

# Alireza Azhdari Tehrani

## List of Publications by Year in descending order

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462  
papers

17,381  
citations

14655

66  
h-index

29157

104  
g-index

517  
all docs

517  
docs citations

517  
times ranked

11316  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two new Cu (II) complexes based on 5-acyluracil-1-yl acetic acid and N-donor ligands: Investigation of their interaction with DNA and anticancer activity. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6458.	3.5	3
2	Highly sensitive amine functionalized metal-organic framework for selective fluorometric determination of Cr(III) in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 633, 127778.	4.7	4
3	Engineering cobalt-based nanoparticles encapsulated in hierarchical porous N-doped carbon as an efficient electrode for Li storage. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162849.	5.5	11
4	Photocatalytic Performance of Perovskite and Metal-Organic Framework Hybrid Material for the Reduction of N <sub>2</sub> to Ammonia. <i>Inorganic Chemistry</i> , 2022, 61, 1735-1744.	4.0	15
5	Synthesis, crystal structures and reversible solid-state crystal-to-crystal transformation of three isostructural lead(ii) halide coordination polymers with different luminescence properties in bulk and nanoscale. <i>CrystEngComm</i> , 2022, 24, 1049-1055.	2.6	0
6	Mixed Metal Fe <sub>2</sub> Ni MIL-88B Metal-Organic Frameworks Decorated on Reduced Graphene Oxide as a Robust and Highly Efficient Electrocatalyst for Alkaline Water Oxidation. <i>Inorganic Chemistry</i> , 2022, 61, 3396-3405.	4.0	68
7	Ultrasound Irradiation Assisted Synthesis of Luminescent Nano Amide-Functionalized Metal-Organic Frameworks; Application Toward Phenol Derivatives Sensing. <i>Frontiers in Chemistry</i> , 2022, 10, 855886.	3.6	3
8	Amine-Functionalized Metal-Organic Frameworks: from Synthetic Design to Scrutiny in Application. <i>Coordination Chemistry Reviews</i> , 2022, 459, 214445.	18.8	47
9	Acyl amide-functionalized and water-stable iron-based MOF for rapid and selective dye removal. <i>CrystEngComm</i> , 2022, 24, 4074-4084.	2.6	15
10	Effective Dual-Functional Metal-Organic Framework (DF-MOF) as a Catalyst for the Solvent-Free Cycloaddition Reaction. <i>Inorganic Chemistry</i> , 2022, 61, 6725-6732.	4.0	5
11	A Dihydropyridazine-Functionalized Metal-Organic Framework as a Highly Selective Luminescent Host-Guest Sensor for Detection of 2,4,6-Trinitrophenol. <i>Inorganic Chemistry</i> , 2022, 61, 7820-7834.	4.0	26
12	First-row transition metal-based materials derived from bimetallic metal-organic frameworks as highly efficient electrocatalysts for electrochemical water splitting. <i>Energy and Environmental Science</i> , 2022, 15, 3119-3151.	30.8	125
13	The unique opportunities of mechanosynthesis in green and scalable fabrication of metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15332-15369.	10.3	9
14	Metal-organic frameworks based on multicarboxylate linkers. <i>Coordination Chemistry Reviews</i> , 2021, 426, 213542.	18.8	158
15	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie</i> , 2021, 133, 11148-11167.	2.0	12
16	Reuse of Pre-designed Dual-Functional Metal Organic Frameworks (DF-MOFs) after Heavy Metal Removal. <i>Journal of Hazardous Materials</i> , 2021, 403, 123696.	12.4	137
17	Synthesis of Polycarboxylate Rhodium(II) Metal-Organic Polyhedra (MOPs) and their use as Building Blocks for Highly Connected Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5729-5733.	13.8	45
18	Phenolic nitroaromatics detection by fluorinated metal-organic frameworks: Barrier elimination for selective sensing of specific group of nitroaromatics. <i>Journal of Hazardous Materials</i> , 2021, 406, 124501.	12.4	65

