morsali,
Interplay between hydrophobicity and basicity toward the catalytic activity of isoreticular MOF organocatalysts,
New Journal of Chemistry, **2016**, 40 (8), 6970-6976. https://doi. org/10. 1039/C6NJ00480F

413. N. Motakef-Kazemi, S. A. Shojaosadati,* A. Morsali,
Evaluation of the effect of nanoporous nanorods Zn2(bdc)2(dabco) dimension on ibuprofen loading and release,
Journal of the Iranian Chemical Society **2016**,13 (7),1205-1212. https://doi. org/10. 1007/s13738-016-0835-9

414. R. Rahimi, *, S. Zargari, A. Ghaffarinejad, A. Morsali,
Investigation of the synergistic effect of porphyrin photosensitizer on graphene–TiO2nanocomposite for visible light photoactivity improvement,
Environmental Progress and Sustainable Energy **2016**,35 (3),642-652. https://doi. org/10. 1002/ep. 12267

415. E. Tahmasebi, M. Y. Masoomi, Y. Yamini, A. Morsali,*
Application of a Zn(ii) based metal-organic framework as an efficient solid-phase extraction sorbent for preconcentration of plasticizer compounds,

RSC Advances **2016**, 6 (46),40211-40218. https://doi. org/10. 1039/C6RA06560K

416. K. Akhbari, N. B. Bahman, A. Morsali, P. Retailleau,
The effect of thermolysis temperatures of two silver(I) supramolecular polymers on the formation of silver nanostructures,
Journal of the Iranian Chemical Society **2016**, 13 (1),165-169. https://doi. org/10. 1007/s13738-015-0724-7

417. M. Y. Masoomi, M. Bagheri, A. Morsali,*
High efficiency of mechanosynthesized Zn-based metal-organic frameworks in photodegradation of congo red under UV and visible light,
RSC Advances **2016**, 6 (16),13272-13277. https://doi. org/10. 1039/C5RA24238J

418. S. A. Nasehi, A. Uromeihy,* M. R. Nikudel, A. Morsali,
Influence of Gas Oil Contamination on Geotechnical Properties of Fine and Coarse-Grained Soils,
Geotechnical and Geological Engineering **2016**,34 (1),333-345. https://doi. org/10. 1007/s10706-015-9948-7

419. L. Aboutorabi, A. Morsali,*
Structural transformations and solid-state reactivity involving nano lead(II) coordination polymers via thermal, mechanochemical and photochemical approaches,
Coordination Chemistry Reviews **2016**, 310,116-130. https://doi. org/10. 1016/j. ccr. 2015. 10. 006

420. S. Zargari, R. Rahimi, A. Ghaffarinejad, A. Morsali,*
Enhanced visible light photocurrent response and photodegradation efficiency over TiO2-graphene nanocomposite pillared with tin porphyrin,
Journal of Colloid and Interface Science **2016** , 466,310-321. https://doi. org/10. 1016/j. jcis. 2015. 12. 046

421. H. Ghasempour, A. Azhdari Tehrani, A. Morsali,* J. Wang, Junk, P. C. ,
Two pillared metal-organic frameworks comprising a long pillar ligand used as fluorescent sensors for nitrobenzene and heterogeneous catalysts for the Knoevenagel condensation reaction,
Crystal engineering communications **2016**, 18 (14),2463-2468. https://doi. org/10. 1039/C6CE00108D

422. S. Aghabeygi,* L. Hashemi, A. Morsali,*
Synthesis and Characterization of ZnO Nano-rods via Thermal Decomposition of Zinc(II) Coordination Polymers and Their Photocatalytic Properties,
Journal of Inorganic and Organometallic Polymers and Materials **2016**, 26 (3),495-499. https://doi. org/10. 1007/s10904-015-0312-4

423. S.A. Nasehi, A. Uromeihy,* M.R. Nikudel, A. Morsali,
Use of nanoscale zero-valent iron and nanoscale hydrated lime to improve geotechnical properties of gas oil contaminated clay: a comparative study,
Environmental Earth Sciences **2016**, 75 (9), 733. https://doi.org/10.1007/s12665-016-5443-6

424. L. Aboutorabi, A. Morsali,* E. Tahmasebi, O. Buyukgungor,
Metal–organic framework based on isonicotinate N-oxide for fast and highly efficient aqueous phase Cr (VI) adsorption.
Inorganic chemistry **2016**, 55 (11), 5507-5513. https://doi.org/10.1021/acs.inorgchem.6b00522

425. Y. Hanifehpour, V. Safarifard, A. Morsali,* B. Mirtamizdoust, S.W. Joo,*
Ultrasound-assisted fabrication of a new nano-rods 3D copper(II)-organic coordination supramolecular compound,
Ultrasonics Sonochemistry 2016, 31, 201-205. https://doi.org/10.1016/j.ultsonch.2015.12.020

426. X.W. Yan, E. Haji-Hasani, A. Morsali,*
Syntheses and structural characterization of two new nanostructured Bi(III) supramolecular polymers via sonochemical method,
Ultrasonics Sonochemistry **2016**, 31, 129-134. https://doi.org/10.1016/j.ultsonch.2015.11.014

427. M. Y. Masoomi, M. Bagheri, A. Morsali,* P. C. Junk,*.,
High photodegradation efficiency of phenol by mixed-metal–organic frameworks.
Inorganic Chemistry Frontiers **2016**, 3 (7), 944-951. https://doi.org/10.1039/C6QI00067C

428. M.L. Hu,* L. Hashemi, A. Morsali,*
Pore size and interactions effect on removal of dyes with two lead(II) metal-organic frameworks,
Materials Letters **2016**, 175, 1-4. https://doi.org/10.1016/j.matlet.2016.03.100

429. Z. Saedi, V. Safarifard, A. Morsali,*
Dative and covalent-dative postsynthetic modification of a two-fold interpenetration pillared-layer MOF for heterogeneous catalysis:
A comparison of catalytic activities and reusability, Microporous and Mesoporous Materials **2016**, 229, 51-58. https://doi.org/10.1016/j.micromeso.2016.04.017

430. M.Y. Masoomi, A. Morsali,*
Sonochemical synthesis of nanoplates of two Cd(II) based metal-organic frameworks and their applications as precursors for preparation of nano-materials,
Ultrasonics Sonochemistry **2016**, 28, 240-249. https://doi.org/10.1016/j.ultsonch.2015.07.017

431. L. Tao, Q. Miao, A. A. Tehrani, T. Hajiashrafi, M.-L. Hu,* A. Morsali,*
Cationic half-sandwich Ru (II) complexes containing (N, N)-bound Schiff-base ligands:
Synthesis, crystal structure analysis and spectroscopic studies. Journal of Molecular Structure ***2016***, 1118, 48-55. https://doi.org/10.1016/j.molstruc.2016.03.091

432. M. Bagheri, M. Y. Masoomi, A. Morsali,*
Schoedel, A., Two dimensional host–guest metal–organic framework sensor with high selectivity and sensitivity to picric acid.
ACS applied materials & interfaces **2016**, 8 (33), 21472-21479. https://doi.org/10.1021/acsami.6b06955

433. F. Marandi,* L. Hashemi, A. Morsali,* H. Krautscheid,
Synthesis and Characterization of Pure Phase Zn(II) and Cd(II) Oxide Nanoparticles via Thermal Decomposition of Four New Zn(II) and Cd(II) Coordination Polymers,
Journal of Inorganic and Organometallic Polymers and Materials **2016**, 26 (5), 962-974. https://doi.org/10.1007/s10904-016-0403-x

434. F. Marandi,* L. Hashemi, A. Morsali,* H. Krautscheid,
Sonochemical synthesis and characterization of three nano zinc(II) coordination polymers; Precursors for preparation of zinc(II) oxide nanoparticles,
Ultrasonics Sonochemistry **2016**, 32, 86-94. https://doi.org/10.1016/j.ultsonch.2016.02.022

435. L. Aboutorabi, A. Morsali,*
Sonochemical synthesis of two new nano lead(II) coordination polymers: Evaluation of structural

transformation via mechanochemical approach,
Ultrasonics Sonochemistry **2016**, 32, 31-36. https://doi.org/10.1016/j.ultsonch.2016.01.023

436. F. Bigdeli, S. Abedi, H. Hosseini-Monfared,* A. Morsali,*
An investigation of the catalytic activity in a series of isoreticular Zn(II)-based metal-organic frameworks,
Inorganic chemistry communications **2016**, 72, 122-127. https://doi.org/10.1016/j.inoche.2016.08.010

437. V. Safarifard, S. Rodríguez-Hermida, V. Guillerm, I. Imaz, M. Bigdeli, A.A. Tehrani, J. Juanhuix, A. Morsali,* M.E. Casco, J. Silvestre-Albero, E.V. Ramos-Fernandez, D. Maspoch,*
Influence of the Amide Groups in the CO2/N2 Selectivity of a Series of Isoreticular, Interpenetrated Metal-Organic Frameworks,
Crystal Growth and Design **2016**, 16 (10), 6016-6023. https://doi.org/10.1021/acs.cgd.6b01054

438. M.Y. Masoomi, M. Bagheri, A. Morsali,*
High adsorption capacity of two Zn-based metal-organic frameworks by ultrasound assisted synthesis,
Ultrasonics Sonochemistry **2016**, 33, 54-60. https://doi.org/10.1016/j.ultsonch.2016.04.013

439. P. Hayati, A.R. Rezvani,* A. Morsali,* P. Retailleau, S. García-Granda,
Influences of temperature, power ultrasound and reaction time on the morphological properties of two new mercury(II) coordination supramolecular compounds.
Ultrasonics Sonochemistry **2016**, 34, 968-977. https://doi.org/10.1016/j.ultsonch.2016.07.019

440. Y. Hanifehpour, A. Morsali,* B. Soltani, B. Mirtamizdoust, S.W. Joo,*
Ultrasound-assisted fabrication of a novel nickel(II)-bis-pyrazolyl borate two-nuclear discrete nano-structured coordination compound,
Ultrasonics Sonochemistry **2016**, 34, 519-524. https://doi.org/10.1016/j.ultsonch.2016.06.032

441. P. Hayati, A.R. Rezvani,* A. Morsali,* P. Retailleau,
Ultrasound irradiation effect on morphology and size of two new potassium coordination supramolecule compounds,
Ultrasonics Sonochemistry **2016**, 34, 195-205. https://doi.org/10.1016/j.ultsonch.2016.05.031

442. A. Azhdari Tehrani, S. Abedi, A. Morsali,*
Effects of orthohalogen substituents on nitrate binding in urea-based silver (I) coordination polymers, *Crystal Growth & Design* **2016**, 17 (1), 255-261. https://doi.org/10.1021/acs.cgd.6b01518

443. MY. Masoomi, M. Bagheri, A. Morsali,*
High adsorption capacity of two Zn-based metal–organic frameworks by ultrasound assisted synthesis, *Ultrasonics sonochemistry* **2016**, 33, 54-60. https://doi.org/10.1016/j.ultsonch.2016.04.013

444. F. Bigdeli, S. Abedi, H. Hosseini-Monfared,* A. Morsali,*
An investigation of the catalytic activity in a series of isoreticular Zn (II)-based metal-organic frameworks,
Inorganic Chemistry Communications **2016**, 72, 122-127. https://doi.org/10.1016/j.inoche.2016.08.010

445. V. Safarifard, S. Rodríguez-Hermida, V. Guillerm, I. Imaz, M. Bigdeli, A. Morsali,* M.E. Casco, J. Silvestre-Albero, E.V. Ramos-Fernandez, D. Maspoch,*
Influence of the Amide Groups in the CO2/N2 Selectivity of a Series of Isoreticular,
Interpenetrated Metal–Organic Frameworks, Crystal Growth & Design **2016**, 16 (10), 6016-6023. https://doi.org/10.1021/acs.cgd.6b01054

446. F. Marandi,* L. Hashemi, A Morsali,* H. Krautscheid,
Synthesis and Characterization of Pure Phase Zn (II) and Cd (II) Oxide Nanoparticles via Thermal Decomposition of Four New Zn (II) and Cd (II) Coordination Polymers,
Journal of Inorganic and Organometallic Polymers and Materials **2016**, 26 (5), 962-974. https://doi.org/10.1007/s10904-016-0403-x

447. L. Aboutorabi, A. Morsali,*
Sonochemical synthesis of two new nano lead (II) coordination polymers: evaluation of structural transformation via mechanochemical approach,
Ultrasonics sonochemistry **2016**, 32, 31-36. https://doi.org/10.1016/j.ultsonch.2016.01.023

448. F. Marandi,* L. Hashemi, A. Morsali,* H. Krautscheid,
Sonochemical synthesis and characterization of three nano zinc (II) coordination polymers; Precursors for preparation of zinc (II) oxide nanoparticles,

Ultrasonics sonochemistry **2016**, 32, 86-94. https://doi.org/10.1016/j.ultsonch.2016.02.022

