Ali Morsali

List of Publications by Year
in descending order

696 papers	22,875 citations	10389 72 h-index	24258 110 g-index
724 all docs	724 docs citations	724 times ranked	13676 citing authors

#	Article	IF	Citations
1	Mixedâ€Metal MOFs: Unique Opportunities in Metalâ€“Organic Framework (MOF) Functionality and Design. Angewandte Chemie - International Edition, 2019, 58, 15188-15205.	13.8	493
2	Coordinatively unsaturated metal sites (open metal sites) in metalâ€“organic frameworks: design and applications. Chemical Society Reviews, 2020, 49, 2751-2798.	38.1	449
3	Structures and properties of mercury(II) coordination polymers. Coordination Chemistry Reviews, 2009, 253, 1882-1905.	18.8	370
4	Applications of metalâ€“organic coordination polymers as precursors for preparation of nano-materials. Coordination Chemistry Reviews, 2012, 256, 2921-2943.	18.8	358
5	A dual Ni/Co-MOF-reduced graphene oxide nanocomposite as a high performance supercapacitor electrode material. Electrochimica Acta, 2018, 275, 76-86.	5.2	264
6	Template strategies with MOFs. Coordination Chemistry Reviews, 2019, 387, 415-435.	18.8	260
7	Taking organic reactions over metal-organic frameworks as heterogeneous catalysis. Microporous and Mesoporous Materials, 2018, 256, 111-127.	4.4	255
8	Sensing organic analytes by metalâ€“organic frameworks: a new way of considering the topic. Inorganic Chemistry Frontiers, 2020, 7, 1598-1632.	6.0	253
9	Switching in Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2020, 59, 4652-4669.	13.8	211
10	Application of Mechanosynthesized Azine-Decorated Zinc(II) Metalâ€“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.	4.0	209
11	Dense coating of surface mounted CuBTC Metalâ€“Organic Framework nanostructures on silk fibers, prepared by layer-by-layer method under ultrasound irradiation with antibacterial activity. Ultrasonics Sonochemistry, 2012, 19, 846-852.	8.2	186
12	Applications of ultrasound to the synthesis of nanoscale metalâ€“organic coordination polymers. Coordination Chemistry Reviews, 2015, 292, 1-14.	18.8	183
13	Metalâ€“Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. Angewandte Chemie - International Edition, 2021, 60, 11048-11067.	13.8	179
14	The role of the counter-ion in metal-organic frameworksâ€™ chemistry and applications. Coordination Chemistry Reviews, 2018, 376, 319-347.	18.8	177
15	Syntheses and characterization of Mg(OH)2 and MgO nanostructures by ultrasonic method. Ultrasonics Sonochemistry, 2010, 17, 441-446.	8.2	173
16	Linker functionalized metal-organic frameworks. Coordination Chemistry Reviews, 2019, 399, 213023.	18.8	170
17	Direct ultrasonic-assisted synthesis of sphere-like nanocrystals of spinel Co3O4 and Mn3O4. Ultrasonics Sonochemistry, 2009, 16, 124-131.	8.2	158
18	Metal ion detection using luminescent-MOFs: Principles, strategies and roadmap. Coordination Chemistry Reviews, 2020, 415, 213299.	18.8	158