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19	Synthesis of Polycarboxylate Rhodium(II) Metal-Organic Polyhedra (MOPs) and their use as Building Blocks for Highly Connected Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie</i> , 2021, 133, 5793-5797.	2.0	3
20	Construction of an Asymmetric Porphyrinic Zirconium Metal-Organic Framework through Ionic Postchiral Modification. <i>Inorganic Chemistry</i> , 2021, 60, 206-218.	4.0	21
21	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11048-11067.	13.8	179
22	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 CO <sub>2</sub> to Cyclic Carbonates. <i>Inorganic Chemistry</i> , 2021, 60, 2056-2067.	4.0	105
23	A dual-response regenerable luminescent 2D-MOF for nitroaromatic sensing <i>via</i> target-modulation of active interaction sites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12849-12858.	5.5	15
24	Facile synthesis of two new hexa-/octa-nuclear silver clusters and investigation of their optical features. <i>Polyhedron</i> , 2021, 194, 114940.	2.2	3
25	New 3D Porous Silver Nanopolycrystal as a Highly Effective Supercapacitor Electrode: Synthesis and Study of the Optical and Electrochemical Properties. <i>Inorganic Chemistry</i> , 2021, 60, 1523-1532.	4.0	13
26	A pillar-layered metal-organic framework based on pinwheel trinuclear zinc-carboxylate clusters; synthesis and characterization. <i>Materials Letters</i> , 2021, 287, 129261.	2.6	25
27	Solvent-tuned ultrasonic synthesis of 2D coordination polymer nanostructures and flakes. <i>Ultrasonics Sonochemistry</i> , 2021, 72, 105425.	8.2	12
28	PMo12@UiO-67 nanocomposite as a novel non-leaching catalyst with enhanced performance durability for sulfur removal from liquid fuels with exceptionally diluted oxidant. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119582.	20.2	118
29	High performance of ultrasonic-assisted synthesis of two spherical polymers for enantioselective catalysis. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105499.	8.2	11
30	Instantaneous Sonophotocatalytic Degradation of Tetracycline over NU-1000@ZnIn <sub>2</sub> S <sub>4</sub> Core-Shell Nanorods as a Robust and Eco-friendly Catalyst. <i>Inorganic Chemistry</i> , 2021, 60, 9660-9672.	4.0	57
31	Metal-organic framework composites as green/sustainable catalysts. <i>Coordination Chemistry Reviews</i> , 2021, 436, 213827.	18.8	105
32	Radiochromic Hydrogen-Bonded Organic Frameworks for X-ray Detection. <i>Chemistry - A European Journal</i> , 2021, 27, 10957-10965.	3.3	18
33	Impact of Pore Size and Defects on the Selective Adsorption of Acetylene in Alkyne-Functionalized Nickel(II)-Pyrazolate-Based MOFs. <i>Chemistry - A European Journal</i> , 2021, 27, 11837-11844.	3.3	10
34	Fabrication of transparent ultraviolet blocking films using nanocomposites derived from metal-organic frameworks. <i>Journal of Alloys and Compounds</i> , 2021, 868, 158996.	5.5	10
35	Highly Sensitive Colorimetric Naked-Eye Detection of Hg <sup>II</sup> Using a Sacrificial Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2021, 60, 13588-13595.	4.0	8
36	A pillared metal-organic framework with rich $\pi$ -electron linkers as a novel fluorescence probe for the highly selective and sensitive detection of nitroaromatics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126631.	4.7	8

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37	Development of a highly porous Fe-based MOF using symmetrically incompatible building blocks: Selective oxidation of benzyl alcohols. <i>Applied Materials Today</i> , 2021, 24, 101157.	4.3	6
38	Chiral metal-organic frameworks based on asymmetric synthetic strategies and applications. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214083.	18.8	65
39	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. <i>Chemosphere</i> , 2021, 281, 130717.	8.2	45
40	Sono-synthesis of basic metal-organic framework for reusable catalysis of organic reactions in the eco-friendly conditions. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122525.	2.9	8
41	High specific capacitance of a 3D-metal-organic framework-confined growth in CoMn <sub>2</sub> O <sub>4</sub> nanostars as advanced supercapacitor electrode materials. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11001-11012.	10.3	80
42	The role of metal-organic porous frameworks in dual catalysis. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3618-3658.	6.0	30
43	Ultrasonic-assisted fabrication of F-MOFs: morphology and types of pillar-dependent sensing performance to phenolic NAC detection. <i>New Journal of Chemistry</i> , 2021, 45, 20869-20876.	2.8	2
44	Effect of Proton Conduction on the Charge Storage Mechanism of a MOF as a Supercapacitor Electrode. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22951-22959.	3.1	13
45	Switching in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4652-4669.	13.8	211
46	Schalten in Metallorganischen GerÄ¼sten. <i>Angewandte Chemie</i> , 2020, 132, 4680-4699.	2.0	22
47	The effect of methyl group functionality on the host-guest interaction and sensor behavior in metal-organic frameworks. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127341.	7.8	25
48	Ultrasonic-assisted synthesis of the nanostructures of a Co(II) metal organic framework as a highly sensitive fluorescence probe of phenol derivatives. <i>Ultrasonics Sonochemistry</i> , 2020, 62, 104862.	8.2	38
49	Bilateral photocatalytic mechanism of dye degradation by a designed ferrocene-functionalized cluster under natural sunlight. <i>Catalysis Science and Technology</i> , 2020, 10, 757-767.	4.1	85
50	Synthesis of a new binuclear silver(I) complex with the ability to interact with DNA molecule. <i>Materials Letters</i> , 2020, 262, 127199.	2.6	10
51	High capacity Hg(II) and Pb(II) removal using MOF-based nanocomposite: Cooperative effects of pore functionalization and surface-charge modulation. <i>Journal of Hazardous Materials</i> , 2020, 387, 121667.	12.4	127
52	Highest and Fastest Removal Rate of Pb <sup>II</sup> Ions through Rational Functionalized Decoration of a Metal-Organic Framework Cavity. <i>Chemistry - A European Journal</i> , 2020, 26, 1355-1362.	3.3	21
53	Synthesis of a new binuclear Cu(II) complex: A precise sensor for H <sub>2</sub> O <sub>2</sub> and a proper precursor for preparation of the CuO nanoparticles. <i>Journal of Organometallic Chemistry</i> , 2020, 926, 121507.	1.8	10
54	Electrochemical Applications of Ferrocene-Based Coordination Polymers. <i>ChemPlusChem</i> , 2020, 85, 2397-2418.	2.8	77