449. M. Bagheri, M.Y. Masoomi, A. Morsali,* A. Schoedel,
Two dimensional host–guest metal–organic framework sensor with high selectivity and sensitivity to picric acid,
ACS applied materials & interfaces **2016**, 8 (33), 21472-21479. https://doi.org/10.1021/acsami.6b06955

450. Z. Saedi, V. Safarifard, A. Morsali,*
Dative and covalent-dative postsynthetic modification of a two-fold interpenetration pillared-layer MOF for heterogeneous catalysis: A comparison of catalytic activities and reusability.
Microporous and Mesoporous Materials **2016**, 229, 51-58.
https://doi.org/10.1016/j.micromeso.2016.04.017

451. M.L. Hu,* L. Hashemi, A. Morsali,*
Pore size and interactions effect on removal of dyes with two lead (II) metal-organic frameworks,
Materials Letters **2016**, 175, 1-4. https://doi.org/10.1016/j.matlet.2016.03.100

452. X.W. Yan, E. Haji-Hasani, A. Morsali,*
Syntheses and structural characterization of two new nanostructured Bi (III) supramolecular polymers via sonochemical method,
Ultrasonics sonochemistry **2016**, 31, 129-134. https://doi.org/10.1016/j.ultsonch.2015.11.014

453. Y. Hanifehpour, V. Safarifard, A. Morsali,* B. Mirtamizdoust, S.W. Joo,*
Ultrasound-assisted fabrication of a new nano-rods 3D copper (II)-organic coordination supramolecular compound,
Ultrasonics sonochemistry **2016**, 31, 201-205. https://doi.org/10.1016/j.ultsonch.2015.12.020

454. L. Aboutorabi, A. Morsali,* E. Tahmasebi, O. Buyukgungor,
Metal –Organic Framework Based on Isonicotinate N-Oxide for Fast and Highly Efficient Aqueous Phase Cr(VI) Adsorption,
Inorganic chemistry **2016**, 55 (11), 5507-5513. https://doi.org/10.1021/acs.inorgchem.6b00522

455. S.A. Nasehi, A. Uromeihy,* M.R. Nikudel, A. Morsali,
Use of nanoscale zero-valent iron and nanoscale hydrated lime to improve geotechnical properties of gas

oil contaminated clay: a comparative study,
Environmental Earth Sciences **2016**, 75 (9), 733. https://doi.org/10.1007/s12665-016-5443-6

456. R. Rahimi,* S. Zargari, A. Ghaffarinejad, A. Morsali,
Investigation of the synergistic effect of porphyrin photosensitizer on graphene–TiO2 nanocomposite for visible light photoactivity improvement,
Environmental Progress & Sustainable Energy **2016**, 35 (3), 642-652. https://doi.org/10.1002/ep.12267

457. S. Aghabeygi,* L. Hashemi, A. Morsali,*
Synthesis and characterization of ZnO nano-rods via thermal decomposition of Zinc (II) coordination polymers and their photocatalytic properties,
Journal of Inorganic and Organometallic Polymers and Materials **2016**, 26 (3), 495-499. https://doi.org/10.1007/s10904-015-0312-4

458. N. Darzi, A. Morsali,* S.A. Beyramabadi,
Quantum mechanical study on the different fluxional mechanisms in a [Pd(η2-olefin) complex,
Progress in Reaction Kinetics and Mechanism **2016**, 41 (1), 91-99. https://doi.org/10.3184/146867816X14514010028223

459. L. Aboutorabi, A. Morsali,*
Structural transformations and solid-state reactivity involving nano lead (II) coordination polymers via thermal, mechanochemical and photochemical approaches,
Coordination Chemistry Reviews **2016**, 310, 116-130. https://doi.org/10.1016/j.ccr.2015.10.006

460. S.A. Nasehi, A. Uromeihy,* M.R. Nikudel, A. Morsali,
Influence of gas oil contamination on geotechnical properties of fine and coarse-grained soils,
Geotechnical and Geological Engineering **2016**, 34 (1), 333-345. https://doi.org/10.1007/s10706-015-9948-7

461. R. Nouri, S. Abedi, A. Morsali,*
Design and synthesis of two novel functional metal–organic microcapsules; an investigation into ligand expansion effects on the metal–organic microcapsules' properties,
RSC Advances **2016**, 6 (103), 101652-101659. https://doi.org/10.1039/C6RA23075J

462. E. Tahmasebi, M.Y. Masoomi, Y. Yamini, A. Morsali,*
Application of a Zn (ii) based metal–organic framework as an efficient solid-phase extraction sorbent for preconcentration of plasticizer compounds,
RSC Advances **2016**, 6 (46), 40211-40218. https://doi.org/10.1039/C6RA06560K

463. M.Y. Masoomi, M. Bagheri, A. Morsali,* P.C. Junk*,
High photodegradation efficiency of phenol by mixed-metal–organic frameworks,
Inorganic Chemistry Frontiers **2016**, 3 (7), 944-951. https://doi.org/10.1039/C6QI00067C

464. K. Akhbari,* N.B. Bahman, A. Morsali,* P. Retailleau,
The effect of thermolysis temperatures of two silver (I) supramolecular polymers on the formation of silver nanostructures,
Journal of the Iranian Chemical Society **2016**, 13 (1), 165-169. https://doi.org/10.1007/s13738-015-0724-7

465. S. Abedi, A.A. Tehrani, H. Ghasempour, A. Morsali,*
Interplay between hydrophobicity and basicity toward the catalytic activity of isoreticular MOF organocatalysts,
New Journal of Chemistry **2016**, 40 (8), 6970-6976. https://doi.org/10.1039/C6NJ00480F

466. M.Y. Masoomi, M. Bagheri, A. Morsali,*
High efficiency of mechanosynthesized Zn-based metal–organic frameworks in photodegradation of congo red under UV and visible light,
Rsc Advances **2016**, 6 (16), 13272-13277. https://doi.org/10.1039/C5RA24238J

467. A. Jamali, A.A. Tehrani, F. Shemirani,* A. Morsali,*
Lanthanide metal–organic frameworks as selective microporous materials for adsorption of heavy metal ions,
Dalton Transactions **2016**, 45 (22), 9193-9200. https://doi.org/10.1039/C6DT00782A

468. H. Ghasempour, A.A. Tehrani, A. Morsali,* J. Wang, P.C. Junk,
Two pillared metal–organic frameworks comprising a long pillar ligand used as fluorescent sensors for nitrobenzene and heterogeneous catalysts for the Knoevenagel condensation reaction.

Crystal engineering communications **2016**, 18 (14), 2463-2468. https://doi.org/10.1039/C6CE00108D

469. M.Y. Masoomi, A. Morsali,*
Sonochemical synthesis of nanoplates of two Cd (II) based metal–organic frameworks and their applications as precursors for preparation of nano-materials,
Ultrasonics sonochemistry **2016**, 28, 240-249. https://doi.org/10.1016/j.ultsonch.2015.07.017

470. P. Hayati, A.R. Rezvani,* A. Morsali,* P. Retailleau,
Ultrasound irradiation effect on morphology and size of two new potassium coordination supramolecule compounds,
Ultrasonics sonochemistry **2017**, 34, 195-205. https://doi.org/10.1016/j.ultsonch.2016.05.031

471. K.G. Liu, A.R. Abbasi,* A. Azadbakht, M.L. Hu, A. Morsali,*
Deposition of silver nanoparticles on polyester fiber under ultrasound irradiations,
Ultrasonics sonochemistry **2017**, 34, 13-18. https://doi.org/10.1016/j.ultsonch.2016.04.006

472. Y. Hanifehpour, A. Morsali,* B. Soltani, B. Mirtamizdoust, S.W. Joo*.,
Ultrasound-assisted fabrication of a novel nickel (II)-bis-pyrazolyl borate two-nuclear discrete nano-structured coordination compound,
Ultrasonics sonochemistry **2017**, 34, 519-524. https://doi.org/10.1016/j.ultsonch.2016.06.032

473. P. Hayati, A.R. Rezvani,* A. Morsali,* P. Retailleau, S. García-Granda,
Influences of temperature, power ultrasound and reaction time on the morphological properties of two new mercury (II) coordination supramolecular compounds,
Ultrasonics sonochemistry, **2017** 34, 968-977. https://doi.org/10.1016/j.ultsonch.2016.07.019

474. M.Y. Masoomi, A. Morsali,* P.C. Junk, J. Wang,
Ultrasonic assisted synthesis of two new coordination polymers and their applications as precursors for preparation of nano-materials,
Ultrasonics sonochemistry, **2017**, 34, 984-992. https://doi.org/10.1016/j.ultsonch.2016.06.024

475. A.A. Tehrani, H. Ghasempour, A. Morsali,* A. Bauzá, A. Frontera, P. Retailleau,
Unraveling the dual character of sulfur atoms in a series of Hg (ii) coordination polymers containing bis (4-pyridyl) disulfide,

Crystal engineering communications **2017**, 19 (14), 1974-1981. https://doi.org/10.1039/C7CE00033B

476. M. Ghorbanloo, V. Safarifard, A. Morsali,*
Heterogeneous catalysis with a coordination modulation synthesized MOF: morphology-dependent catalytic activity,
New Journal of Chemistry **2017**, 41 (10), 3957-3965. https://doi.org/10.1039/C6NJ04065A

477. S. Abedi, A. Morsali,*
Improved activity of palladium nanoparticles using a sulfur-containing metal–organic framework as an efficient catalyst for selective aerobic oxidation in water,
New Journal of Chemistry **2017**, 41 (13), 5846-5852. https://doi.org/10.1039/C7NJ00709D

478. M.Y. Masoomi, M. Bagheri, A. Morsali,*
Enhancement of photocatalytic performance in two zinc-based metal–organic frameworks by solvent assisted linker exchange,
Crystal engineering communications **2017**, 19 (38), 5749-5754. https://doi.org/10.1039/C7CE01295K

479. H. Amanzadeh, Y. Yamini,* M.Y. Masoomi, A. Morsali,
Nanostructured metal–organic frameworks, TMU-4, TMU-5, and TMU-6, as novel adsorbents for solid phase microextraction of polycyclic aromatic hydrocarbons,
New Journal of Chemistry **2017**, 41 (20), 12035-12043. https://doi.org/10.1039/C7NJ03225K

480. F. Rouhani, A. Morsali,*
Highly effective Brønsted base/lewis acid cooperative catalysis: a new Cd metal–organic framework for the synthesis of Hantzsch 1, 4-DHPs at ambient temperature,
New Journal of Chemistry **2017**, 41 (24), 15475-15484. https://doi.org/10.1039/C7NJ01509G

481. A. Azhdari Tehrani, L. Esrafili, S. Abedi, A. Morsali,* L. Carlucci, D.M. Proserpio,
Urea metal–organic frameworks for nitro-substituted compounds sensing,
Inorganic chemistry **2017**, 56 (3), 1446-1454. https://doi.org/10.1021/acs.inorgchem.6b02518

482. S.A.A. Razavi, M.Y. Masoomi, T. Islamoglu, A. Morsali,* Y. Xu, J.T. Hupp,* F. OK,* J. Wang, P.C. Junk,
Improvement of Methane–Framework Interaction by Controlling Pore Size and Functionality of Pillared

MOFs,
Inorganic chemistry **2017**, 56 (5), 2581-2588. https://doi.org/10.1021/acs.inorgchem.6b02758

483. P. Hayati, A.R. Rezvani, A. Morsali,* P. Retailleau, R. Centore,
Survey of temperature, reaction time and ultrasound irradiation power on sonochemical synthesis of two new nanostructured lead (II) coordination supramolecule compounds,
Ultrasonics sonochemistry **2017**, 35, 81-91. https://doi.org/10.1016/j.ultsonch.2016.09.005

484. F. Mojtabazade, B. Mirtamizdoust, A. Morsali,* P. Talemi,
Sonochemical synthesis and structural determination of novel the nano-card house Cu (II) metal-organic coordination system,
Ultrasonics sonochemistry **2017**, 35, 226-232. https://doi.org/10.1016/j.ultsonch.2016.09.022

485. M. Khanpour, A. Naghipour,* A.A. Tehrani, A. Morsali,* D. Morales-Morales, A.Y. Lehi,
The Role of Weak Intermolecular Interactions in the Assembly of a Series of d10 Metal Coordination Polymers Based on N, N′-Bis-Pyridin-3-Ylmethylene -Naphtalene-1, 5-Diamine Ligand; Ultrasonic Synthesis, Spectroscopic and Structural Characterization. Journal of Inorganic and Organometallic Polymers and Materials,
Journal of Inorganic and Organometallic Polymers and Materials **2017**, 27 (2), 406-417.
https://doi.org/10.1007/s10904-016-0479-3

486. M. Bagheri, M.Y. Masoomi, A. Morsali,*
Highly sensitive and selective ratiometric fluorescent metal–organic framework sensor to nitroaniline in presence of nitroaromatic compounds and VOCs,

Sensors and Actuators B: Chemical **2017**, 243, 353-360.
https://doi.org/10.1016/j.snb.2016.11.144