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19	Metalâ€“organic frameworks based on multicarboxylate linkers. Coordination Chemistry Reviews, 2021, 426, 213542.	18.8	158
20	Lead(II) carboxylate supramolecular compounds: Coordination modes, structures and nano-structures aspects. Coordination Chemistry Reviews, 2011, 255, 2821-2859.	18.8	155
21	Pillar-layered MOFs: functionality, interpenetration, flexibility and applications. Journal of Materials Chemistry A, 2018, 6, 19288-19329.	10.3	152
22	Selective CO₂ Capture in Metalâ€“Organic Frameworks with Azine-Functionalized Pores Generated by Mechanosynthesis. Crystal Growth and Design, 2014, 14, 2092-2096.	3.0	148
23	Reuse of Predesigned Dual-Functional Metal Organic Frameworks (DF-MOFs) after Heavy Metal Removal. Journal of Hazardous Materials, 2021, 403, 123696.	12.4	137
24	Ordered Mesoporous Metalâ€“Organic Frameworks Incorporated with Amorphous TiO₂ As Photocatalyst for Selective Aerobic Oxidation in Sunlight Irradiation. ACS Catalysis, 2014, 4, 1398-1403.	11.2	136
25	Rapid mechanochemical synthesis of two new Cd(<scp>ii</scp>)-based metalâ€“organic frameworks with high removal efficiency of Congo red. CrystEngComm, 2015, 17, 686-692.	2.6	136
26	Thallium(I) supramolecular compounds: Structural and properties consideration. Coordination Chemistry Reviews, 2010, 254, 1977-2006.	18.8	130
27	Two Dimensional Hostâ€“Guest Metalâ€“Organic Framework Sensor with High Selectivity and Sensitivity to Picric Acid. ACS Applied Materials & Interfaces, 2016, 8, 21472-21479.	8.0	129
28	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.	12.4	127
29	First-row transition metal-based materials derived from bimetallic metalâ€“organic frameworks as highly efficient electrocatalysts for electrochemical water splitting. Energy and Environmental Science, 2022, 15, 3119-3151.	30.8	125
30	Mixedâ€Metal MOFs: Unique Opportunities in Metalâ€“Organic Framework (MOF) Functionality and Design. Angewandte Chemie, 2019, 131, 15330-15347.	2.0	124
31	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, 13364-13379.	4.0	122
32	Lanthanide metalâ€“organic frameworks as selective microporous materials for adsorption of heavy metal ions. Dalton Transactions, 2016, 45, 9193-9200.	3.3	121
33	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.	20.2	118
34	Mechanosynthesis of new azine-functionalized Zn(<scp>ii</scp>) metalâ€“organic frameworks for improved catalytic performance. Journal of Materials Chemistry A, 2014, 2, 16863-16866.	10.3	117
35	Investigation of reasons for metalâ€“organic frameworkâ€™s antibacterial activities. Polyhedron, 2018, 156, 257-278.	2.2	112
36	An Asymmetric Supercapacitor Based on a Non-Calcined 3D Pillared Cobalt(II) Metalâ€“Organic Framework with Long Cyclic Stability. Inorganic Chemistry, 2019, 58, 16100-16111.	4.0	111

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37	Syntheses and characterization of Sr(OH)2 and SrCO3 nanostructures by ultrasonic method. Ultrasonics Sonochemistry, 2010, 17, 132-138.	8.2	110
38	Morphological study and potential applications of nano metalâ€“organic coordination polymers. RSC Advances, 2013, 3, 19191.	3.6	110
39	Syntheses and characterization of CdCO3 and CdO nanoparticles by using a sonochemical method. Materials Letters, 2008, 62, 478-482.	2.6	106
40	Simultaneous Presence of Open Metal Sites and Amine Groups on a 3D Dy(III)-Metalâ€“Organic Framework Catalyst for Mild and Solvent-Free Conversion of CO₂ to Cyclic Carbonates. Inorganic Chemistry, 2021, 60, 2056-2067.	4.0	105
41	Metal-organic framework composites as green/sustainable catalysts. Coordination Chemistry Reviews, 2021, 436, 213827.	18.8	105
42	Metalâ€“Organic Framework Based on Isonicotinate N-Oxide for Fast and Highly Efficient Aqueous Phase Cr(VI) Adsorption. Inorganic Chemistry, 2016, 55, 5507-5513.	4.0	104
43	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)nX2]: X = Iâ€“, Brâ€“, SCNâ€“, N3â€“ and NO2â€“; spectroscopic, thermal, fluorescence and structural studies. CrystEngComm, 2007, 9, 1062.	2.6	101
44	Modulating methane storage in anionic nano-porous MOF materials via post-synthetic cation exchange process. Dalton Transactions, 2013, 42, 4786.	3.3	100
45	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
46	Dual-Purpose 3D Pillared Metalâ€“Organic Framework with Excellent Properties for Catalysis of Oxidative Desulfurization and Energy Storage in Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2019, 11, 14759-14773.	8.0	97
47	Sonochemical synthesis of a new nano-structures bismuth(III) supramolecular compound: New precursor for the preparation of bismuth(III) oxide nano-rods and bismuth(III) iodide nano-wires. Ultrasonics Sonochemistry, 2010, 17, 139-144.	8.2	93
48	In situ synthesis of a drug-loaded MOF at room temperature. Microporous and Mesoporous Materials, 2014, 186, 73-79.	4.4	92
49	Urea Metalâ€“Organic Frameworks for Nitro-Substituted Compounds Sensing. Inorganic Chemistry, 2017, 56, 1446-1454.	4.0	92
50	Influence of an amine group on the highly efficient reversible adsorption of iodine in two novel isoreticular interpenetrated pillared-layer microporous metalâ€“organic frameworks. CrystEngComm, 2014, 16, 8660-8663.	2.6	91
51	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.	3.6	90
52	Application of Two Cobalt-Based Metalâ€“Organic Frameworks as Oxidative Desulfurization Catalysts. Inorganic Chemistry, 2015, 54, 11269-11275.	4.0	90
53	Syntheses of BaCO3 nanostructures by ultrasonic method. Ultrasonics Sonochemistry, 2008, 15, 833-838.	8.2	89
54	Ultrasound-promoted coating of MOF-5 on silk fiber and study of adsorptive removal and recovery of hazardous anionic dye â€œcongo redâ€• Ultrasonics Sonochemistry, 2014, 21, 1424-1429.	8.2	89