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55	Rapid and Selective Water Remediation through a Functionalized Pillar <sup>TM</sup> s Core of a Novel Metal <sup>TM</sup> Organic Framework. <i>Crystal Growth and Design</i> , 2020, 20, 6109-6116.	3.0	6
56	Function <sup>TM</sup> Topology Relationship in the Catalytic Hydrolysis of a Chemical Warfare Simulant in Two Zr <sup>TM</sup> MOFs. <i>Chemistry - A European Journal</i> , 2020, 26, 17437-17444.	3.3	8
57	Pore wall functionalized ultrasonically synthesized cooperative MOF for luminescence sensing of 2,4,6-trinitrophenol. <i>Journal of Solid State Chemistry</i> , 2020, 291, 121622.	2.9	19
58	Synthesis of the highly porous semiconductors with different electrical features using isostructural metal-organic frameworks as precursor. <i>Synthetic Metals</i> , 2020, 270, 116600.	3.9	2
59	Size-Selective Urea-Containing Metal <sup>TM</sup> Organic Frameworks as Receptors for Anions. <i>Inorganic Chemistry</i> , 2020, 59, 16421-16429.	4.0	48
60	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 43115-43124.	8.0	24
61	Hybrid nanomaterials for asymmetric purposes: green enantioselective C <sup>TM</sup> C bond formation by chiralization and multi-functionalization approaches. <i>Catalysis Science and Technology</i> , 2020, 10, 8240-8253.	4.1	13
62	Comparative Study of the Supercapacitive Performance of Three Ferrocene <sup>TM</sup> Based Structures: Targeted Design of a Conductive Ferrocene <sup>TM</sup> Functionalized Coordination Polymer as a Supercapacitor Electrode. <i>Chemistry - A European Journal</i> , 2020, 26, 9518-9526.	3.3	23
63	Azobenzene based 2D-MOF for high selective quinone fluorescence sensing performance. <i>Inorganica Chimica Acta</i> , 2020, 510, 119699.	2.4	6