487. M. Safari, Y. Yamini,* M.Y. Masoomi, A. Morsali, A. Mani-Varnosfaderani,
Magnetic metal-organic frameworks for the extraction of trace amounts of heavy metal ions prior to their determination by ICP-AES,
Microchimica Acta **2017** 184 (5), 1555-1564. https://doi.org/10.1007/s00604-017-2133-3

488. M. Khanpour, A. Naghipour, A.A. Tehrani, A. Morsali,* D. Morales-Morales, S.Hernandez-Ortega,
The role of non-covalent interactions in the crystal structure of two new nano coordination polymers of Cd(II) and Hg(II) based on N, N′-Bis-pyridin-4-ylmethylene -naphthalene-1, 5-diamine ligand,
Journal of Molecular Structure **2017**, 1135, 26-31. https://doi.org/10.1016/j.molstruc.2017.01.024

489. L. Panahi, M.R. Naimi-Jamal,* J. Mokhtari, A. Morsali,
Mechanochemically synthesized nanoporous metal-organic framework Cu2 (BDC) 2 (DABCO): An efficient heterogeneous catalyst for preparation of carbamates,
Microporous and Mesoporous Materials **2017**, 244, 208-217.
https://doi.org/10.1016/j.micromeso.2016.10.031

490. L. Hashemi, F. Marandi,* A. Morsali,* H. Krautscheid,
Ultrasonic assistance syntheses of new nano-sized lead (II) coordination polymers: motifs for PbO preparation,
Journal of the Iranian Chemical Society **2017**, 14 (6), 1271-1279. https://doi.org/10.1007/s13738-017-1078-0

491. M. Bagheri, M.Y. Masoomi, A. Morsali,*
High organic sulfur removal performance of a cobalt based metal-organic framework,
Journal of hazardous materials **2017**, 331, 142-149. https://doi.org/10.1016/j.jhazmat.2017.02.037

492. F. Bigdeli, H. Ghasempour, A.A. Tehrani, A. Morsali,* H. Hosseini-Monfared,
Ultrasound-assisted synthesis of nano-structured Zinc (II)-based metal-organic frameworks as precursors for the synthesis of ZnO nano-structures,
Ultrasonics sonochemistry **2017**, 37, 29-36. https://doi.org/10.1016/j.ultsonch.2016.12.031

493. M.Y. Masoomi, M. Bagheri, A. Morsali,*
Porosity and dye adsorption enhancement by ultrasonic synthesized Cd (II) based metal-organic framework,
Ultrasonics sonochemistry **2017**, 37, 244-250. https://doi.org/10.1016/j.ultsonch.2017.01.018

494. P. Hayati, A.R. Rezvani, A. Morsali, D.R. Molina, S. Geravand, , S. Suarez-Garcia , MA, Villaecija, S. García-Granda, R. Mendoza-Meroño, P. Retailleau,

Sonochemical synthesis, characterization, and effects of temperature, power ultrasound and reaction time on the morphological properties of two new nanostructured mercury (II) coordination supramolecule compounds,
Ultrasonics sonochemistry, **2017**, 37, 382-393. https://doi.org/10.1016/j.ultsonch.2017.01.021

495. Y. Hanifehpour, A. Morsali,* B. Mirtamizdoust, S.W. Joo,* B. Soltani,
Thermolysis synthesis of pure phase NiO from novel sonochemical synthesized Ni (II) nano metal-organic supramolecular architecture,
Ultrasonics sonochemistry **2017**, 37, 430-435. https://doi.org/10.1016/j.ultsonch.2017.02.003

496. X.X. Cheng, S. Hojaghani, M.L. Hu,* M.H. Sadr, A. Morsali,*
Sonochemical synthesis and characterization of new nanostructures cobalt (II) metal-organic complexes derived from the azo-coupling reaction of 4-amino benzoic acid with anthranilic acid, salicylaldehyde and 2-naphtol.
Ultrasonics sonochemistry **2017**, 37, 614-622. https://doi.org/10.1016/j.ultsonch.2017.02.007

497. S.A.A. Razavi, M.Y. Masoomi, A. Morsali,*
Ultrasonic assisted synthesis of a tetrazine functionalized MOF and its application in colorimetric detection of phenylhydrazine,
Ultrasonics sonochemistry **2017**, 37, 502-508. https://doi.org/10.1016/j.ultsonch.2017.02.011

498. P. Abdolalian, A. Morsali,* G. Bruno,
Sonochemical synthesis and characterization of microrod to nanoparticle of new mixed-ligand zinc (II) fumarate metal-organic polymer,
Ultrasonics sonochemistry **2017**, 37, 654-659. https://doi.org/10.1016/j.ultsonch.2017.02.023

499. R. Nouri, S. Abedi, A. Morsali,*
A novel synthesis route for preparation of tetrazole-based infinite coordination polymers and their application as an efficient catalyst for Michael addition reactions,
Journal of the Iranian Chemical Society 2017, 14 (7), 1601-1612. https://doi.org/10.1007/s13738-017-1101-5

500. A. Piri, F. Molaei, L. Hashemi, A. Morsali,* G. Bruno, H.A. Rudbari,
Direct synthesis of CdS nanoparticles via simple one-pot calcination of new two-dimensional Cd (II)

coordination polymer,
Journal of the Iranian Chemical Society **2017**, 14 (7), 1541-1548. https://doi.org/10.1007/s13738-017-1095-z

501. S.A.A. Razavi, M.Y. Masoomi, A. Morsali,*
Double solvent sensing method for improving sensitivity and accuracy of Hg (II) detection based on different signal transduction of a tetrazine-functionalized pillared metal –organic framework,
Inorganic chemistry **2017**, 56 (16), 9646-9652. https://doi.org/10.1021/acs.inorgchem.7b01155

502. R. Nouri, E. Tahmasebi, A. Morsali,*
Capability of magnetic functional metal-organic nanocapsules for removal of mercury (II) ions,
Materials Chemistry and Physics **2017**, 198, 310-316.
https://doi.org/10.1016/j.matchemphys.2017.06.018

503. S.A.A. Razavi, M.Y. Masoomi, A. Morsali,*
Stimuli-Responsive Metal–Organic Framework (MOF) with Chemo-Switchable Properties for Colorimetric Detection of CHCl3,
Chemistry–A European Journal **2017**, 23 (51), 12559-12564. https://doi.org/10.1002/chem.201702127

504. M. Bagheri, M.Y. Masoomi, A. Morsali,*
A MoO3–Metal–Organic Framework Composite as a Simultaneous Photocatalyst and Catalyst in the PODS Process of Light Oil,
ACS Catalysis 2017, 7 (10), 6949-6956. https://doi.org/10.1021/acscatal.7b02581

505. F. Bigdeli, H. Hosseini-Monfared,* A. Morsali,* P. Mayer,
Synthesis of a new Hg (II) coordination polymer: Ultrasonic-assisted synthesis and mechanical preparation of nanostructure,
Ultrasonics sonochemistry **2017**, 39, 669-675. https://doi.org/10.1016/j.ultsonch.2017.03.055

506. L. Esrafili, A.A. Tehrani, A. Morsali,*
Ultrasonic assisted synthesis of two urea functionalized metal organic frameworks for phenol sensing: a comparative study,
Ultrasonics sonochemistry **2017**, 39, 307-312. https://doi.org/10.1016/j.ultsonch.2017.04.039

507. C. Jin, F. Bigdeli, Z.M. Jin, Y.R. Xie, M.L. Hu,* A. Morsali,*
Ultrasonic effect on RuO2 nanostructures prepared by direct calcination of two new Ru (II)-organic supramolecular polymers,
Ultrasonics sonochemistry **2017**, 39, 420-429. https://doi.org/10.1016/j.ultsonch.2017.05.007

508. C. Jin, F. Bigdeli, K.G. Liu, H. Ghasempour, M.L. Hu,* A. Morsali,*
Sonochemical effect on two new Ruthenium (II) complexes with ligand (E)-N-((6-bromopyridin-2-yl) methylene)-4-(methylthio) aniline precursors for synthesis of RuO2 nanoparticles,
Ultrasonics sonochemistry **2017**, 39, 565-576. https://doi.org/10.1016/j.ultsonch.2017.05.022

509. M. Joharian, S. Abedi, A Morsali,*
Sonochemical synthesis and structural characterization of a new nanostructured Co (II) supramolecular coordination polymer with Lewis base sites as a new catalyst for Knoevenagel condensation,
Ultrasonics sonochemistry **2017**, 39, 897-907. https://doi.org/10.1016/j.ultsonch.2017.06.009

510. S. Varzdar, L. Hashemi, A Morsali,* M Dusek,
Synthesis and characterization of new coordination polymer with l-proline amino acid ligand; new precursor for preparation of pure phase lead (II) oxide nanoparticles via thermal decomposition,
Journal of the Iranian Chemical Society **2017**, 14 (11), 2255-2261. https://doi.org/10.1007/s13738-017-1162-5

511. Z. Saedi,* M. Yaghma, A. Morsali, M. Roushani,
Encapsulated phosphomolybdic acid in TMU-16 metal organic framework: Study the catalytic activity and structural stability dependent on synthetic solvent, Inorganic
Chemistry Communications **2017**, 86, 159-164. https://doi.org/10.1016/j.inoche.2017.10.014

512. P. Hayati, B. Souri, A.R. Rezvani,* A. Morsali,* A. Gutierrez,
Sonochemical synthesis and characterization of a novel hetro-binuclear metal organic nano polymer based on picolinic acid ligand,
Journal of Molecular Structure **2017**, 1150, 404-410. https://doi.org/10.1016/j.molstruc.2017.09.006

513. A.A. Shahrnoy, A.R. Mahjoub,* A. Morsali, M. Dusek, V. Eigner,
Sonochemical synthesis of polyoxometalate based of ionic crystal nanostructure: a photocatalyst for degradation of 2, 4-dichlorophenol,

Ultrasonics sonochemistry **2018**, 40, 174-183. https://doi.org/10.1016/j.ultsonch.2017.07.018

514. V. Safarifard,* A. Morsali,*
Facile preparation of nanocubes zinc-based metal-organic framework by an ultrasound-assisted synthesis method; precursor for the fabrication of zinc oxide octahedral nanostructures,
Ultrasonics sonochemistry **2018**, 40, 921-928 https://doi.org/10.1016/j.ultsonch.2017.09.014

515. H. Bagheri, H. Amanzadeh, Y. Yamini,* M.Y. Masoomi, A. Morsali, J. Salar-Amoli, J. Hassan,
A nanocomposite prepared from a zinc-based metal-organic framework and polyethersulfone as a novel coating for the headspace solid-phase microextraction of organophosphorous pesticides,
Microchimica Acta **2018**, 185 (1), 62. https://doi.org/10.1016/j.talanta.2014.10.020

516. L. Esrafili, V. Safarifard, E. Tahmasebi, M.D. Esrafili, A. Morsali,*

Functional group effect of isoreticular metal–organic frameworks on heavy metal ion adsorption,
New Journal of Chemistry **2018**, 42 (11), 8864-8873. https://doi.org/10.1039/C8NJ01150H

517. S. Tarasi, A.A. Tehrani, A. Morsali, P. Retailleau,
Fabrication of amine and imine-functionalized isoreticular pillared-layer metal–organic frameworks for the highly selective detection of nitro-aromatics,
New Journal of Chemistry **2018**, 42 (18), 14772-14778. https://doi.org/10.1039/C8NJ02407C

518. N. Shokouhfar, L. Aboutorabi, A. Morsali,*
Improving the capability of UiO-66 for Cr (vi) adsorption from aqueous solutions by introducing isonicotinate N-oxide as the functional group,
Dalton Transactions **2018**, 47 (41), 14549-14555. https://doi.org/10.1039/C8DT03196G

519. F. ZareKarizi, M. Joharian, A. Morsali,*
Pillar-layered MOFs: functionality, interpenetration, flexibility and applications,
Journal of Materials Chemistry A **2018**, 6 (40), 19288-19329. https://doi.org/10.1039/C8TA03306D

520. P. Abdolalian, A. Morsali,* G. Makhloufi, C. Janiak,
Acid-and base-stable porous mechanically interlocked 2D metal–organic polyrotaxane for in situ organochlorine insecticide encapsulation, sensing and removal,

New Journal of Chemistry **2018**, 42 (22), 18152-18158. https://doi.org/10.1039/C8NJ03302A

521. M. Joharian, A. Morsali,* A.A. Tehrani, L. Carlucci, D.M. Proserpio,
Water-stable fluorinated metal–organic frameworks (F-MOFs) with hydrophobic properties as efficient and highly active heterogeneous catalysts in aqueous solution,
Green chemistry **2018**, 20 (23), 5336-5345. https://doi.org/10.1039/C8GC02367K

522. M.L. Hu,* V. Safarifard, E. Doustkhah, S. Rostamnia,* A. Morsali,* N Nouruzi,S. Beheshti, K. Akhbari ,
Taking organic reactions over metal-organic frameworks as heterogeneous catalysis,
Microporous and Mesoporous Materials **2018**, 256, 111-127.
https://doi.org/10.1016/j.micromeso.2017.07.057