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55	A MoO₃â€“Metalâ€“Organic Framework Composite as a Simultaneous Photocatalyst and Catalyst in the PODS Process of Light Oil. ACS Catalysis, 2017, 7, 6949-6956.	11.2	87
56	Assessment of the adsorption mechanism of Flutamide anticancer drug on the functionalized single-walled carbon nanotube surface as a drug delivery vehicle: An alternative theoretical approach based on DFT and MD. Applied Surface Science, 2018, 434, 492-503.	6.1	87
57	Synthesis ZnO nanoparticles from a new Zinc(II) coordination polymer precursor. Materials Letters, 2010, 64, 4-5.	2.6	86
58	Double Solvent Sensing Method for Improving Sensitivity and Accuracy of Hg(II) Detection Based on Different Signal Transduction of a Tetrazine-Functionalized Pillared Metalâ€“Organic Framework. Inorganic Chemistry, 2017, 56, 9646-9652.	4.0	86
59	Bilateral photocatalytic mechanism of dye degradation by a designed ferrocene-functionalized cluster under natural sunlight. Catalysis Science and Technology, 2020, 10, 757-767.	4.1	85
60	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.	2.4	83
61	Highly sensitive and selective ratiometric fluorescent metalâ€“organic framework sensor to nitroaniline in presence of nitroaromatic compounds and VOCs. Sensors and Actuators B: Chemical, 2017, 243, 353-360.	7.8	81
62	Basic isoreticular nanoporous metalâ€“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.	3.6	80
63	High specific capacitance of a 3D-metalâ€“organic framework-confined growth in CoMn₂O₄ nanostars as advanced supercapacitor electrode materials. Journal of Materials Chemistry A, 2021, 9, 11001-11012.	10.3	80
64	Crystal-to-Crystal Transformation from a Weak Hydrogen-Bonded Two-Dimensional Network Structure to a Two-Dimensional Coordination Polymer on Heating. Crystal Growth and Design, 2008, 8, 391-394.	3.0	78
65	Catalytic performance of Mn3O4 and Co3O4 nanocrystals prepared by sonochemical method in epoxidation of styrene and cyclooctene. Applied Surface Science, 2010, 256, 6678-6682.	6.1	78
66	Shape Control of Zn(II) Metalâ€“Organic Frameworks by Modulation Synthesis and Their Morphology-Dependent Catalytic Performance. Crystal Growth and Design, 2015, 15, 2533-2538.	3.0	78
67	Fast and Selective Heavy Metal Removal by a Novel Metalâ€Organic Framework Designed with Inâ€Situ Ligand Building Block Fabrication Bearing Free Nitrogen. Chemistry - A European Journal, 2018, 24, 5529-5537.	3.3	78
68	Synthesis of cadmium(II) hydroxide, cadmium(II) carbonate and cadmium(II) oxide nanoparticles; investigation of intermediate products. Chemical Engineering Journal, 2009, 150, 569-571.	12.7	77
69	Electrochemical Applications of Ferroceneâ€Based Coordination Polymers. ChemPlusChem, 2020, 85, 2397-2418.	2.8	77
70	Highly Electroconductive Metalâ€“Organic Framework: Tunable by Metal Ion Sorption Quantity. Journal of the American Chemical Society, 2019, 141, 11173-11182.	13.7	76
71	Nano-structures of two new lead(II) coordination polymers: New precursors for preparation of PbS nano-structures. Solid State Sciences, 2008, 10, 1591-1597.	3.2	75
72	Sonochemical synthesis and structural characterization of a new Zn(II) nanoplate metalâ€“organic framework with removal efficiency of Sudan red and Congo red. Ultrasonics Sonochemistry, 2018, 45, 50-56.	8.2	75