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73	A novel 3D pillar-layered metal-organic framework: Pore-size-dependent catalytic activity and CO <sub>2</sub> /N <sub>2</sub> affinity. <i>Polyhedron</i> , 2020, 180, 114422.	2.2	9
74	Net-Clipping: An Approach to Deduce the Topology of Metal-Organic Frameworks Built with Zigzag Ligands. <i>Journal of the American Chemical Society</i> , 2020, 142, 9135-9140.	13.7	27
75	Enhanced electrochemical oxygen and hydrogen evolution reactions using an NU-1000@NiMn-LDHS composite electrode in alkaline electrolyte. <i>Chemical Communications</i> , 2020, 56, 6652-6655.	4.1	70
76	Hexavalent Octahedral Template: A Neutral High-Nucleus Silver Alkynyl Nanocluster Emitting Infrared Light. <i>Inorganic Chemistry</i> , 2020, 59, 6684-6688.	4.0	35
77	Metal ion detection using luminescent-MOFs: Principles, strategies and roadmap. <i>Coordination Chemistry Reviews</i> , 2020, 415, 213299.	18.8	158
78	Ultrasonic-assisted synthesis and structural characterization of a novel 3D Pb(II) metal-organic CPs and their nanostructures. <i>Inorganica Chimica Acta</i> , 2020, 508, 119636.	2.4	4
79	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. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2287-2304.	6.0	66
80	Rational morphology control of nano-scale amide decorated metal-organic frameworks by ultrasonic method: Capability to selective and sensitive detection of nitro explosives. <i>Ultrasonics Sonochemistry</i> , 2020, 66, 105110.	8.2	14
81	Size and function influence study on enhanced catalytic performance of a cooperative MOF for mild, green and fast C-C bond formation. <i>Dalton Transactions</i> , 2020, 49, 3234-3242.	3.3	19
82	Solvent switching smart metal-organic framework as a catalyst of reduction and condensation. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2412-2422.	6.0	18
83	Target-Architecture Engineering of a Novel Two-dimensional Metal-Organic Framework for High Catalytic Performance. <i>Crystal Growth and Design</i> , 2019, 19, 4239-4245.	3.0	14
84	Selective sacrificial metal-organic frameworks: a highly quantitative colorimetric naked-eye detector for aluminum ions in aqueous solutions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18634-18641.	10.3	37
85	A comparative study of adsorption and removal of organophosphorus insecticides from aqueous solution by Zr-based MOFs. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 83-92.	5.8	58
86	Single crystals and nanoparticles of Zn(II) supramolecular compounds via sonochemical method: Synthesis, characterization and structural studies. <i>Inorganica Chimica Acta</i> , 2019, 496, 118995.	2.4	1
87	An Asymmetric Supercapacitor Based on a Non-Calcined 3D Pillared Cobalt(II) Metal-Organic Framework with Long Cyclic Stability. <i>Inorganic Chemistry</i> , 2019, 58, 16100-16111.	4.0	111
88	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45442-45454.	8.0	69
89	Function-Structure Relationship in Metal-Organic Frameworks for Mild, Green, and Fast Catalytic C-C Bond Formation. <i>Inorganic Chemistry</i> , 2019, 58, 14429-14439.	4.0	25
90	Synthesis of nano zinc-based metal-organic frameworks under ultrasound irradiation in comparison with solvent-assisted linker exchange: Increased storage of N <sub>2</sub> and CO <sub>2</sub> . <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104729.	8.2	10