523. F. Jafari-Moghaddam, S.A. Beyramabadi,* M. Khashi, A. Morsali,
Three VO^{2+} complexes of the pyridoxal-derived Schiff bases: Synthesis, experimental and theoretical characterizations, and catalytic activity in a cyclocondensation reaction,
Journal of Molecular Structure **2018**, 1153, 149-156. https://doi.org/10.1016/j.molstruc.2017.10.007

524. S.A.A. Razavi, M.Y. Masoomi, A. Morsali,*
Morphology-dependent sensing performance of dihydro-tetrazine functionalized MOF toward Al (III),
Ultrasonics sonochemistry **2018**, 41, 17-26. https://doi.org/10.1016/j.ultsonch.2017.09.009

525. A.A. Tehrani, H. Abbasi, L. Esrafili, A. Morsali,*
Urea-containing metal-organic frameworks for carbonyl compounds sensing,
Sensors and Actuators B: Chemical **2018**, 256, 706-710,539. https://doi.org/10.1016/j.snb.2017.09.211

526. M. Gharib, V. Safarifard, A. Morsali,*
Ultrasound assisted synthesis of amide functionalized metal-organic framework for nitroaromatic sensing,
Ultrasonics sonochemistry **2018**, 42, 112-118. https://doi.org/10.1016/j.ultsonch.2017.11.009

527. F. Mojtabazade, B. Mirtamizdoust, A. Morsali,* P. Talemi,
Ultrasonic-assisted synthesis and the structural characterization of novel the zig-zag Cd (II) metal-organic polymer and their nanostructures,

Ultrasonics sonochemistry **2018**, 42, 134-140. https://doi.org/10.1016/j.ultsonch.2017.11.018

528. P. Hayati, S. Suárez-García, A. Gutiérrez, D.R. Molina, A. Morsali,* A.R. Rezvani, Sonochemical synthesis of a novel nanoscale 1D lead (II)[Pb2 (L) 2 (I) 4] n coordination Polymer, survey of temperature, reaction time parameters,
Ultrasonics sonochemistry **2018**, 42, 320-326. https://doi.org/10.1016/j.ultsonch.2017.11.033

529. P. Hayati, S. Suárez-García, A. Gutierrez, E. Şahin, D.R. Molina,* A. Morsali,* A.R Rezvani*, Sonochemical synthesis of two novel Pb (II) 2D metal coordination polymer complexes: New precursor for facile fabrication of lead (II) oxide/bromide micro-nanostructures,
Ultrasonics sonochemistry **2018**, 42, 310-319. https://doi.org/10.1016/j.ultsonch.2017.11.037

530. A. Morsali, H.H. Monfared, F. Bigdeli, A. Morsali,* P Mayer,
Ultrasonic assisted synthesis of a new one-dimensional nanostructured Mn (II) coordination polymer derived from azide and new multi-topic nitrogen donor ligand,
Ultrasonics sonochemistry **2018**, 42, 376-380. https://doi.org/10.1016/j.ultsonch.2017.10.023

531. F. Rouhani, A. Morsali,*
Fast and selective heavy metal removal by a novel Metal-Organic Framework designed with In-Situ Ligand building block fabrication bearing free nitrogen,
Chemistry–A European Journal **2018**, 24 (21), 5529-5537. https://doi.org/10.1002/chem.201706016

532. M.S. Rahmanifar, H. Hesari, A. Noori, M.Y. Masoomi, A. Morsali, MF Mousavi,,*
A dual Ni/Co-MOF-reduced graphene oxide nanocomposite as a high performance supercapacitor electrode material,
Electrochimica Acta **2018**, 275, 76-86. https://doi.org/10.1016/j.electacta.2018.04.130

533. A. Rahmani, H.B.M. Emrooz,* S. Abedi, A. Morsali,*
Synthesis and characterization of CdS/MIL-125 (Ti) as a photocatalyst for water splitting,
Materials Science in Semiconductor Processing **2018**, 80, 44-51.
https://doi.org/10.1016/j.mssp.2018.02.013

534. N. Abdollahi, M.Y. Masoomi, A. Morsali,* P.C. Junk, J. Wang,
Sonochemical synthesis and structural characterization of a new Zn (II) nanoplate metal–organic

framework with removal efficiency of Sudan red and Congo red,
Ultrasonics sonochemistry **2018**, 45, 50-56. https://doi.org/10.1016/j.ultsonch.2018.03.001

535. F. Parsa, M. Ghorbanloo, M.Y. Masoomi, A. Morsali,* P.C. Junk, J. Wang,
Ultrasound-assisted synthesis and characterization of a new metal-organic framework based on azobenzene-4, 4-dicarboxylic acid: Precursor for the fabrication of Co3O4 nano-particles,
Ultrasonics sonochemistry **2018**, 45, 197-203. https://doi.org/10.1016/j.ultsonch.2018.03.014

536. S. Beheshti, V. Safarifard, A. Morsali,*
Isoreticular interpenetrated pillared-layer microporous metal-organic framework as a highly effective catalyst for three-component synthesis of pyrano [2, 3-d] pyrimidines,
Inorganic Chemistry Communications **2018**, 94, 80-84. https://doi.org/10.1016/j.inoche.2018.06.002

537. S.A.A. Razavi, M.Y. Masoomi, A. Morsali,*
Host–Guest Interaction Optimization through Cavity Functionalization for Ultra-Fast and Efficient Water Purification by a Metal–Organic Framework, I
norganic chemistry **2018**, 57 (18), 11578-11587. https://doi.org/10.1021/acs.inorgchem.8b01611

538. H. Ghasempour, A. Morsali,*
Ultrasound-assisted synthesized and catalytic studies of two nano-structured metal–organic frameworks with long N-donor ligand as a pillar,
Polyhedron **2018**, 151, 58-65. https://doi.org/10.1016/j.poly.2018.05.009

539. F. Rouhani, A. Morsali,* P. Retailleau,
Simple One-Pot Preparation of a Rapid Response AIE Fluorescent Metal–Organic Framework,
ACS applied materials & interfaces **2018**, 10 (42), 36259-36266.
https://doi.org/10.1021/acsami.8b12404

540. F. ZareKarizi, S. Beheshti, A. Morsali,*
Modulating iodine adsorption in nanoporous metal-organic framework via cation exchange process,
Inorganica Chimica Acta **2018**, 482, 113-117. https://doi.org/10.1016/j.ica.2018.05.040

541. Y. Yamini, M. Safari,* A. Morsali, V. Safarifard,
Magnetic frame work composite as an efficient sorbent for magnetic solid-phase extraction of plasticizer

compounds,
Journal of Chromatography A **2018**, 1570, 38-46. https://doi.org/10.1016/j.chroma.2018.07.069

542. R. Abazari, A.R. Mahjoub,* F. Ataei,* A. Morsali,* C.L. Carpenter-Warren, K. Mehdizadeh, A.M. Slawin,
Chitosan immobilization on bio-MOF nanostructures: a biocompatible pH-responsive nanocarrier for doxorubicin release on MCF-7 cell lines of human breast cancer,
Inorganic Chemistry ***2018***, 57 (21), 13364-13379. https://doi.org/10.1021/acs.inorgchem.8b01955

543. F. Zarekarizi, S. Beheshti, A. Morsali,*
Solid-state preparation of mixed metal-oxides nanostructure from anionic metal-organic framework via cation exchange process,
Inorganic Chemistry Communications **2018**, 97, 144-148. https://doi.org/10.1016/j.inoche.2018.09.020

544. J.J. Xue, F. Bigdeli, J.P. Liu, M.L. Hu,* A. Morsali,*
Ultrasonic-assisted synthesis and DNA interaction studies of two new Ru complexes; RuO2 nanoparticles preparation,
Nanomedicine **2018**, 13 (21), 2691-2708. https://doi.org/10.2217/nnm-2018-0174

545. F. Rouhani, A. Morsali,*
Goal-Directed Design of Metal–Organic Frameworks for HgII and PbII Adsorption from Aqueous Solutions,
Chemistry–A European Journal **2018**, 24 (65), 17170-17179. https://doi.org/10.1002/chem.201802096

546. H. He, L. Hashemi, M.L. Hu,* A. Morsali,*
The role of the counter-ion in metal-organic frameworks' chemistry and applications,
Coordination Chemistry Reviews **2018**, 376, 319-347. https://doi.org/10.1016/j.ccr.2018.08.014

547. R.K. Alavijeh, S. Beheshti, K. Akhbari,* A. Morsali,*
Investigation of reasons for metal–organic framework's antibacterial activities,
Polyhedron **2018**, 156, 257-278. https://doi.org/10.1016/j.poly.2018.09.028

548. A. Hakimifar, A. Morsali,*
Urea-Based Metal–Organic Frameworks as High and Fast Adsorbent for Hg2+ and Pb2+ Removal from

Water,
Inorganic chemistry **2018**, 58 (1), 180-187. https://doi.org/10.1021/acs.inorgchem.8b02133

549. N.N. Zhang, F. Bigdeli, Q. Miao, M.L. Hu,* A. Morsali,*
Ultrasonic-assisted synthesis, characterization and DNA binding studies of Ru (II) complexes with the chelating N-donor ligand and preparing of RuO2 nanoparticles by the easy method for calcination,
Journal of Organometallic Chemistry **2018**, 878, 11-18.
https://doi.org/10.1016/j.jorganchem.2018.09.024

550. L. Esrafili, A.A. Tehrani, A. Morsali,* L Carlucci, DM Proserpio,
Ultrasound and solvothermal synthesis of a new urea-based metal-organic framework as a precursor for fabrication of cadmium (II) oxide nanostructures,
Inorganica Chimica Acta **2019**, 484, 386-393. https://doi.org/10.1016/j.ica.2018.09.025

551. R .Abazari, S. Sanati, A. Morsali,* A.M..Z Slawin, C.L. Carpenter-Warren,V. Chen, A. Zheng,
Ultrafast post-synthetic modification of a pillared cobalt (ii)-based metal–organic framework via sulfurization of its pores for high-performance supercapacitors,
Journal of Materials Chemistry A **2019**, 7 (19), 11953-11966. https://doi.org/10.1039/C9TA01628G

552. M. Gharib, L. Esrafili, A. Morsali,* P. Retailleau,
Solvent-assisted ligand exchange (SALE) for the enhancement of epoxide ring-opening reaction catalysis based on three amide-functionalized metal–organic frameworks,
Dalton Transactions **2019**, 48(24),8803-14. https://doi.org/10.1039/C9DT00941H

553. K. Berijani, A. Morsali,* J.T. Hupp,
An effective strategy for creating asymmetric MOFs for chirality induction: a chiral Zr-based MOF for enantioselective epoxidation,
Catalysis Science & Technology **2019**, 9 (13), 3388-3397. https://doi.org/10.1039/C9CY00565J

554. Z. Shokhchashm, A. Hakimifar, L. Hashemi, A. Morsali, M. Dusek, A.R. Abbasi, M.E. Ebrahimzadeh, F. Babaei, M. Khanpour Matikolaei,
Synthesis and Crystal Structure of [Pb (gly) 2] n; New lead (II) Coordination Polymer with Glycine Ligand,

Journal of Nanostructures **2019**, 9 (1), 8-13. https://doi.org/10.22052/JNS.2019.01.02

555. F. Rouhani, F. Rafizadeh-Masuleh, A. Morsali,*
Selective sacrificial metal–organic frameworks: a highly quantitative colorimetric naked-eye detector for aluminum ions in aqueous solutions,
Journal of Materials Chemistry A **2019**, 7 (31), 18634-18641. https://doi.org/10.1039/C9TA03647D

556. F. Rouhani, B. Gharib, A. Morsali,*
Solvent switching smart metal–organic framework as a catalyst of reduction and condensation,
Inorganic Chemistry Frontiers **2019**, 6 (9), 2412-2422. https://doi.org/10.1039/C9QI00714H

557. L. Esrafili, M. Gharib, A. Morsali,*
Selective detection and removal of mercury ions by dual-functionalized metal–organic frameworks: design-for-purpose,
New Journal of Chemistry **2019**, 43 (46), 18079-18091. https://doi.org/10.1039/C9NJ03951A

558. L. Esrafili, M. Gharib, A. Morsali,*
Targeted Design of Dual-Functional Metal Organic Frameworks (DF-MOFs) as a Highly Efficient Sorbent for Hg2+ Ions: Synthesis for Purpose,
Dalton Transactions **2019**, 48(48):17831-9. https://doi.org/10.1039/C9DT03933C

559. J.P. Mo, F. Bigdeli, Y. Ying, C.Q. Zhu, M. Zhu, Y.S. Li, X.H. Li, H.P. Xiao,* A. Morsali,* A. Ramazani,*

560. Five new Cd (II) coordination polymers constructed from 4, 4′-(hydroxyphosphoryl) dibenzoic acid and N-donor pyridine ligands,
Polyhedron **2019**, 158, 144-153. https://doi.org/10.1016/j.poly.2018.10.015

