

Alireza Azhdari Tehrani

List of Publications by Year in descending order

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462
papers

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16791

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times ranked

12661
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#	ARTICLE	IF	CITATIONS
1	Two new Cu (II) complexes based on 5-acyl fluorouracil and acyl acetic acid and N-donor ligands: Investigation of their interaction with DNA and anticancer activity. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6458.	1.7	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.	2.3	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.	2.8	11
4	Photocatalytic Performance of Perovskite and Metal-Organic Framework Hybrid Material for the Reduction of N ₂ to Ammonia. <i>Inorganic Chemistry</i> , 2022, 61, 1735-1744.	1.9	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.	1.3	0
6	Mixed Metal Fe ₂ 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.	1.9	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.	1.8	3
8	Amine-Functionalized Metal-Organic Frameworks: from Synthetic Design to Scrutiny in Application. <i>Coordination Chemistry Reviews</i> , 2022, 459, 214445.	9.5	47
9	Acyl amide-functionalized and water-stable iron-based MOF for rapid and selective dye removal. <i>CrystEngComm</i> , 2022, 24, 4074-4084.	1.3	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.	1.9	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.	1.9	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.	15.6	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.	5.2	9
14	Metal-organic frameworks based on multicarboxylate linkers. <i>Coordination Chemistry Reviews</i> , 2021, 426, 213542.	9.5	158
15	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie</i> , 2021, 133, 11148-11167.	1.6	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.	6.5	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.	7.2	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.	6.5	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.	1.6	3
20	Construction of an Asymmetric Porphyrinic Zirconium Metal-Organic Framework through Ionic Postchiral Modification. <i>Inorganic Chemistry</i> , 2021, 60, 206-218.	1.9	21
21	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11048-11067.	7.2	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 ₂ to Cyclic Carbonates. <i>Inorganic Chemistry</i> , 2021, 60, 2056-2067.	1.9	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.	2.7	15
24	Facile synthesis of two new hexa-/octa-nuclear silver clusters and investigation of their optical features. <i>Polyhedron</i> , 2021, 194, 114940.	1.0	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.	1.9	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.	1.3	25
27	Solvent-tuned ultrasonic synthesis of 2D coordination polymer nanostructures and flakes. <i>Ultrasonics Sonochemistry</i> , 2021, 72, 105425.	3.8	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.	10.8	118
29	High performance of ultrasonic-assisted synthesis of two spherical polymers for enantioselective catalysis. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105499.	3.8	11
30	Instantaneous Sonophotocatalytic Degradation of Tetracycline over NU-1000@ZnIn ₂ S ₄ Core-Shell Nanorods as a Robust and Eco-friendly Catalyst. <i>Inorganic Chemistry</i> , 2021, 60, 9660-9672.	1.9	57
31	Metal-organic framework composites as green/sustainable catalysts. <i>Coordination Chemistry Reviews</i> , 2021, 436, 213827.	9.5	105
32	Radiochromic Hydrogen-Bonded Organic Frameworks for X-ray Detection. <i>Chemistry - A European Journal</i> , 2021, 27, 10957-10965.	1.7	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.	1.7	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.	2.8	10
35	Highly Sensitive Colorimetric Naked-Eye Detection of Hg ^{II} Using a Sacrificial Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2021, 60, 13588-13595.	1.9	8
36	A pillared metal-organic framework with rich π -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.	2.3	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.	2.3	6
38	Chiral metal-organic frameworks based on asymmetric synthetic strategies and applications. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214083.	9.5	65
39	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. <i>Chemosphere</i> , 2021, 281, 130717.	4.2	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.	1.4	8
41	High specific capacitance of a 3D-metal-organic framework-confined growth in CoMn ₂ O ₄ nanostars as advanced supercapacitor electrode materials. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11001-11012.	5.2	80
42	The role of metal-organic porous frameworks in dual catalysis. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3618-3658.	3.0	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.	1.4	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.	1.5	13
45	Switching in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4652-4669.	7.2	211
46	Schalten in Metallorganischen GerÄ¼sten. <i>Angewandte Chemie</i> , 2020, 132, 4680-4699.	1.6	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.	4.0	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.	3.8	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.	2.1	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.	1.3	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.	6.5	127
52	Highest and Fastest Removal Rate of Pb ^{II} Ions through Rational Functionalized Decoration of a Metal-Organic Framework Cavity. <i>Chemistry - A European Journal</i> , 2020, 26, 1355-1362.	1.7	21
53	Synthesis of a new binuclear Cu(II) complex: A precise sensor for H ₂ O ₂ and a proper precursor for preparation of the CuO nanoparticles. <i>Journal of Organometallic Chemistry</i> , 2020, 926, 121507.	0.8	10
54	Electrochemical Applications of Ferrocene-Based Coordination Polymers. <i>ChemPlusChem</i> , 2020, 85, 2397-2418.	1.3	77