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91	Linker functionalized metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213023.	18.8	170
92	Dual activity of durable chiral hydroxyl-rich MOF for asymmetric catalytic reactions. <i>Journal of Catalysis</i> , 2019, 378, 28-35.	6.2	26
93	Ultrasonic-Assisted Linker Exchange (USALE): A Novel Post-Synthesis Method for Controlling the Functionality, Porosity, and Morphology of MOFs. <i>Chemistry - A European Journal</i> , 2019, 25, 10876-10885.	3.3	24
94	Highly Electroconductive Metal-Organic Framework: Tunable by Metal Ion Sorption Quantity. <i>Journal of the American Chemical Society</i> , 2019, 141, 11173-11182.	13.7	76
95	High Capacity Oil Denitrogenation over Azine- and Tetrazine-Decorated Metal-Organic Frameworks: Critical Roles of Hydrogen Bonding. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21711-21719.	8.0	24
96	Metal-organic framework derived porous 2D semiconductor C/ZnO nanocomposite with the high electrical conductivity. <i>Materials Letters</i> , 2019, 252, 325-328.	2.6	24
97	Solvent-assisted ligand exchange (SALE) for the enhancement of epoxide ring-opening reaction catalysis based on three amide-functionalized metal-organic frameworks. <i>Dalton Transactions</i> , 2019, 48, 8803-8814.	3.3	35
98	An effective strategy for creating asymmetric MOFs for chirality induction: a chiral Zr-based MOF for enantioselective epoxidation. <i>Catalysis Science and Technology</i> , 2019, 9, 3388-3397.	4.1	48
99	Highly sensitive fluorescent metal-organic framework as a selective sensor of Mn(VII) and Cr(VI) anions (MnO <sub>4</sub> <sup>-</sup> /CrO <sub>7</sub> <sup>2-</sup> /CrO <sub>4</sub> <sup>2-</sup> ) in aqueous solutions. <i>Analytica Chimica Acta</i> , 2019, 1064, 119-125.	5.4	69
100	Template strategies with MOFs. <i>Coordination Chemistry Reviews</i> , 2019, 387, 415-435.	18.8	260
101	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. <i>Angewandte Chemie</i> , 2019, 131, 15330-15347.	2.0	124
102	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15188-15205.	13.8	493
103	Trivalent Tetrahedral Anion Template: A 26-Nucleus Silver Alkynyl Cluster Encapsulating Vanadate. <i>Inorganic Chemistry</i> , 2019, 58, 5397-5400.	4.0	33
104	Dual-Purpose 3D Pillared Metal-Organic Framework with Excellent Properties for Catalysis of Oxidative Desulfurization and Energy Storage in Asymmetric Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14759-14773.	8.0	97
105	Ultrafast post-synthetic modification of a pillared cobalt(II)-based metal-organic framework via sulfurization of its pores for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11953-11966.	10.3	72
106	Ultrasonic-assisted fabrication of thin-film electrochemical detector of H <sub>2</sub> O <sub>2</sub> based on ferrocene-functionalized silver cluster. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 305-312.	8.2	30
107	Selective detection and removal of mercury ions by dual-functionalized metal-organic frameworks: design-for-purpose. <i>New Journal of Chemistry</i> , 2019, 43, 18079-18091.	2.8	49
108	The targeted design of dual-functional metal-organic frameworks (DF-MOFs) as highly efficient adsorbents for Hg <sup>2+</sup> ions: synthesis for purpose. <i>Dalton Transactions</i> , 2019, 48, 17831-17839.	3.3	41