561. Z. Mohammadkhani, S. Abedi, A. Morsali,* A.R. Abbasi, M.E. Ebrahimzadeh, F. Babaei, M.K. Matikolaei,
Effects of pore size and surface area on CH4 and CO2 capture in mesostructured MIL-101,
Journal of the Iranian Chemical Society **2019**, 16 (1), 137-142. https://doi.org/10.1007/s13738-018-1490-0

562. M. Joharian, A. Morsali,*
Ultrasound-assisted synthesis of two new fluorinated metal-organic frameworks (F-MOFs) with the high surface area to improve the catalytic activity,
Journal of Solid State Chemistry **2019**, 270, 135-146. https://doi.org/10.1016/j.jssc.2018.10.046

563. N. Abdollahi, A. Morsali,* Ca
talytic improvement by open metal sites in a new mixed-ligand hetero topic metal–organic framework,
Polyhedron **2019**, 159, 72-77. https://doi.org/10.1016/j.poly.2018.11.045

564. F. Zisti, A.A. Tehrani, R. Alizadeh, H. Abbasi, A. Morsali,* S.H. Eichhorn,
Synthesis and structural characterization of three nano-structured Ag (I) coordination polymers; Syntheses, characterization and X-ray crystal structural analysis,
Journal of Solid State Chemistry **2019**, 271, 29-39. https://doi.org/10.1016/j.jssc.2018.12.049

565. J.P. Mo, L. Hashemi, J.L. He, W.L. Feng, Y. Yin, W.B. Zhang, X.H. Li, H.P. Xiao,* A. Morsali,*
Crystal structure, thermal stability and photoluminesence properties of five new Zn (II) coordination polymers constructed from mixed ligand; N-donor pyridine ligands and bis (4-carboxylphenyl) phosphinic acid,
Journal of Molecular Structure **2019**, 1180, 63-71. https://doi.org/10.1016/j.molstruc.2018.11.007

566. P. Abdolalian, A. Morsali,*
Flexible and breathing metal–organic framework with high and selective carbon dioxide storage versus nitrogen,
Polyhedron **2019**, 161, 56-62. https://doi.org/10.1016/j.poly.2019.01.001

567. R. Abazari, S. Sanati, A. Morsali,* A. Slawin, C. L. Carpenter-Warren,
Dual-Purpose 3D Pillared Metal–Organic Framework with Excellent Properties for Catalysis of Oxidative Desulfurization and Energy Storage in Asymmetric Supercapacitor,
ACS applied materials & interfaces **2019**, 11 (16), 14759-14773.
https://doi.org/10.1021/acsami.9b00415

568. A. Hakimifar, A. Morsali,*
High-sensitivity detection of nitroaromatic compounds (NACs) by the pillared-layer metal-organic

framework synthesized via ultrasonic method,
Ultrasonics sonochemistry **2019**, 52, 62-68. https://doi.org/10.1016/j.ultsonch.2018.11.002

569. F. Zisti, R. Alizadeh,* A.A. Tehrani, A. Morsali,* S.H. Eichhorn, J.M. Rawson, H.P. Xiao,
Synthesis, characterization and single crystal X-ray analysis of Zn (II) phenanthridine complexes,
Journal of Molecular Structure **2019**, 1181, 579-586. https://doi.org/10.1016/j.molstruc.2019.01.002

570. M.Y. Masoomi, A. Morsali,* A. Dhakshinamoorthy, H. García,*
Mixed-Metal MOFs: Unique Opportunities in Metal-organic Framework Functionality and Design,
Angewandte Chemie International Edition **2019**, 131(43), 15330-
47. https://doi.org/10.1002/ange.201902229

571. J.Z. Li, F. Bigdeli, X.M. Gao, R. Wang, X.W. Wei, X.W. Yan, M.L. Hu,* K.G. Liu,* A. Morsali,*
Trivalent Tetrahedral Anion Template: A 26-Nucleus Silver Alkynyl Cluster Encapsulating Vanadate,
Inorganic chemistry **2019**, 58, 9, 5397–5400. https://doi.org/10.1021/acs.inorgchem.9b00264

572. M.L. Hu,* M.Y. Masoomi, A. Morsali,*
Template strategies with MOFs,
Coordination Chemistry Reviews **2019**, 387, 415-435. https://doi.org/10.1016/j.ccr.2019.02.021

573. S.A.A. Razavi, A. Morsali,*
High Capacity Oil Denitrogenation Over Azine and Tetrazine Decorated Metal-Organic Frameworks: Critical Roles of Hydrogen-Bonding,
ACS applied materials & interfaces **2019**, 1(24), 21711-9. https://doi.org/10.1021/acsami.9b05282

574. X.W. Yan, M. Joharian, M. Naghiloo, R. Rasuli, M.L. Hu,* A. Morsali,*
Metal–Organic Framework derived porous 2D semiconductor C/ZnO nanocomposite with the high electrical conductivity,
Materials Letters **2019**, 252,325-8.

575. A. Morsali,*SAA Razavi,
Ultrasonic Assisted Linker Exchange (USALE): A Novel Post-Synthesis Method for Controlling the Functionality, Porosity and Morphology of the MOFs,

Chemistry–A European Journal **2019**, 25(46), 10876-85. https://doi.org/10.1002/chem.201901554

576. F. Rouhani, F. Rafizadeh-Masuleh, A. Morsali,*
Highly Electro-Conductive Metal-Organic Framework; Tunable by Metal Ion Sorption Quantity,
Journal of the American Chemical Society **2019**, 7(31),18634-41. https://doi.org/10.1039/C9TA03647D

577. N. Contreras-Pereda, P. Hayati, S. Suárez-García, L. Esrafili, P. Retailleau, A. Morsali,* D. Ruiz-Molina,*
Delamination of 2D coordination polymers: The role of solvent and ultrasound,
Ultrasonics sonochemistry **2019**, 55, 186-195. https://doi.org/10.1016/j.ultsonch.2019.02.014

578. F. Afshariazar, A. Morsali,*
Target-Architecture Engineering of a Novel Two-dimensional Metal–Organic Framework for High Catalytic Performance,
Crystal Growth & Design **2019**, 19 (8), 4239-4245. https://doi.org/10.1021/acs.cgd.9b00459

579. N. Abdollahi, A. Morsali,*
Highly sensitive fluorescent metal-organic framework as a selective sensor of MnVII and CrVI anions (MnO4−/Cr2O72−/CrO42−) in aqueous solutions,
Analytica chimica acta **2019**, 1064, 119-125. https://doi.org/10.1016/j.aca.2019.02.061

580. K.G. Liu,* F. Rouhani, Q.D. Shan, R. Wang, J. Li, M.L. Hu,* X. Cheng, A. Morsali,*
Ultrasonic-assisted fabrication of thin-film electrochemical detector of H2O2 based on ferrocene-functionalized silver cluster,
Ultrasonics sonochemistry **2019**, 56, 305-312. https://doi.org/10.1016/j.ultsonch.2019.04.009

581. J. Zhang,* S.R. Nabavi, D. Zhu, S.S.K. Khani, X. Zhang, F. Bigdeli, A. Morsali,*
Removal and recovery of iodide by using a new metal-organic framework based on mixed tetrazolate and carboxylate linkers,
Materials Letters **2019**, 251, 140-143. https://doi.org/10.1016/j.matlet.2019.05.054

582. F. Zisti, S.H. Eichhorn, R. Alizadeh, A.A. Tehrani, A. Morsali,* J.M. Rawson,
Single crystals and nanoparticles of Zn (II) supramolecular compounds via sonochemical method: Synthesis, characterization and structural studies,

Inorganica Chimica Acta **2019**, 496, 118995. https://doi.org/10.1016/j.ica.2019.118995

583. K. Berijani, A. Morsali,*
Dual activity of durable chiral hydroxyl-rich MOF for asymmetric catalytic reactions,
Journal of Catalysis **2019**, 378, 28-35. https://doi.org/10.1016/j.jcat.2019.08.015

584. S.A.A. Razavi, A. Morsali,*
Function–Structure Relationship in Metal–Organic Frameworks for Mild, Green, and Fast Catalytic C–C Bond Formation,
Inorganic Chemistry **2019**, 58(21), 14429-39. https://doi.org/10.1021/acs.inorgchem.9b01819

585. F. Bigdeli, F. Rouhani, A. Morsali,* A. Ramazani,*
Ultrasonic-assisted synthesis of the nanostructures of a Co (II) metal organic framework as a highly sensitive fluorescence probe of phenol derivatives,
Ultrasonics Sonochemistry **2019**, 62,104862. https://doi.org/10.1016/j.ultsonch.2019.104862

586. 596. S. Tarasi, A.A. Tehrani, A. Morsali,*
The Effect of Methyl Group Functionality on the Host-Guest Interaction and Sensor Behavior in Metal-Organic Frameworks,
Sensors and Actuators B: Chemical **2019**,305,127341. https://doi.org/10.1016/j.snb.2019.127341

587. R. Abazari, F. Ataei, A. Morsali,* A.M.Z. Slawin, C. L. Carpenter-Warren,
A Luminescent Amine-Functionalized Metal-Organic Framework Conjugated with Folic Acid as a Targeted Biocompatible pH-Responsive Nanocarrier for Apoptosis Induction in Breast cancer cells,
ACS applied materials & interfaces **2019**, 11(49), 45442-54. https://doi.org/10.1021/acsami.9b16473

588. S. Sanati, R. Abazari, A. Morsali,* AM Kirillov, PC Junk, J Wang,
An Asymmetric Supercapacitor Based on a Non-Calcined 3D Pillared Cobalt (II) Metal–Organic Framework with Long Cyclic Stability,
Inorganic chemistry **2019**, 58(23),16100-11. https://doi.org/10.1021/acs.inorgchem.9b02658

589. N. Abdollahi, S.A.A. Razavi, A. Morsali,* M.L. Hu,*
High Capacity Hg (II) and Pb (II) Removal Using MOF-Based Nanocomposite: Cooperative Effects of Pore Functionalization and Surface-Charge Modulation,

Journal of Hazardous Materials **2019**, 387, 121667. https://doi.org/10.1016/j.jhazmat.2019.121667

590. S.A.A. Razavi, A. Morsali,*
Linker functionalized metal-organic frameworks,
Coordination Chemistry Reviews **2019**, 399, 213023. https://doi.org/10.1016/j.ccr.2019.213023

591. F. Afshariazar, A. Morsali,* J. Wang, P.C. Junk,
Highest and Fastest Removal Rate of Pb (II) Ions through Rational Functionalized Decoration of a MOF Cavity,
Chemistry–A European Journal **2019**, 26(6),1355-62. https://doi.org/10.1002/chem.201904436

592. A.R. Abbasi,* A. Moshtkob, N. Shahabadi, M.Y. Masoomi, A. Morsali,*
Synthesis of nano zinc-based metal–organic frameworks under ultrasound irradiation in comparison with solvent-assisted linker exchange: Increased storage of N2 and CO2,
Ultrasonics sonochemistry **2019**, 59, 104729. https://doi.org/10.1016/j.ultsonch.2019.104729

593. A. Jamali, F. Shemirani,* A. Morsali,*
A comparative study of adsorption and removal of organophosphorus insecticides from aqueous solution by Zr-based MOFs,
Journal of Industrial and Engineering Chemistry **2019**, 80, 83-92.
https://doi.org/10.1016/j.jiec.2019.07.034

594. M.-L. Hu,* S.A.A. Razavi, M. Piroozzadeh, A. Morsali,*
Sensing organic analytes by metal–organic frameworks: a new way of considering the topic,
Inorganic Chemistry Frontiers, **2020**, 7, 1598-1632. https://doi.org/10.1039/C9QI01617A

595. N. Varnaseri, F. Rouhani, A. Ramazani,* A. Morsali,*
Size and function influence study on enhanced catalytic performance of a cooperative MOF for mild, green and fast C–C bond formation,
Dalton Transactions **2020**, 49, 3234-3242. https://doi.org/10.1039/D0DT00433B

596. M.-H. Zheng, F. Bigdeli, L.-X. Gao, D.-Z. Wu,* X.-W. Yan, M.-L. Hu, A. Morsali,*
Synthesis, Characterization and DNA Binding Investigations of a New Binuclear Ag (I) Complex and Evaluation of Its Anticancer Property,

International journal of nanomedicine **2020**, 15, 953. https://doi.org/10.2147/IJN.S225038

597. Ü. Kökçam-Demir, A. Goldman, L. Esrafili, M. Gharib, A. Morsali,* O. Weingart, C. Janiak,* Coordinatively unsaturated metal sites (open metal sites) in metal–organic frameworks: design and applications, *Chemical Society Reviews* **2020**, 49, 2751-2798. https://doi.org/10.1039/C9CS00609E

598. R. Abazari, A. Morsali,* D.P. Dubal,
An advanced composite with ultrafast photocatalytic performance for the degradation of antibiotics by natural sunlight without oxidizing the source over TMU-5@ Ni–Ti LDH: mechanistic insight and toxicity assessment,
Inorganic Chemistry Frontiers **2020**, 7, 2287-2304. https://doi.org/10.1039/D0QI00050G

