

Ali Morsali

List of Publications by Year in descending order

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10389

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24258

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docs citations

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times ranked

13676
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#	ARTICLE	IF	CITATIONS
1	Two new Cu (II) complexes based on 5-acyl fluorouracil-acyl 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	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.	4.0	15
4	Engineered design of a new HOF by simultaneous monitoring of reaction environment conductivity. <i>Journal of Solid State Chemistry</i> , 2022, 307, 122834.	2.9	3
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	A novel electrocatalyst based on Fe-ZIF-PPY nanocomposite for oxygen reduction reaction in air-breathing direct-ethanol fuel cell. <i>Applied Surface Science</i> , 2022, 584, 152529.	6.1	17
7	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.	4.0	68
8	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
9	Amine-Functionalized Metal-Organic Frameworks: from Synthetic Design to Scrutiny in Application. <i>Coordination Chemistry Reviews</i> , 2022, 459, 214445.	18.8	47
10	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
11	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
12	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
13	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
14	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
15	Metal-organic frameworks based on multicarboxylate linkers. <i>Coordination Chemistry Reviews</i> , 2021, 426, 213542.	18.8	158
16	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie</i> , 2021, 133, 11148-11167.	2.0	12
17	Reuse of Predesigned Dual-Functional Metal Organic Frameworks (DF-MOFs) after Heavy Metal Removal. <i>Journal of Hazardous Materials</i> , 2021, 403, 123696.	12.4	137
18	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

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19	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
20	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
21	Construction of an Asymmetric Porphyrinic Zirconium Metal-Organic Framework through Ionic Postchiral Modification. <i>Inorganic Chemistry</i> , 2021, 60, 206-218.	4.0	21
22	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11048-11067.	13.8	179
23	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.	4.0	105
24	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
25	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
26	New 3D Porous Silver Nanopolycluster 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
27	Perception of the reciprocal influences of the formed interactions and hydrogen bonds, and adsorption energies between zinc-titanate nanoparticles/nano-silica/Dawson heteropolyacid hybrid-water on the positive alternation trends of the strength and properties of ordinary and self-compacting concrete: A systematic study through the quantum mechanical theory and experimental engineering studies. <i>Journal of Molecular Liquids</i> , 2021, 326, 115318.	4.9	2
28	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
29	PMo ₁₂ @LiO-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
30	Theoretical investigation of solvent effect on the keto-enol tautomerization of pentane-2,4-dione and a comparison between experimental data and theoretical calculations. <i>Canadian Journal of Chemistry</i> , 2021, 99, 411-424.	1.1	5
31	High performance of ultrasonic-assisted synthesis of two spherical polymers for enantioselective catalysis. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105499.	8.2	11
32	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.	4.0	57
33	Metal-organic framework composites as green/sustainable catalysts. <i>Coordination Chemistry Reviews</i> , 2021, 436, 213827.	18.8	105
34	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
35	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
36	Highly Sensitive Colorimetric Naked-Eye Detection of Hg ^{II} Using a Sacrificial Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2021, 60, 13588-13595.	4.0	8

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37	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.	4.7	8
38	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
39	Chiral metal-organic frameworks based on asymmetric synthetic strategies and applications. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214083.	18.8	65
40	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. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122390.	2.9	0
41	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. <i>Chemosphere</i> , 2021, 281, 130717.	8.2	45
42	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
43	Mechanochemical solid state architectonics on Lead(II) coordination polymer by anion-exchange. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122592.	2.9	1
44	High specific capacitance of a 3D-metal-organic framework-confined growth in CoMn_2O_4 nanostars as advanced supercapacitor electrode materials. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11001-11012.	10.3	80
45	Stable supercapacitor electrode based on two-dimensional high nucleus silver nano-clusters as a green energy source. <i>Dalton Transactions</i> , 2021, 50, 2606-2615.	3.3	9
46	The role of metal-organic porous frameworks in dual catalysis. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3618-3658.	6.0	30
47	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
48	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
49	Switching in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4652-4669.	13.8	211
50	Schalten in Metall-organischen GerÅ¼sten. <i>Angewandte Chemie</i> , 2020, 132, 4680-4699.	2.0	22
51	Density functional theory study towards investigating the adsorption properties of the $\hat{1}^3\text{-Fe}_2\text{O}_3$ nanoparticles as a nanocarrier for delivery of Flutamide anticancer drug. <i>Adsorption</i> , 2020, 26, 925-939.	3.0	12
52	Acetyl-11-keto- $\hat{1}^2$ -boswellic acid derivatives effects on 5-lipoxygenase: In silico viewpoint. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 94, 107464.	2.4	2
53	Comprehension of the role of created hydrogen bonds and adsorption energy in polyamide-nanosilica-Keggin hybrid/ water on enhancement of concrete compressive strength: DFT calculations and experimental investigations. <i>Journal of Molecular Liquids</i> , 2020, 297, 111912.	4.9	6
54	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