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109	Urea-Based Metal-Organic Frameworks as High and Fast Adsorbent for Hg <sup>2+</sup> and Pb <sup>2+</sup> Removal from Water. <i>Inorganic Chemistry</i> , 2019, 58, 180-187.	4.0	65
110	Synthesis and structural characterization of three nano-structured Ag(I) coordination polymers; Syntheses, characterization and X-ray crystal structural analysis. <i>Journal of Solid State Chemistry</i> , 2019, 271, 29-39.	2.9	8
111	Synthesis, characterization and single crystal X-ray analysis of Zn(II) phenanthridine complexes. <i>Journal of Molecular Structure</i> , 2019, 1181, 579-586.	3.6	1
112	Ultrasound-assisted synthesis of two new fluorinated metal-organic frameworks (F-MOFs) with the high surface area to improve the catalytic activity. <i>Journal of Solid State Chemistry</i> , 2019, 270, 135-146.	2.9	31
113	High-sensitivity detection of nitroaromatic compounds (NACs) by the pillared-layer metal-organic framework synthesized via ultrasonic method. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 62-68.	8.2	27
114	Crystal structure, thermal stability and photoluminescence properties of five new Zn(II) coordination polymers constructed from mixed ligand; N-donor pyridine ligands and bis(4-carboxylphenyl)phosphinic acid. <i>Journal of Molecular Structure</i> , 2019, 1180, 63-71.	3.6	9
115	Flexible and breathing metal-organic framework with high and selective carbon dioxide storage versus nitrogen. <i>Polyhedron</i> , 2019, 161, 56-62.	2.2	16
116	Five new Cd(II) coordination polymers constructed from 4,4'-bis(hydroxyphosphoryl)dibenzoic acid and N-donor pyridine ligands. <i>Polyhedron</i> , 2019, 158, 144-153.	2.2	10
117	Catalytic improvement by open metal sites in a new mixed-ligand hetero topic metal-organic framework. <i>Polyhedron</i> , 2019, 159, 72-77.	2.2	5
118	Ultrasound and solvothermal synthesis of a new urea-based metal-organic framework as a precursor for fabrication of cadmium(II) oxide nanostructures. <i>Inorganica Chimica Acta</i> , 2019, 484, 386-393.	2.4	26
119	Effects of pore size and surface area on CH <sub>4</sub> and CO <sub>2</sub> capture in mesostructured MIL-101. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 137-142.	2.2	4
120	Sonochemical synthesis and structural characterization of a new Zn(II) nanoplate metal-organic framework with removal efficiency of Sudan red and Congo red. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 50-56.	8.2	75
121	Functional group effect of isoreticular metal-organic frameworks on heavy metal ion adsorption. <i>New Journal of Chemistry</i> , 2018, 42, 8864-8873.	2.8	62
122	Fast and Selective Heavy Metal Removal by a Novel Metal-Organic Framework Designed with In-Situ Ligand Building Block Fabrication Bearing Free Nitrogen. <i>Chemistry - A European Journal</i> , 2018, 24, 5529-5537.	3.3	78
123	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. <i>Mikrochimica Acta</i> , 2018, 185, 62.	5.0	43
124	Ultrasound-assisted synthesis and characterization of a new metal-organic framework based on azobenzene-4,4-dicarboxylic acid: Precursor for the fabrication of Co <sub>3</sub> O <sub>4</sub> nano-particles. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 197-203.	8.2	15
125	Taking organic reactions over metal-organic frameworks as heterogeneous catalysis. <i>Microporous and Mesoporous Materials</i> , 2018, 256, 111-127.	4.4	255
126	Urea-containing metal-organic frameworks for carbonyl compounds sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 706-710.	7.8	26