599. S. Sanati, R. Abazari, A. Morsali,*
Enhanced electrochemical oxygen and hydrogen evolution reactions using an NU-1000@ NiMn-LDHS composite electrode in alkaline electrolyte,
Chemical Communications **2020**, 56, 6652-6655. https://doi.org/10.1039/D0CC01146K

600. K.-G. Liu,* F. Rouhani, H. Moghanni-Bavil-Olyaei, X.-W. Wei, X.-M. Gao, J.-Z. Li, X.-W. Yan, M.-L. Hu,* A. Morsali,*
A conductive 1D high-nucleus silver polymer as a brilliant non-hybrid supercapacitor electrode,
Journal of Materials Chemistry A **2020**, 8, 12975-12983. https://doi.org/10.1039/D0TA04199H

601. S.A.A. Razavi, K. Berijani, A. Morsali,*
Hybrid nanomaterials for asymmetric purposes: green enantioselective C–C bond formation by chiralization and multi-functionalization approaches,
Catalysis Science & Technology **2020**, 10, 8240-8253. https://doi.org/10.1039/D0CY00823K

602. F. Afshariazar, A. Morsali,* J. Wang, P.C. Junk,
Highest and Fastest Removal Rate of PbII Ions through Rational Functionalized Decoration of a Metal–Organic Framework Cavity,
Chemistry–A European Journal **2020**, 26, 1355-1362. https://doi.org/10.1002/chem.201904436

603. K.-G. Liu,* X.-W. Wei, F. Bigdeli, X.-M. Gao, J.-Z. Li, X.-W. Yan, M.-L. Hu,* A. Morsali,*
Investigation of the Effect of a Mixed-Ligand on the Accommodation of a Templating Molecule into the

Structure of High-Nucleus Silver Clusters,
Inorganic chemistry **2020**, 59, 2248-2254. https://doi.org/10.1021/acs.inorgchem.9b02956

604. F. Zarekarizi, A. Morsali,*
Dimension Control in Mixed Linker Metal–Organic Frameworks via Adjusting the Linker Shapes,
Inorganic chemistry **2020**, 59, 2988-2996. https://doi.org/10.1021/acs.inorgchem.9b03293

605. S. Tarasi, A.A. Tehrani, A. Morsali,*
The effect of methyl group functionality on the host-guest interaction and sensor behavior in metal-organic frameworks,
Sensors and Actuators B: Chemical **2020**, 305, 127341. https://doi.org/10.1016/j.snb.2019.127341

606. L.-X. Gao, D.-Z. Wu,* F. Bigdeli, Q. Miao, M.-L. Hu,* A. Morsali,*
Synthesis of a new binuclear silver (I) complex with the ability to interact with DNA molecule,
Materials Letters **2020**, 262, 127199. https://doi.org/10.1016/j.matlet.2127199

607. F Bigdeli, CT Lollar, A Morsali,* HC Zhou,*
A Study on Switching in Metal-Organic Frameworks,
Angewandte Chemie International Edition **2020**, 59(12):4652-69.
https://doi.org/10.1002/anie.201900666

608. F. Bigdeli, F. Rouhani, A. Morsali,* A. Ramazani,*
Ultrasonic-assisted synthesis of the nanostructures of a Co (II) metal organic framework as a highly sensitive fluorescence probe of phenol derivatives,
Ultrasonics sonochemistry **2020**, 62, 104862. https://doi.org/10.1016/j.ultsonch.2019.104862

609. B.E. Azar, A. Ramazani,* S.T. Fardood, A. Morsali,
Green synthesis and characterization of ZnAl2O4@ ZnO nanocomposite and its environmental applications in rapid dye degradation,
Optik **2020**, 208, 164129. https://doi.org/10.1016/j.ijleo.2019.164129

610. H. Ghasempour, A.A. Tehrani, A. Morsali,* J. Wang, P.C. Junk,
A novel 3D pillar-layered metal-organic framework: Pore-size-dependent catalytic activity and CO2/N2 affinity,

Polyhedron **2020**, 180, 114422. https://doi.org/10.1016/j.poly.2020.114422

611. N. Abdollahi, S.A.A. Razavi, A. Morsali,* M..L. Hu,*
High capacity Hg (II) and Pb (II) removal using MOF-based nanocomposite: Cooperative effects of pore functionalization and surface-charge modulation,
Journal of hazardous materials **2020**, 387, 121667. https://doi.org/10.1016/j.jhazmat.2019.121667

612. K.-G. Liu,* F. Bigdeli, H.-J. Li, J.-Z. Li, X.-W. Yan, M.-L. Hu,* A. Morsali,*
Hexavalent Octahedral Template: A Neutral High-Nucleus Silver Alkynyl Nanocluster Emitting Infrared Light,
Inorganic chemistry **2020**, 59, 6684-6688. https://doi.org/10.1021/acs.inorgchem.0c00665

613. Morsali,* L. Hashemi,
Nanoscale coordination polymers: Preparation, function and application,
Nanoscale Coordination Chemistry **2020**, 76, 33. https://doi.org/10.1016/bs.adioch.2020.03.007

614. Ortín-Rubio, H. Ghasempour, V. Guillerm,* A. Morsali, J. Juanhuix, I. Imaz,*D. Maspoch,*
Net-Clipping: An Approach to Deduce the Topology of Metal–Organic Frameworks Built with Zigzag Ligands,
Journal of the American Chemical Society **2020**, 142, 9135-9140. https://doi.org/10.1021/jacs.0c03404

615. Ortín-Rubio, H. Ghasempour, V. Guillerm, A. Morsali, J. Juanhuix, I. Imaz, D. Maspoch,
CCDC 1990887: Experimental Crystal Structure Determination: catena-[tris (mu-naphthalene-1, 5-dicarboxylato)-(mu-oxo)-tris (N, N-dimethylformamide)-tri-iron (iii) potassium chloride hydroxide monohydrate].
Cambridge Crystallographic Data Centre **2020**. https://doi.org/10.5517/ccdc.csd.cc24tp5v

616. S.A.A. Razavi, A. Morsali,*
Metal ion detection using luminescent-MOFs: Principles, strategies and roadmap,
Coordination Chemistry Reviews **2020**, 415, 213299. https://doi.org/10.1016/j.ccr.2020.213299

617. F. Zarekarizi, A. Morsali,* O. Buyukgungor,
Rapid and Selective Water Remediation through a Functionalized Pillar's Core of a Novel Metal–Organic Framework,

Crystal Growth & Design **2020**, 20, 6109-6116. https://doi.org/10.1021/acs.cgd.0c00815

618. Q. Miao, F. Rouhani, H. Moghanni-Bavil-Olyaei, K.G. Liu,* X.M. Gao, J.Z. Li, X.D. Hu, Z.M. Jin, M.L. Hu,* A. Morsali,*
Comparative Study of the Supercapacitive Performance of Three Ferrocene-Based Structures: Targeted Design of a Conductive Ferrocene-Functionalized Coordination Polymer as a Supercapacitor Electrode, *Chemistry–A European Journal* **2020**, 26, 9518-9526. https://doi.org/10.1002/chem.202001109

619. L. Esrafili, A. Morsali,* F. Dehghani Firuzabadi, P. Retailleau,
Development of Porous Cobalt-/Copper-Doped Carbon Nanohybrids Derived from Functionalized MOFs as Efficient Catalysts for the Ullmann Cross-Coupling Reaction: Insights into the Active Centers, *ACS Applied Materials & Interfaces* **2020**, 12, 43115-43124. https://doi.org/10.1021/acsami.0c09912

620. L. Esrafili, M. Gharib, A. Morsali,* P. Retailleau,
Rational morphology control of nano-scale amide decorated metal-organic frameworks by ultrasonic method: Capability to selective and sensitive detection of nitro explosives,
*Ultrasonics sonochemistry **2020**,* 66, 105110. https://doi.org/10.1016/j.ultsonch.2020.105110

621. M. Ghorbanloo,* M. Saffari, M. Asadi, M. Klopotowski, C. Janiak,* A. Morsali,*
2D→ 3D corrugated structure self-assembled from 4, 4′-methylenebis (N-(pyridin-2-ylmethylene) aniline and terephthalic acid: Crystal structure and selective anion separations via anion exchange, Applied Organometallic *Chemistry* **2020**, 34, e5768. https://doi.org/10.1002/aoc.5768

622. S. Sanati, R. Abazari, J. Albero, A. Morsali,* H. García,* Z. Liang, R. Zou,
Metal–Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage, Angewandte Chemie *International Edition* **2020**, 60(20):11048-67.
https://doi.org/10.1002/anie.202010093

623. F. Parsa, M. Ghorbanloo, A. Morsali,* J. Wang, P.C. Junk, P. Retailleau,
Azobenzene based 2D-MOF for high selective quinone fluorescence sensing performance, *Inorganica Chimica Acta* **2020**, 510, 119699. https://doi.org/10.1016/j.ica.2020.119699

624. L. Esrafili, A. Morsali,* M.-L. Hu, A. Azhdari Tehrani, L. Carlucci, P. Mercandelli, D.M. Proserpio,

Size-Selective Urea-Containing Metal–Organic Frameworks as Receptors for Anions,
Inorganic Chemistry **2020**, 59, 16421-16429. https://doi.org/10.1021/acs.inorgchem.0c02215

625. N. Varnaseri, A. Ramazani,* A. Morsali,* F. Rouhani,
Pore wall functionalized ultrasonically synthesized cooperative MOF for luminescence sensing of 2, 4, 6-trinitrophenol,
Journal of Solid State Chemistry **2020**, 291, 121622. https://doi.org/10.1016/j.jssc.2020.121622

626. M.L. Hu,* M. Abbasi-Azad, B. Habibi, F. Rouhani, H. Moghanni-Bavil-Olyaei, K.G. Liu,* A. Morsali,*
Electrochemical Applications of Ferrocene-Based Coordination Polymers,
ChemPlusChem **2020**, 85, 2397-2418. https://doi.org/10.1002/cplu.202000584

627. S.-J. Wang, F. Bigdeli, X.-W. Yan, L. Esrafili, K.-G. Liu,* H. Ghasempour, X.-Q. Cai,* M.-L. Hu, A. Morsali,*
Synthesis of a new binuclear Cu (II) complex: A precise sensor for H2O2 and a proper precursor for preparation of the CuO nanoparticles,
Journal of Organometallic Chemistry **2020**, 926, 121507.
https://doi.org/10.1016/j.jorganchem.2020.121507

628. M. Seifpanah Sowmehesaraee, M. Ranjbar,* M. Abedi,* F. Rouhani, A. Morsali,
The effect of Zn (II) containing metal-organic frameworks on perovskite solar cells,
Progress in Color, Colorants **2020**, 14(4):259-67. https://doi.org/10.30509/PCCC.2020.166700.1081

629. F. Zarekarizi, A. Morsali,*
Ultrasonic-assisted synthesis of nano-sized metal-organic framework; a simple method to explore selective and fast Congo Red adsorption,
Ultrasonics Sonochemistry **2020**, 69, 105246. https://doi.org/10.1016/j.ultsonch.2020.105246

630. S.-J. Wang, M. Joharian, M. Naghiloo, X.-W. Yan,* R. Rasuli, F. Bigdeli, A. Morsali,*
Synthesis of the highly porous semiconductors with different electrical features using isostructural metal-organic frameworks as precursor,
Synthetic Metals **2020**, 270, 116600. https://doi.org/10.1016/j.synthmet.2020.116600

631. M.-L. Hu,* M. Joharian, S.A.A. Razavi, A. Morsali,* D.-Z. Wu,* A.A. Tehrani, J. Wang, P.C. Junk, Z.-F. Guo,
Phenolic nitroaromatics detection by fluorinated metal-organic frameworks: Barrier elimination for selective sensing of specific group of nitroaromatics,
Journal of Hazardous Materials **2020**, 406, 124501. https://doi.org/10.1016/j.jhazmat.2020.124501

632. K. Berijani, A. Morsali,*
Construction of an Asymmetric Porphyrinic Zirconium Metal–Organic Framework through Ionic Postchiral Modification,
Inorganic Chemistry **2020**, 60 (1), 206–218. https://doi.org/10.1021/acs.inorgchem.0c02811

633. B. Pepió, N. Contreras-Pereda, S. Suárez-García, P. Hayati, S. Benmansour, P. Retailleau, A. Morsali,* D. Ruiz-Molina,*
Solvent-tuned ultrasonic synthesis of 2D coordination polymer nanostructures and flakes,
Ultrasonics Sonochemistry **2020**, 72, 105425. https://doi.org/10.1016/j.ultsonch.2020.105425

634. S.-J. Wang, M.A. Alavi, F.Z. Karizi, A.A. Tehrani, X.-W. Yan, A. Morsali,* M.-L. Hu,*
A Pillar-layered Metal–Organic Framework based on Pinwheel Trinuclear Zinc-carboxylate Clusters; Synthesis and Characterization,
Materials Letters **2020**,287, 129261. https://doi.org/10.1016/j.matlet.2020.129261