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55	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
56	Surface functionalization of chitosan with 5-nitroisatin. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 534-546.	7.5	12
57	Quantum chemical studies of chitosan nanoparticles as effective drug delivery systems for 5-fluorouracil anticancer drug. <i>Journal of Molecular Liquids</i> , 2020, 302, 112495.	4.9	43
58	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
59	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
60	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
61	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.	3.3	21
62	Quantum-Chemical Modeling of Cyclic Peptide-Selenium Nanoparticle as an Anticancer Drug Nanocarrier. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 23-33.	1.9	0
63	Synthesis, Antiviral, Antibacterial, and Cytotoxicity Assessment of Some 3H-Benzo[a]imidazo[4,5-j]acridines and 3H-Benzo[a]pyrazolo[3,4-j]acridines. <i>Russian Journal of Organic Chemistry</i> , 2020, 56, 1438-1445.	0.8	5
64	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.	1.8	10
65	Electrochemical Applications of Ferrocene-Based Coordination Polymers. <i>ChemPlusChem</i> , 2020, 85, 2397-2418.	2.8	77
66	Rapid and Selective Water Remediation through a Functionalized Pillar™s Core of a Novel Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2020, 20, 6109-6116.	3.0	6
67	Function-Topology Relationship in the Catalytic Hydrolysis of a Chemical Warfare Simulant in Two Zr-MOFs. <i>Chemistry - A European Journal</i> , 2020, 26, 17437-17444.	3.3	8
68	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
69	Stability appraisalment of the alumina-brine nanofluid in the presence of ionic and non-ionic disparents on the alumina nanoparticles surface as heat transfer fluids: Quantum mechanical study and Taguchi-optimized experimental analysis. <i>Journal of Molecular Liquids</i> , 2020, 319, 113898.	4.9	8
70	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
71	Size-Selective Urea-Containing Metal-Organic Frameworks as Receptors for Anions. <i>Inorganic Chemistry</i> , 2020, 59, 16421-16429.	4.0	48
72	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.	8.0	24

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73	An applied quantum-chemical model for genipin-crosslinked chitosan (GCS) nanocarrier. International Journal of Biological Macromolecules, 2020, 165, 1229-1240.	7.5	12
74	Hybrid nanomaterials for asymmetric purposes: green enantioselective C=C bond formation by chiralization and multi-functionalization approaches. Catalysis Science and Technology, 2020, 10, 8240-8253.	4.1	13
75	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.	3.3	23
76	Azobenzene based 2D-MOF for high selective quinone fluorescence sensing performance. Inorganica Chimica Acta, 2020, 510, 119699.	2.4	6

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91	Metal ion detection using luminescent-MOFs: Principles, strategies and roadmap. <i>Coordination Chemistry Reviews</i> , 2020, 415, 213299.	18.8	158
92	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
93	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
94	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
95	The scrutinised DFT and MD studies on the adsorption of D-penicillamine drug on Fe_2O_3 nanoparticle as a highly efficient carrier. <i>Molecular Simulation</i> , 2020, 46, 408-418.	2.0	1
96	(E)-4-(((2-amino-5-chlorophenyl)imino)methyl)-5-(hydroxy-methyl)-2-methylpyridin-3-ol and its Cu(II) complex: Synthesis, DFT calculations and AIM analysis. <i>Journal of the Serbian Chemical Society</i> , 2020, 85, 1033-1046.	0.8	1
97	QUANTUM CHEMICAL STUDIES OF CHITOSAN NANOPARTICLES AS ANTICANCER DRUG DELIVERY SYSTEM FOR DECITABINE. <i>Cellulose Chemistry and Technology</i> , 2020, 54, 679-688.	1.2	1
98	DFT-QTAIM Study of Gold Nanoparticles and Cyclic Peptide as Effective Drug Nanocarriers. <i>Orbital</i> , 2020, 12, .	0.3	0
99	Normal coordinate analysis of the enol form of pentane-2,4-dione and its 2H-isotopomers. <i>Egyptian Journal of Chemistry</i> , 2020, .	0.2	0
100	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
101	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
102	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
103	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
104	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
105	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.	8.0	69
106	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
107	Linker functionalized metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213023.	18.8	170
108	Dual activity of durable chiral hydroxyl-rich MOF for asymmetric catalytic reactions. <i>Journal of Catalysis</i> , 2019, 378, 28-35.	6.2	26