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55	Rapid and Selective Water Remediation through a Functionalized Pillar TM s Core of a Novel Metal TM -Organic Framework. <i>Crystal Growth and Design</i> , 2020, 20, 6109-6116.	1.4	6
56	Function TM -Topology Relationship in the Catalytic Hydrolysis of a Chemical Warfare Simulant in Two Zr TM -MOFs. <i>Chemistry - A European Journal</i> , 2020, 26, 17437-17444.	1.7	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.	1.4	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.	2.1	2
59	Size-Selective Urea-Containing Metal TM -Organic Frameworks as Receptors for Anions. <i>Inorganic Chemistry</i> , 2020, 59, 16421-16429.	1.9	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 & Interfaces</i> , 2020, 12, 43115-43124.	4.0	24
61	Hybrid nanomaterials for asymmetric purposes: green enantioselective C TM -C bond formation by chiralization and multi-functionalization approaches. <i>Catalysis Science and Technology</i> , 2020, 10, 8240-8253.	2.1	13
62	Comparative Study of the Supercapacitive Performance of Three Ferrocene TM -Based Structures: Targeted Design of a Conductive Ferrocene TM -Functionalized Coordination Polymer as a Supercapacitor Electrode. <i>Chemistry - A European Journal</i> , 2020, 26, 9518-9526.	1.7	23
63	Azobenzene based 2D-MOF for high selective quinone fluorescence sensing performance. <i>Inorganica Chimica Acta</i> , 2020, 510, 119699.	1.2	6

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73	A novel 3D pillar-layered metal-organic framework: Pore-size-dependent catalytic activity and CO ₂ /N ₂ affinity. <i>Polyhedron</i> , 2020, 180, 114422.	1.0	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.	6.6	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.	2.2	70
76	Hexavalent Octahedral Template: A Neutral High-Nucleus Silver Alkynyl Nanocluster Emitting Infrared Light. <i>Inorganic Chemistry</i> , 2020, 59, 6684-6688.	1.9	35
77	Metal ion detection using luminescent-MOFs: Principles, strategies and roadmap. <i>Coordination Chemistry Reviews</i> , 2020, 415, 213299.	9.5	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.	1.2	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.	3.0	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.	3.8	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.	1.6	19
82	Solvent switching smart metal-organic framework as a catalyst of reduction and condensation. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2412-2422.	3.0	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.	1.4	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.	5.2	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.	2.9	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.	1.2	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.	1.9	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 & Interfaces</i> , 2019, 11, 45442-45454.	4.0	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.	1.9	25
90	Synthesis of nano zinc-based metal-organic frameworks under ultrasound irradiation in comparison with solvent-assisted linker exchange: Increased storage of N ₂ and CO ₂ . <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104729.	3.8	10

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91	Linker functionalized metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213023.	9.5	170
92	Dual activity of durable chiral hydroxyl-rich MOF for asymmetric catalytic reactions. <i>Journal of Catalysis</i> , 2019, 378, 28-35.	3.1	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.	1.7	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.	6.6	76
95	High Capacity Oil Denitrogenation over Azine- and Tetrazine-Decorated Metal-Organic Frameworks: Critical Roles of Hydrogen Bonding. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21711-21719.	4.0	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.	1.3	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.	1.6	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.	2.1	48
99	Highly sensitive fluorescent metal-organic framework as a selective sensor of Mn(VII) and Cr(VI) anions (MnO ₄ ⁻ /CrO ₇ ²⁻ /CrO ₄ ²⁻) in aqueous solutions. <i>Analytica Chimica Acta</i> , 2019, 1064, 119-125.	2.6	69
100	Template strategies with MOFs. <i>Coordination Chemistry Reviews</i> , 2019, 387, 415-435.	9.5	260
101	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. <i>Angewandte Chemie</i> , 2019, 131, 15330-15347.	1.6	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.	7.2	493
103	Trivalent Tetrahedral Anion Template: A 26-Nucleus Silver Alkynyl Cluster Encapsulating Vanadate. <i>Inorganic Chemistry</i> , 2019, 58, 5397-5400.	1.9	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 & Interfaces</i> , 2019, 11, 14759-14773.	4.0	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.	5.2	72
106	Ultrasonic-assisted fabrication of thin-film electrochemical detector of H ₂ O ₂ based on ferrocene-functionalized silver cluster. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 305-312.	3.8	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.	1.4	49
108	The targeted design of dual-functional metal-organic frameworks (DF-MOFs) as highly efficient adsorbents for Hg ²⁺ ions: synthesis for purpose. <i>Dalton Transactions</i> , 2019, 48, 17831-17839.	1.6	41