635. H. Ghasempour, A. Morsali,*
Function–Topology Relationship in the Catalytic Hydrolysis of a Chemical Warfare Simulant in Two Zr-MOFs,
Chemistry–A European Journal **2020**, 26(72), 17437-44. https://doi.org/10.1002/chem.202002412

636. H. Ghasempour, K.-Y. Wang, J.A. Powell, F. ZareKarizi, X.-L. Lv, A. Morsali,* H.-C. Zhou,*
Metal–organic frameworks based on multicarboxylate linkers,
Coordination Chemistry Reviews **2021**, 426, 213542. https://doi.org/10.1016/j.ccr.2020.213542

637. L. Esrafili, F.D. Firuzabadi, A. Morsali, M.-L. Hu,
Reuse of predesigned dual-functional metal organic frameworks (DF-MOFs) after heavy metal removal,
Journal of Hazardous Materials, **2021**, 403, 123696. https://doi.org/10.1016/j.jhazmat.2020.123696

638. R. Abazari, L. Esrafili, A. Morsali,* Y. Wu,* J. Gao,*
PMo12@ UiO-67 nanocomposite as a novel non-leaching catalyst with enhanced performance durability for sulfur removal from liquid fuels with exceptionally diluted oxidant,
Applied Catalysis B: Environmental **2021**, 283, 119582. 650.
https://doi.org/10.1016/j.apcatb.2020.119582

639. K.-G. Liu,* Z. Sharifzadeh, F. Rouhani, M. Ghorbanloo, A. Morsali,*
Metal-organic framework composites as green/sustainable catalysts,
Coordination Chemistry Reviews **2021**,436, 213827. https://doi.org/10.1016/j.ccr.2021.213827

640. Z. Sharifzadeh, K. Berijani, A. Morsali,*
High performance of ultrasonic-assisted synthesis of two spherical polymers for enantioselective catalysis,
Ultrasonics sonochemistry **2021**, 73, 105499. https://doi.org/10.1016/j.ultsonch.2021.105499

641. SJ Wang, MA Alavi, FZ Karizi, AA Tehrani, XW Yan, A Morsali,* ML Hu,*
A pillar-layered metal-organic framework based on pinwheel trinuclear zinc-carboxylate clusters; synthesis and characterization,
Materials Letters **2021**, 287, 129261. https://doi.org/10.1016/j.matlet.2020.129261

642. Q.-S. Wu, F. Bigdeli, F. Rouhani, X.-M. Gao, H. Kaviani, H.-J. Li, W. Wang, K.-G. Liu,* M.-L. Hu, X.-Q. Cai,* Ali Morsali,*
New 3D Porous Silver Nanopolycluster as a Highly Effective Supercapacitor Electrode: Synthesis and Study of the Optical and Electrochemical Properties,
Inorganic Chemistry **2021**, 60, 1523. https://doi.org/10.1021/acs.inorgchem.0c02875

643. R. Abazari, S. Sanati, A. Morsali,* A.M. Kirillov, A.M. Slawin, C.L. Carpenter-Warren,
Simultaneous Presence of Open Metal Sites and Amine Groups on a 3D Dy (III)-Metal–Organic Framework Catalyst for Mild and Solvent-Free Conversion of CO2 to Cyclic Carbonates,
Inorganic Chemistry **2021**, 60, 2056. https://doi.org/10.1021/acs.inorgchem.0c03634

644. X.M. Gao, F. Bigdeli, H.H. Wang, Y. Hanifehpour, L. Esrafili, J.Z. Li, W. Wang, K.G. Liu*
,X.Q. Cai,* A. Morsali,*
Facile synthesis of two new hexa-/octa-nuclear silver clusters and investigation of their optical features,

Polyhedron **2021**, 194, 114940. https://doi.org/10.1016/j.poly.2020.114940

645. Z. Sharifzadeh, K. Berijani, A. Morsali,*
Chiral metal–organic frameworks based on asymmetric synthetic strategies and applications.
Coordination Chemistry Reviews **2021**, 445, 214083. https://doi.org/10.1016/j.ccr.2021.214083

646. F. D. Firuzabadi, M. A. Alavi, F. Zarekarizi, A. A. Tehrani, A. Morsali,*
A pillared metal-organic framework with rich π-electron linkers as a novel fluorescence probe for the highly selective and sensitive detection of nitroaromatics.
Colloids and Surfaces A: Physicochemical and Engineering Aspects **2021**, 622, 126631.
https://doi.org/10.1016/j.colsurfa.2021.126631

647. S. Tarasi, A. Morsali,*
Fabrication of transparent ultraviolet blocking films using nanocomposites derived from metal-organic frameworks.
Journal of Alloys and Compounds **2021**, 868, 158996. https://doi.org/10.1016/j.jallcom.2021.158996

648. L. Aboutorabi, A. Morsali,*
Crystal structures and evaluated of structural transformations of three novel Lead (II) halide/pseudohalide coordination polymers: Effect of sonochemical synthesis conditions on morphology and particle size.
Journal of Solid State Chemistry **2021**, 122390. https://doi.org/10.1016/j.jssc.2021.122390

649. R. Abazari, S. Sanati, A. Morsali,* A.M. Kirillov,
Instantaneous Sonophotocatalytic Degradation of Tetracycline over NU-1000@ ZnIn2S4 Core–Shell Nanorods as a Robust and Eco-friendly Catalyst.
Inorganic Chemistry **2021**. https://doi.org/10.1021/acs.inorgchem.1c00951

650. F. Afshar, A. Morsali, S. Sorbara, N. Padial, E. Roldan-Molina, J.E. Oltra, J.V. Colombo, J.A. Navarro,*
Impact of Pore Size and Defects on the Selective Adsorption of Acetylene in Alkyne-Functionalized Nickel (II)-Pyrazolate-Based MOFs.
Chemistry–A European Journal **2021**. https://doi.org/10.1002/chem.202100821

651. K.G. Liu,* Z. Sharifzadeh, F. Rouhani, M. Ghorbanloo, A. Morsali,*
Metal-organic framework composites as green/sustainable catalysts.
Coordination Chemistry Reviews **2021**, 436, 213827. https://doi.org/10.1016/j.ccr.2021.213827

652. H. Sohrabi, S. Javanbakht, F. Oroojalian, F. Rouhani,Y. Hanifehpour, M. Hashemzaei, A. Shaabani, A. Mokhtarzadeh,* A. Morsali,*
Nanoscale Metal-Organic Frameworks: Recent Developments in Synthesis, Modifications and Bioimaging Applications,
Chemosphere **2021**, 130717. https://doi.org/10.1016/j.chemosphere.2021.130717

653. S. Sanati, A. Abazari, J. Albero, A. Morsali,* H. García,* Z. Liang, R. Zou,
Metal–Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage,
Angewandte Chemie International Edition **2021**, 60 (20), 11048-11067.
https://doi.org/10.1002/anie.202010093

654. T. Grancha, A. Carné-Sánchez,* F. Zarekarizi, L. Hernández-López, J. Albalad, A. Khobotov, V. Guillerm, A. Morsali, J. Juanhuix, F. Gándara, D. Maspoch,*
Synthesis of Polycarboxylate Rhodium (II) Metal–Organic Polyhedra (MOPs) and their use as Building Blocks for Highly Connected Metal–Organic Frameworks (MOFs),
Angewandte Chemie International Edition **2021**,60,5729-5733. https://doi.org/10.1002/anie.202013839

655. Mojtaba Khanpour, Wen-Zhou Deng, Zhi-Bin Fang, Yu-Lin Li, Qi Yin, An-An Zhang, Farzaneh Rouhani, Ali Morsali,* Tian-Fu Liu*

Radiochromic Hydrogen-Bonded Organic Frameworks for X-ray Detection, Chemistry–A European Journal **2021**, 27, 10957-10965. **https://doi.org/10.1002/chem.202101061**

656. S Tarasi, A Ramazani,* A Morsali,* ML Hu,*

Highly Sensitive Colorimetric Naked-Eye Detection of Hg^{II} Using a Sacrificial Metal–Organic Framework, Inorganic Chemistry, 2021, 60, 13588-13595. https://doi.org/10.1021/acs.inorgchem.1c01894

657. H Ghasempour, F ZareKarizi, A Morsali,* XW Yan,*
Development of a highly porous Fe-based MOF using symmetrically incompatible building blocks: Selective oxidation of benzyl alcohols,
Applied Materials Today, **2021**, 24, 101157-101164. https://doi.org/10.1016/j.apmt.2021.101157

658. LD Ye, F Rouhani, H Kaviani, Q Miao, XQ Cai, A Morsali,* ML Hu,*
Effect of Proton Conduction on the Charge Storage Mechanism of a MOF as a Supercapacitor Electrode, The Journal of Physical Chemistry C **2021**, 125), 22951-22959, https://doi.org/10.1021/acs.jpcc.1c03690

659. P. Abdolalian, A Morsali,* SK Tizhoush,
Sono-synthesis of basic metal-organic framework for reusable catalysis of organic reactions in the eco-friendly conditions, Journal of Solid State Chemistry, **2021**, 303, 122525-122533. https://doi.org/10.1016/j.jssc.2021.122525

660. Gang-Yin Yan,* Ya-Ni Zhao, Lida Hashemi, Fahime Bigdeli, Ze-Ju Qian, Li-Ping Qiao, Kuan-Guan Liu, Ali Morsali*,
Mechanochemical solid state architectonics on Lead(II) coordination polymer by anion-exchange, Journal of Solid State Chemistry, **2022**, 304, 122592-122599.
https://doi.org/10.1016/j.jssc.2021.122592

661. Yun-Hong Xi,* Xin Yan, Fahime Bigdeli, Qianwen Zhang, Leili Esrafili, Younes Hanifehpour, Wei-Bing Zhang, Mao-Lin Hu,* Ali Morsali,*
Two new Cu (II) complexes based on 5-fluorouracil-1-yl acetic acid and N-donor ligands: Investigation of their interaction with DNA and anticancer activity, Applied Organometallic Chemistry, **2022**, 36, e6458-e-6463. https://doi.org/10.1002/aoc.6458

662. Leila Aboutorabi, Ali Morsali*,

Synthesis, crystal structures and reversible solid-state crystal-to-crystal transformation of three isostructural lead (ii) halide coordination polymers CrystEngComm, **2022**,24, 1049-1055, https://doi.org/10.1039/D1CE01509E

663. Masoumeh Chamack, Madjid Ifires, Sayed Ali Akbar Razavi, Ali Morsali*****, Ahmed Addad, Afsanehsadat Larimi*****, Sabine Szunerits, Rabah Boukherroub*****

Photocatalytic Performance of Perovskite and Metal–Organic Framework Hybrid Material for the Reduction of N_2 to Ammonia, *Inorganic Chemistry,* **2022**, 61, 1735–1744

https://doi.org/10.1021/acs.inorgchem.1c03622

664. M Abbasi-Azad, F Rouhani, A Morsali*,

Highly sensitive amine functionalized metal-organic framework for selective fluorometric determination of Cr(III) in aqueous solution

Colloids and Surfaces A: Physicochemical and Engineering Aspects, **2022**, 633, 127778-127783. https://doi.org/10.1016/j.colsurfa.2021.127778

665. FA Mashkani, H Gharibi*, M Amani, M Zhiani, A Morsali,

A novel electrocatalyst based on Fe-ZIF-PPY nanocomposite for oxygen reduction reaction in air-breathing direct-ethanol fuel cell, Applied Surface Science**, 2022,** 584, 152529-152535. https://doi.org/10.1016/j.apsusc.2022.152529

666. R Abazari, S Sanati, A Morsali*,

Mixed Metal Fe_2Ni MIL-88B Metal–Organic Frameworks Decorated on Reduced Graphene Oxide as a Robust and Highly Efficient Electrocatalyst for Alkaline Water, Inorganic Chemistry, **2022**, 61, 3396–3405, https://doi.org/10.1021/acs.inorgchem.1c03216.

667 . Soheila Javadian*, Zohre Parviz, Pejman Salimi, Mokhtar Nasrollahpour, Hussein Gharibi, Hamideh Kashani, Ali Morsali, Remo Proietti Zaccaria, Engineering cobalt-based nanoparticles encapsulated in hierarchical porous N-doped carbon as an efficient electrode for Li storage, Journal of Alloys and Compounds, **2022**, 898, 162849-162854. https://doi.org/10.1016/j.jallcom.2021.162849

668. Gang-Yin Yan,* Ze-Ju Qian, Farzaneh Rouhani, Hamed Kaviani, Lida Hashemi, Fahime Bigdeli, Xue-Mei Gao, Li-Ping Qiao, Kuan-Guan Liu, Ali Morsali,* Tianfu Liu,

Engineered design of a new HOF by simultaneous monitoring of reaction environment conductivity, Journal of Solid State Chemistry, **2022**, 307, 122834-122839. https://doi.org/10.1016/j.jssc.2021.122834.

669. Z Sharifzadeh, A Morsali*,

Amine-Functionalized Metal-Organic Frameworks: from Synthetic Design to Scrutiny in Application, Coordination Chemistry Reviews **2022**,459, 214445-21491. https://doi.org/10.1016/j.ccr.2022.214445.