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109	Synthesis, Experimental and Theoretical Studies on N,N'-Dipyridoxyl(4-Chloro-1,2-Phenylenediamine) Tetradentate Ligand and Its Copper(II) Complex. <i>Journal of Structural Chemistry</i> , 2019, 60, 1243-1255.	1.0	4
110	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
111	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
112	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.	8.0	24
113	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
114	Mechanistic, Energetic and Structural Studies of Fe_3O_4 Nanoparticles Functionalized with Drug Artemisinin. <i>Russian Journal of Inorganic Chemistry</i> , 2019, 64, 503-510.	1.3	3
115	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
116	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
117	Mechanistic and energetic studies of superparamagnetic iron oxide nanoparticles as a cyclophosphamide anticancer drug nanocarrier: A quantum mechanical approach. <i>Progress in Reaction Kinetics and Mechanism</i> , 2019, 44, 92-101.	2.1	0
118	Highly sensitive fluorescent metal-organic framework as a selective sensor of Mn(VII) and Cr(VI) anions ($\text{MnO}_4^-/\text{Cr}_2\text{O}_7^{2-}/\text{CrO}_4^{2-}$) in aqueous solutions. <i>Analytica Chimica Acta</i> , 2019, 1064, 119-125.	5.4	69
119	Template strategies with MOFs. <i>Coordination Chemistry Reviews</i> , 2019, 387, 415-435.	18.8	260
120	Molecular mechanism study of surface functionalization of silica nanoparticle as an anticancer drug nanocarrier in aqueous solution. <i>Journal of Molecular Liquids</i> , 2019, 282, 392-400.	4.9	20
121	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. <i>Angewandte Chemie</i> , 2019, 131, 15330-15347.	2.0	124
122	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
123	Trivalent Tetrahedral Anion Template: A 26-Nucleus Silver Alkynyl Cluster Encapsulating Vanadate. <i>Inorganic Chemistry</i> , 2019, 58, 5397-5400.	4.0	33
124	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.	8.0	97
125	Ultrafast post-synthetic modification of a pillared cobalt(<i>ii</i>)-based metal-organic framework <i>via</i> sulfurization of its pores for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11953-11966.	10.3	72
126	Ultrasonic-assisted fabrication of thin-film electrochemical detector of H_2O_2 based on ferrocene-functionalized silver cluster. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 305-312.	8.2	30

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127	Delamination of 2D coordination polymers: The role of solvent and ultrasound. <i>Ultrasonics Sonochemistry</i> , 2019, 55, 186-195.	8.2	19
128	Quantum chemical modeling of iron oxide magnetic nanoparticles functionalized with cytarabine. <i>Chemical Physics Letters</i> , 2019, 719, 12-21.	2.6	11
129	Study of alpha-amylase and gold nanoparticles interaction at two different temperatures through molecular dynamics. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 88, 273-281.	2.4	4
130	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
131	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.	3.3	41
132	Role of repulsive forces on self-assembly behavior of amyloid-peptide (1-40): Molecular dynamics simulation approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 524-535.	2.6	7
133	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.	4.0	65
134	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
135	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
136	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
137	Synthesis, experimental and theoretical characterizations of a 1,2,4-triazole Schiff base and its nickel(II) complex. <i>Journal of Molecular Structure</i> , 2019, 1179, 779-786.	3.6	17
138	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
139	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
140	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
141	The effect of different alcohols on the Asp23-Lys28 and Asp23-Ala42 salt bridges of the most effective peptide in Alzheimer's disease: Molecular dynamics viewpoints. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 86, 199-208.	2.4	11
142	Five new Cd(II) coordination polymers constructed from 4,4'-((hydroxyphosphoryl)dibenzoic acid and N-donor pyridine ligands. <i>Polyhedron</i> , 2019, 158, 144-153.	2.2	10
143	DFT study of SiO ₂ nanoparticles as a drug delivery system: structural and mechanistic aspects. <i>Structural Chemistry</i> , 2019, 30, 715-726.	2.0	21
144	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

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385	In situ formation deposited ZnO nanoparticles on silk fabrics under ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 734-739.	8.2	24
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