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109	Urea-Based Metal-Organic Frameworks as High and Fast Adsorbent for Hg ²⁺ and Pb ²⁺ Removal from Water. <i>Inorganic Chemistry</i> , 2019, 58, 180-187.	1.9	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.	1.4	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.	1.8	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.	1.4	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.	3.8	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.	1.8	9
115	Flexible and breathing metal-organic framework with high and selective carbon dioxide storage versus nitrogen. <i>Polyhedron</i> , 2019, 161, 56-62.	1.0	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.	1.0	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.	1.0	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.	1.2	26
119	Effects of pore size and surface area on CH ₄ and CO ₂ capture in mesostructured MIL-101. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 137-142.	1.2	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.	3.8	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.	1.4	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.	1.7	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.	2.5	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 ₃ O ₄ nano-particles. <i>Ultrasonics Sonochemistry</i> , 2018, 45, 197-203.	3.8	15
125	Taking organic reactions over metal-organic frameworks as heterogeneous catalysis. <i>Microporous and Mesoporous Materials</i> , 2018, 256, 111-127.	2.2	255
126	Urea-containing metal-organic frameworks for carbonyl compounds sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 706-710.	4.0	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.	3.8	54
128	Morphology-dependent sensing performance of dihydro-tetrazine functionalized MOF toward Al(III). <i>Ultrasonics Sonochemistry</i> , 2018, 41, 17-26.	3.8	48
129	Sonochemical synthesis of a novel nanoscale 1D lead(II) [Pb ₂ (L) ₂ (I) ₄] _n coordination Polymer, survey of temperature, reaction time parameters. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 320-326.	3.8	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.	3.8	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.	3.8	21
132	Ultrasound assisted synthesis of amide functionalized metal-organic framework for nitroaromatic sensing. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 112-118.	3.8	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.	3.8	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.	4.6	64
135	Ultrasonic-assisted synthesis and DNA interaction studies of two new Ru complexes; RuO ₂ nanoparticles preparation. <i>Nanomedicine</i> , 2018, 13, 2691-2708.	1.7	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, .	1.7	1
137	Simple One-Pot Preparation of a Rapid Response AIE Fluorescent Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36259-36266.	4.0	48
138	Investigation of reasons for metal-organic framework's antibacterial activities. <i>Polyhedron</i> , 2018, 156, 257-278.	1.0	112
139	Acid- and base-stable porous mechanically interlocked 2D metal-organic polyrotaxane for <i>in situ</i> organochlorine insecticide encapsulation, sensing and removal. <i>New Journal of Chemistry</i> , 2018, 42, 18152-18158.	1.4	7
140	Ultrasonic-assisted synthesis, characterization and DNA binding studies of Ru(II) complexes with the chelating N-donor ligand and preparing of RuO ₂ nanoparticles by the easy method of calcination. <i>Journal of Organometallic Chemistry</i> , 2018, 878, 11-18.	0.8	23
141	Chitosan Immobilization on Bio-MOF Nanostructures: A Biocompatible pH-Responsive Nanocarrier for Doxorubicin Release on MCF-7 Cell Lines of Human Breast Cancer. <i>Inorganic Chemistry</i> , 2018, 57, 13364-13379.	1.9	122
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394	Crystal Structure of [Pb(.MU.3-Nic) ₂] _n , HNic = 4-nicotinic acid. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2008, 24, X125-X126.	0.1	3
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396	Two different 2,2'-bipyridine cadmium(II) perchlorate complexes, [Cd(2,2'-bipy) ₂ (H ₂ O)(ClO ₄)ClO ₄] and [Cd(2,2'-bipy) ₃ (ClO ₄) ₂ ·0.5 2,2'-bipy], syntheses, characterization, thermal and structural studies. <i>Journal of Coordination Chemistry</i> , 2007, 60, 667-676.	0.8	12

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398	Synthesis and structural characterization of a one-dimensional coordination polymer, [Cd(PDPT)($\frac{1}{4}$ -SCN) ₂] _n , PDPT=3-(2-pyridyl)-5,6-diphenyl-1,2,4-triazine. Journal of Coordination Chemistry, 2007, 60, 1427-1433.	0.8	8
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400	Syntheses and structural characterization of New Tl ⁺ and K ⁺ complexes of 3,5-dinitrobenzoic acid (HDNB), [Tl($\frac{1}{4}$ -DNB)] _n and [K($\frac{1}{4}$ -DNB)($\frac{1}{4}$ -HDNB)] _n . Journal of Coordination Chemistry, 2007, 60, 753-761.	0.8	11
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