670. Xiao-Wei Yan, Maniya Gharib, Leili Esrafili, Su-Juan Wang*, Kuan-Guan Liu, Ali Morsali*,

Ultrasound Irradiation Assisted Synthesis of Luminescent Nano Amide-Functionalized Metal-Organic Frameworks; Application Toward Phenol Derivatives Sensing, Frontiers in chemistry, 2022, 10, 855886-855896.

https://doi.org/10.3389/fchem.2022.855886

671. H Ghasempour, F Zarekarizi, A Morsali, Acyl amide-functionalized and water-stable iron-based MOF for rapid and selective dye removal, CrystEngComm 2022, 24, 4074-4084.

https://doi.org/10.1039/D2CE00369D

671. S Sanati, A Morsali*, H Garcia*, First-row transition metal-based materials derived from bimetallic metal-organic frameworks as highly efficient electrocatalysts for electrochemical water splitting, Energy & Environmental Science, 2022,**15**, 3119-3151.

https://doi.org/10.1039/D1EE03614A

672. F Afshariazar, A Morsali*, The unique opportunities of mechanosynthesis in green and scalable fabrication of metal–organic frameworks, Journal of Materials Chemistry A 10, 15332-15369.

https://doi.org/10.1039/D2TA02699F

673. M. Gharib, L. Esrafili, A. Morsali*, C.M.L. Vande Velde, Z Guo, PC Junk, Effective Dual-Functional Metal–Organic Framework (DF-MOF) as a Catalyst for the Solvent-Free Cycloaddition Reaction, *Inorganic Chemistry.* 2022, 61, 6725–6732

https://doi.org/10.1021/acs.inorgchem.1c03122

674. S,A.A Razavi, A Morsali*, M Piroozzadeh, A Dihydrotetrazine-Functionalized Metal–Organic Framework as a Highly Selective Luminescent Host–Guest Sensor for Detection of 2, 4, 6-Trinitrophenol, *Inorganic Chemistry.* 2022, 61, 7820–7834

https://doi.org/10.1021/acs.inorgchem.2c00308

675. S. Tarasi, A. Ramazani*, A. Morsali*, M.L. Hu*, S. Ghafghazi, R. Tarasi, Y. Ahmadi, Drug Delivery Using Hydrophilic Metal–Organic Frameworks (MOFs): Effect of Structure Properties of MOFs on Biological Behavior of Carriers, *Inorganic Chemistry.* 2022, 61, 13125-13132.

https://doi.org/10.1021/acs.inorgchem.2c01820

676. H Ghasempour, B Habibi, F Zarekarizi, A Morsali*, ML Hu*, Converting a Non-Porous Rare-Earth Metal–Organic Framework into a Porous Yttrium-Based NH_2UiO-66 Network via a Linker Exchange Approach, *Inorganic Chemistry.* 2022, 61, 16221–16227.

https://doi.org/10.1021/acs.inorgchem.2c01493

677. L.L. Hou, F. Bigdeli, X. Cheng, L.X. Wang, J.W. Zhang, K.G. Liu*, A. Morsali*, Synthesis of Two Neutral Silver Alkynyl Nanoclusters by a Single Divalent Tetrahedral Anion Template and a Study of Their Optical Features, *Inorganic Chemistry.* 2022, 61, 16693–16698.

https://doi.org/10.1021/acs.inorgchem.2c02407

678. Q. Miao, A. Hakimifar, S.A.A. Razavi, H. Abbasi, A.A. Tehrani, J.Q. Chen, M.L. Hu*, A. Morsali*, P. Retaileau, Multi-functionalization strategy for environmental monitoring: A metal-organic framework for high capacity Mercury (II) removal and exceptionally sensitive detection of nitroaromatics, Journal of Cleaner Production, 2022, 376, 134301-134312.

https://doi.org/10.1016/j.jclepro.2022.134301

679. Z Parviz, P Salimi, S Javadian*, H Gharibi, A Morsali, E Bayat, L Leoncino, Simone Lauciello, Remo Proietti Zaccaria, Fabrication of Sustainable Hybrid MOF/Silica Electrodes for Current Lithium-ion Batteries and Beyond, ACS Applied Energy Materials 5 (12), 15155-15165

https://doi.org/10.1021/acsaem.2c02821

680. Y Peng, S Sanati, A Morsali*, H García*, Metal–Organic Frameworks as Electrocatalysts, Angewandte Chemie, 2023, 125, 9, e202214707.

https://doi.org/10.1002/ange.202214707

681. K Berijani, A Morsali*, H Garcia*, Synthetic strategies to obtain MOFs and related solids with multimodal pores, Microporous and Mesoporous Materials, 2023, 349, 1, 112410

https://doi.org/10.1016/j.micromeso.2022.112410

682. Dong-Nan Yu, Zi-Xuan Yao, Fahime Bigdeli, Xue-Mei Gao, Xun Cheng, Jing-Zhe Li, Jing-Wen Zhang, Wei Wang, Zong-Jie Guan, Yongfeng Bu, Kuan-Guan Liu*, Ali Morsali*, Synthesis and Study of Photothermal

Properties of a Mixed-Valence Nanocluster CuI/CuII with Strong near-Infrared Optical Absorption Supported by 4-tert-Butylcalix [4] arene Ligand, Inorganic Chemistry, 2023, 62, 1, 401–407

https://doi.org/10.1021/acs.inorgchem.2c03501

683. Jia-Qian Chen, Leili Esrafili, Fatemeh Parsa, An-Na Sun, Mao-Lin Hu*, Ali Morsali*, Pascal Retailleau, Zhifang Guo, Peter C Junk, Multi-functionalized MOFs with large-pore apertures as luminescent probes for efficient sensing of quinones, New Journal of Chemistry 47 (10), 4920-4930

https://doi.org/10.1039/D2NJ05689E

684. S Sanati, A Morsali*, H García*, Efficient bifunctional hydrogen and oxygen evolution reaction electrocatalyst based on the NU-1000/CuCo2S4 heterojunction, International Journal of Hydrogen Energy, In press.

https://doi.org/10.1016/j.ijhydene.2022.12.313

685. JQ Chen, Z Sharifzadeh, F Bigdeli, S Gholizadeh, Z Li, ML Hu*, A Morsali*, MOF Composites as high Potential Materials for Hazardous Organic Contaminants Removal in Aqueous Environments, Journal of Environmental Chemical Engineering, 11, 2, 109469.

https://doi.org/10.1016/j.jece.2023.109469

686. F Afshariazar, A Morsali*, P Retailleau, Investigation of the Influence of Functionalization Strategy on Urea 2D MOF Catalytic Performance, Inorganic Chemistry, 2023, 62, 8, 3498–3505.

https://doi.org/10.1021/acs.inorgchem.2c03825

687. Hao-Hai Wang, Jianyu Wei, Fahime Bigdeli, Farzaneh Rouhani, Hai-Feng Su, Ling-Xiao Wang, Samia Kahlal, Jean-François Halet, Jean-Yves Saillard, Ali Morsali*, Kuan-Guan Liu*

Monocarboxylate-protected two-electron superatomic silver nanoclusters with high photothermal conversion performance

Nanoscale, 2023, 15, 8245-8254

688. PS Abhari, S Gholizadeh, F Rouhani*, YL Li, A Morsali*, TF Liu*

Recent progress in gas separation platforms based on hydrogen-bonded organic frameworks (HOFs)

Inorganic Chemistry Frontiers, 2023, 10, 6134-6159

689. Z Sharifzadeh, SAA Razavi, A Morsali*

Construction of hierarchically chiral metal–organic frameworks for fast and mild asymmetric catalysis

Green Chemistry, 2023, 25, 8661-8678

690. F Bigdeli, MNA Fetzer, B Nis, A Morsali*, C Janiak*

Coordination modulation: A way to improve the properties of metal-organic frameworks

Journal of Materials Chemistry A, 2023, 11, 22105-22131

691. KG Liu*, F Bigdeli, Z Sharifzadeh, S Gholizadeh, A Morsali*

Role of metal-organic framework composites in removal of inorganic toxic contaminants

Journal of Cleaner Production, 2023, 404, 136709

692. Wen-Wu Zhong*, Fahimeh Dehghani Firuzabadi, Younes Hanifehpour*, Xue Zeng, Yuan-Jiao Feng, Kuan-Guan Liu, Sang Woo Joo*, Ali Morsali*, Pascal Retailleau

Two-Dimensional Mixed-Ligand Metal–Organic Framework Constructed from Bridging Bidentate V-Shaped Ligands

Inorganics, 2023, 11, 184

693. Atefeh Ashoori, Abolhassan Noori, Mohammad S Rahmanifar, Ali Morsali, Nasim Hassani, Mehdi Neek-Amal, Hosein Ghasempour, Xinhui Xia, Yongqi Zhang, Maher F El-Kady, Richard B Kaner*, Mir F Mousavi*

Tailoring Metal–Organic Frameworks and Derived Materials for High-Performance Zinc–Air and Alkaline Batteries

ACS Applied Materials & Interfaces, 2023, 15, 30220−30239

694. Jianyu Wei, Fahime Bigdeli, Ling-Xiao Wang, Lin-Lin Hou, Akram Panjehpour, Yue Ma, Kang-Zhou Wang, Ali Morsali*, Kuan-Guan Liu*

Template-Free Synthesis of Two New Luminescent One-Dimensional High-Nuclearity Silver Polyclusters

Inorganic Chemistry, 2023, 62, 10185−10192

695. Xiao-Wei Yan, Somayeh Tarasi, Su-Juan Wang, Kobra Rostamizadeh, Mao-Lin Hu*, Ali Morsali*, Ali Ramazani*, Roghayeh Tarasi, Yavar Ahmadi

Influence of pore structural properties in metal-organic frameworks on the host-guest interaction in drug delivery

Arabian Journal of Chemistry, 2023, 16 (8), 104887

696. SAA Razavi, E Habibzadeh, A Morsali*

Multifunctional Roles of Dihydrotetrazine-Decorated Zr-MOFs in Photoluminescence and Colorimetrism for Discrimination of Arsenate and Phosphate Ions in Water

ACS Applied Materials & Interfaces, 2023, 15 (33), 39319-39331

697. Xiao-Wei Yan, Azar Hakimifar, Fahime Bigdeli, Younes Hanifehpour, Su-Juan Wang*, Kuan-Guan Liu, Ali Morsali*, Sang Woo Joo*

Rapid and Selective Sensing of 2, 4, 6-Trinitrophenol via a Nano-Plate Zn (II)-Based MOF Synthesized by Ultrasound Irradiation

XW Yan, A Hakimifar, F Bigdeli, Y Hanifehpour, SJ Wang*, KG Liu, ...

Crystals, 2023, 13 (9), 1344

698. Z Karimzadeh, B Shokri*, A Morsali*

The cold plasma synthesis of hierarchical MOF-based nanocomposites with improved electrochemical properties for energy storage devices

Applied Physics Letters, 2023, 10, 123

699. S Sanati, A Morsali*, H García*

Metal-organic framework-based materials as key components in electrocatalytic oxidation and reduction reactions

Journal of Energy Chemistry, 2023, 87, 540-567

700. Z Karimzadeh, B Shokri*, A Morsali*

Rapid cold plasma synthesis of cobalt metal–organic framework/reduced graphene oxide nanocomposites for use as supercapacitor electrodes

Scientific Reports, 2023, 13 (1), 15156

701. Kuan-Guan Liu*, Fahime Bigdeli, Akram Panjehpour, Afsanehsadat Larimi, Ali Morsali*, Amarajothi Dhakshinamoorthy*, Hermenegildo Garcia*

Metal organic framework composites for reduction of CO2

Coordination Chemistry Reviews, 2023, 493, 215257

702. MMH Mondol, I Ahmed, HJ Lee, A Morsali, SH Jhung*

Metal–organic frameworks and metal–organic framework-derived materials for denitrogenation of liquid fuel via adsorption and catalysis

Coordination Chemistry Reviews 2023, 495, 215382

703. KG Liu*, F Bigdeli, A Panjehpour, SH Jhung, HAJ Al Lawati*, A Morsali*

Potential applications of MOF composites as selective membranes for separation of gases

Coordination Chemistry Reviews, 2023, 496, 215413

704. Z Sharifzadeh, A Morsali*

Defect engineering enables synergistic action of hierarchical porosity and multifunctionality for efficient catalysis of diverse reactions

Applied Materials Today 2024, 35, 101971

705. Q Yin, K Pang, YN Feng, L Han, A Morsali, XY Li, TF Liu*

Hydrogen-bonded organic frameworks in solution enables continuous and high-crystalline membranes

Nature Communications 2024 15 (1), 634

706. XW Yan, Z Sharifzadeh, SJ Wang, A Morsali,

Modulated assembly of multi-variate MOFs: The roles of functional defects in high capacity Hg (II) and Pb (I
asymmetric catalysis

Journal of Cleaner Production, 2024, 443, 140704