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127	Facile preparation of nanocubes zinc-based metal-organic framework by an ultrasound-assisted synthesis method; precursor for the fabrication of zinc oxide octahedral nanostructures. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 921-928.	8.2	54
128	Morphology-dependent sensing performance of dihydro-tetrazine functionalized MOF toward Al(III). <i>Ultrasonics Sonochemistry</i> , 2018, 41, 17-26.	8.2	48
129	Sonochemical synthesis of a novel nanoscale 1D lead(II) [Pb <sub>2</sub> (L) <sub>2</sub> (I) <sub>4</sub> ] <sub>n</sub> coordination Polymer, survey of temperature, reaction time parameters. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 320-326.	8.2	14
130	Ultrasonic assisted synthesis of a new one-dimensional nanostructured Mn(II) coordination polymer derived from azide and new multi-topic nitrogen donor ligand. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 376-380.	8.2	13
131	Sonochemical synthesis of two novel Pb(II) 2D metal coordination polymer complexes: New precursor for facile fabrication of lead(II) oxide/bromide micro-nanostructures. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 310-319.	8.2	21
132	Ultrasound assisted synthesis of amide functionalized metal-organic framework for nitroaromatic sensing. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 112-118.	8.2	41
133	Ultrasonic-assisted synthesis and the structural characterization of novel the zig-zag Cd(II) metal-organic polymer and their nanostructures. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 134-140.	8.2	11
134	Water-stable fluorinated metal-organic frameworks (F-MOFs) with hydrophobic properties as efficient and highly active heterogeneous catalysts in aqueous solution. <i>Green Chemistry</i> , 2018, 20, 5336-5345.	9.0	64
135	Ultrasonic-assisted synthesis and DNA interaction studies of two new Ru complexes; RuO <sub>2</sub> nanoparticles preparation. <i>Nanomedicine</i> , 2018, 13, 2691-2708.	3.3	27
136	Frontispiece: Goal-Directed Design of Metal-Organic Frameworks for Hg(II) and Pb(II) Adsorption from Aqueous Solutions. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	1
137	Simple One-Pot Preparation of a Rapid Response AIE Fluorescent Metal-Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 36259-36266.	8.0	48
138	Investigation of reasons for metal-organic framework's antibacterial activities. <i>Polyhedron</i> , 2018, 156, 257-278.	2.2	112
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384	Three-dimensional Hemidirected Mixed-ligand Lead(II) Coordination Polymer, [Pb <sub>2</sub> (bpa) <sub>2</sub> (SCN) <sub>3</sub> (NO <sub>3</sub> ) <sub>3</sub> ] <sub>n</sub> (bpa =) Tj ETQq0 0 0 rBT /Overclock 10 Tf		
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386	Nanoparticles of a new mercury(II) coordination polymer: synthesis, characterization, thermal and structural studies. <i>Journal of Coordination Chemistry</i> , 2008, 61, 2787-2792.	2.2	7
387	Spectroscopic, thermal and structural studies of a new mercury(II) one-dimensional coordination polymer, [Hg(3-bpo) <sub>2</sub> (SCN) <sub>2</sub> ], 3-bpo = 2,5-bis(3-pyridyl)-1,3,4-oxadiazole. <i>Journal of Coordination Chemistry</i> , 2008, 61, 2227-2233.	2.2	2
388	Dynamic crystal-to-crystal conversion of a 3D→3D coordination polymer by de- and re-hydration. <i>Dalton Transactions</i> , 2008, , 5173.	3.3	55
389	Two new Pb(II) coordination polymers, [Pb <sub>2</sub> (1/4-4,4'-bipy) (1/4-2-sb) <sub>2</sub> (DMF)] <sub>n</sub> and {[Pb <sub>2</sub> (1/4-4,4'-bipy) (1/4-2-sb) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> · H <sub>2</sub> O]} <sub>n</sub> (4,4'-bipy = 4,4'-bipyridine and 2-H <sub>2</sub> sb = 2-sufobenzoic acid). <i>Journal of Coordination Chemistry</i> , 2008, 61, 3703-3710.	2.2	6
390	Hydrothermal synthesis and characterization of La(III) and Cu(II) coordination polymers with 5-nitroisophthalic acid (H <sub>2</sub> Nip), [La <sub>2</sub> (1/4-Nip)(1/4-SO <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>5</sub> ] <sub>n</sub> and {[Cu <sub>3</sub> (1/4-OH) <sub>2</sub> (1/4-Nip) <sub>2</sub> (1/4-H <sub>2</sub> O) <sub>2</sub> · 2H <sub>2</sub> O]} <sub>n</sub> . <i>Journal of Coordination Chemistry</i> , 2008, 61, 2905-2915.		6
391	Fluorine-substituted 1,2-diketonate Pb(II) complexes, [Pb(phen)(TFPB) <sub>2</sub> ] and [Pb(2,2'-bipy)(TFPB) <sub>2</sub> ]. <i>Journal of Coordination Chemistry</i> , 2008, 61, 882-890.	2.2	6
392	A new Zn(II) two-dimensional coordination polymer, {[Zn(1/4-4,4'-bipy)(1,4-ndc)(H <sub>2</sub> O) <sub>2</sub> · (H <sub>2</sub> O)] <sub>n</sub> (4,4'-bipy = 4,4'-bipyridine and 1,4-ndc = 1,4-naphthalenedicarboxylate). <i>Journal of Coordination Chemistry</i> , 2008, 61, 3679-3686.	2.2	7
393	Syntheses and characterization of three mercury(II) complexes, [Hg(phen) <sub>2</sub> (SCN) <sub>2</sub> ], [Hg(2,2'-bipy) <sub>2</sub> (SCN) <sub>2</sub> ] and [Hg(phen) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> ], thermal and fluorescence studies. <i>Journal of Coordination Chemistry</i> , 2008, 61, 789-795.	2.2	2
394	Crystal Structure of [Pb(.MU.3-Nic) <sub>2</sub> ] <sub>n</sub> , HNic = 4-nicotinic acid. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2008, 24, X125-X126.	0.1	3
395	Cd(II) 4,4,4-trifluoro-1-phenyl-1,3-butandione complexes of 1,10-phenanthroline and 4,4'-bipyridine. <i>Journal of Coordination Chemistry</i> , 2007, 60, 2107-2114.	2.2	5
396	Two different 2,2'-bipyridine cadmium(II) perchlorate complexes, [Cd(2,2'-bipy) <sub>2</sub> (H <sub>2</sub> O)(ClO <sub>4</sub> )]ClO <sub>4</sub> and [Cd(2,2'-bipy) <sub>3</sub> (ClO <sub>4</sub> ) <sub>2</sub> · 0.5 2,2'-bipy], syntheses, characterization, thermal and structural studies. <i>Journal of Coordination Chemistry</i> , 2007, 60, 667-676.	2.2	12

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398	Synthesis and structural characterization of a one-dimensional coordination polymer, [Cd(PDPT)( $\frac{1}{4}$ -SCN) <sub>2</sub> ] <sub>n</sub> , PDPT=3-(2-pyridyl)-5,6-diphenyl-1,2,4-triazine. Journal of Coordination Chemistry, 2007, 60, 1427-1433.	2.2	8
399	New mixed-anion mercury(II) complex, spectroscopic, thermal and structural studies of [Hg(bipy) <sub>2</sub> (CH <sub>3</sub> COO)] <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub> ·0.5NaCl. Journal of Coordination Chemistry, 2007, 60, 2115-2120.	2.2	3
400	Syntheses and structural characterization of New Tl <sup>+</sup> and K <sup>+</sup> complexes of 3,5-dinitrobenzoic acid (HDNB), [Tl( $\frac{1}{4}$ -DNB)] <sub>n</sub> and [K( $\frac{1}{4}$ -DNB)( $\frac{1}{4}$ -HDNB)] <sub>n</sub> . Journal of Coordination Chemistry, 2007, 60, 753-761.	2.2	11
401	Counter-ion influence on the coordination mode of the 2,5-bis(4-pyridyl)-1,3,4-oxadiazole (bpo) ligand in mercury(ii) coordination polymers, [Hg(bpo) <sub>n</sub> X <sub>2</sub> ]: X = I <sup>-</sup> , Br <sup>-</sup> , SCN <sup>-</sup> , N <sub>3</sub> <sup>-</sup> and NO <sub>2</sub> <sup>-</sup> ; spectroscopic, thermal, fluorescence and structural studies. CrystEngComm, 2007, 9, 1062.	2.6	101
402	Thermal and structural studies of two new TlI three-dimensional coordination polymers, [Tl <sub>2</sub> ( $\frac{1}{4}$ -CSB)] <sub>n</sub> and [Tl <sub>2</sub> ( $\frac{1}{4}$ -ADC)] <sub>n</sub> , CSB <sup>2-</sup> = 4-[(4-carboxyphenyl)sulfonyl]-1-benzenecarboxylate and ADC <sup>2-</sup> = acetylenedicarboxylate. Journal of Coordination Chemistry, 2007, 60, 1903-1912.	2.2	10
403	Mercury(ii) coordination polymers generated from 1,4-bis(2 or 3 or 4-pyridyl)-2,3-diaza-1,3-butadiene ligands. CrystEngComm, 2007, 9, 704.	2.6	99
404	Zinc(ii) nitrite coordination polymers based on rigid and flexible organic nitrogen donor ligands. CrystEngComm, 2007, 9, 686.	2.6	58
405	A New Two-Dimensional Coordination Polymer of Mercury(II) with very High Thermal Stability. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 539-541.	1.2	20
406	Labile Interactions in Aza-aromatic Base Adducts of Lead(II) Thenoyltrifluoroacetate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 661-665.	1.2	15
407	Copper(II) and Manganese(II) Coordination Polymers of 5-Aminobenzene-1,3-dicarboxylic Acid (abdc) Ligand, Structural Studies of [Cu( $\frac{1}{4}$ -abdc) (DMF)] <sub>n</sub> and {[Mn( $\frac{1}{4}$ -abdc)(H <sub>2</sub> O)] <sub>n</sub> ·H <sub>2</sub> O}. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1107-1111.	1.2	9
408	{[Mn <sub>2</sub> ( $\frac{1}{3}$ -Tda) <sub>2</sub> ( $\frac{1}{4}$ -H <sub>2</sub> O)(H <sub>2</sub> O) <sub>2</sub> (bipy)] <sub>n</sub> ·DMF} <sub>n</sub> a 2D Manganese(II) Coordination Polymer involving Six-membered Binuclear Metallacycle Nodes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1140-1142.	1.2	3
409	Two-dimensional Holodirected Lead(II) Coordination Polymer, [Pb( $\frac{1}{4}$ -bpp)( $\frac{1}{4}$ -SCN) <sub>2</sub> ] <sub>n</sub> (bpp = 1,3-bis(4-pyridyl)propane). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1949-1951.	1.2	12
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416	Synthesis and structural characterization of a new two-dimensional polymeric thallium(I) compound,	2.2	9
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418	Thallium(I) Salicylate and Phthalate: Syntheses and Structural Characterization. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2006, 61, 565-569.	0.7	11
419	Thermal and Structural Studies of a 1D Zinc(II) Coordination Polymer $[Zn(\frac{1}{4}-4,4\text{-bipy})(H_2O)_4]_n(CCl_3COO)_2n \cdot (4,4\text{-bipy})_2n$ ( $4,4\text{-bipy} = 4,4\text{-bipyridine}$ ), with Shorted $Cl \cdots Cl$ Interactions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1419-1421.		14
420	Synthesis and Characterization of $[Zn_2(4,4\text{-bipy})_n(ACo)_4]$ One-dimensional Chain ( $n = 1$ ) and One-dimensional Double-Chain ( $n = 2$ ) Coordination Polymers. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 2491-2494.	1.2	9
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422	A One-Dimensional Thallium(I) Coordination Polymer Involving Polyhapto-Aromatic Interactions. Helvetica Chimica Acta, 2006, 89, 265-269.	1.6	42
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430	A Novel One-Dimensional Coordination Polymer Involving Weak $Hg \cdots Hg$ Interactions. Helvetica Chimica Acta, 2005, 88, 2267-2271.	1.6	42
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435	One-Dimensional Holodirected Lead(II) Coordination Polymer, [Pb(1/2-TPPZ)(NO3)(ClO4)]n (TPPZ = 2, 3, 5.) Tj ETQq1 1 0.784314 rgBT	1.2	33
436	??-?? Stacking-Interlinked Molecular Squares with Hepta-Coordinated Cadmium(II) Corners, [Cd(DMAP)3(NO2)2]·0.5H2O. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 1932-1934.	1.2	5
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442	Syntheses and Characterization of Two New 4,4'-Bithiazole d10 Complexes, Structural Characterization of M(DABTZ)2(CH3COO)](ClO4) · 2H2O (M = Zn, Cd). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2005, 60, 951-954.	0.7	2
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