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73	Ultrasound assisted synthesis of a Zn(<scp>ii</scp>) metalâ€“organic framework with nano-plate morphology using non-linear dicarboxylate and linear N-donor ligands. RSC Advances, 2014, 4, 47894-47898.	3.6	74
74	Sonochemical syntheses of a nano-sized copper(II) supramolecule as a precursor for the synthesis of copper(II) oxide nanoparticles. Ultrasonics Sonochemistry, 2012, 19, 823-829.	8.2	73
75	Influence of the Amide Groups in the CO₂/N₂ Selectivity of a Series of Isoreticular, Interpenetrated Metalâ€“Organic Frameworks. Crystal Growth and Design, 2016, 16, 6016-6023.	3.0	73
76	Sonochemical synthesis of nanoscale mixed-ligands lead(II) coordination polymers as precursors for preparation of Pb2(SO4)O and PbO nanoparticles; thermal, structural and X-ray powder diffraction studies. Ultrasonics Sonochemistry, 2010, 17, 435-440.	8.2	72
77	Ultrafast post-synthetic modification of a pillared cobalt(<scp>ii</scp>)-based metalâ€“organic framework via sulfurization of its pores for high-performance supercapacitors. Journal of Materials Chemistry A, 2019, 7, 11953-11966.	10.3	72
78	Enhanced electrochemical oxygen and hydrogen evolution reactions using an NU-1000@NiMn-LDHS composite electrode in alkaline electrolyte. Chemical Communications, 2020, 56, 6652-6655.	4.1	70
79	Coordination polymers of lead(II) with 4,4â€²-bipyridine: syntheses and structures. Polyhedron, 2004, 23, 2427-2436.	2.2	69
80	Porosity and dye adsorption enhancement by ultrasonic synthesized Cd(II) based metal-organic framework. Ultrasonics Sonochemistry, 2017, 37, 244-250.	8.2	69
81	A Luminescent Amine-Functionalized Metalâ€“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, 45442-45454.	8.0	69
82	Highly sensitive fluorescent metal-organic framework as a selective sensor of MnVII and CrVI anions (MnO4â¯/Cr2O72â¯/CrO42â¯) in aqueous solutions. Analytica Chimica Acta, 2019, 1064, 119-125.	5.4	69
83	Stimuliâ€Responsive Metalâ€“Organic Framework (MOF) with Chemoâ€Switchable Properties for Colorimetric Detection of CHCl₃. Chemistry - A European Journal, 2017, 23, 12559-12564.	3.3	68
84	Mixed Metal Fe₂Ni MIL-88B Metalâ€“Organic Frameworks Decorated on Reduced Graphene Oxide as a Robust and Highly Efficient Electrocatalyst for Alkaline Water Oxidation. Inorganic Chemistry, 2022, 61, 3396-3405.	4.0	68
85	Hedge balls nano-structure of a mixed-ligand lead(II) coordination polymer; thermal, structural and X-ray powder diffraction studies. CrystEngComm, 2010, 12, 370-372.	2.6	67
86	Microwave assisted synthesis of a new lead(<scp>ii</scp>) porous three-dimensional coordination polymer: study of nanostructured size effect on high iodide adsorption affinity. CrystEngComm, 2012, 14, 779-781.	2.6	66
87	An advanced composite with ultrafast photocatalytic performance for the degradation of antibiotics by natural sunlight without oxidizing the source over TMU-5@Niâ€“Ti LDH: mechanistic insight and toxicity assessment. Inorganic Chemistry Frontiers, 2020, 7, 2287-2304.	6.0	66
88	Urea-Based Metalâ€“Organic Frameworks as High and Fast Adsorbent for Hg²⁺ and Pb²⁺ Removal from Water. Inorganic Chemistry, 2019, 58, 180-187.	4.0	65
89	Phenolic nitroaromatics detection by fluorinated metal-organic frameworks: Barrier elimination for selective sensing of specific group of nitroaromatics. Journal of Hazardous Materials, 2021, 406, 124501.	12.4	65
90	Chiral metalâ€“organic frameworks based on asymmetric synthetic strategies and applications. Coordination Chemistry Reviews, 2021, 445, 214083.	18.8	65

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91	New regularities and an equation of state for liquids. Fluid Phase Equilibria, 2005, 230, 170-175.	2.5	64
92	Water-stable fluorinated metalâ€“organic frameworks (F-MOFs) with hydrophobic properties as efficient and highly active heterogeneous catalysts in aqueous solution. Green Chemistry, 2018, 20, 5336-5345.	9.0	64
93	Syntheses and characterization of different zinc(II) oxide nano-structures from direct thermal decomposition of 1D coordination polymers. Polyhedron, 2010, 29, 801-806.	2.2	63
94	High organic sulfur removal performance of a cobalt based metal-organic framework. Journal of Hazardous Materials, 2017, 331, 142-149.	12.4	63
95	High adsorption capacity of two Zn-based metalâ€“organic frameworks by ultrasound assisted synthesis. Ultrasonics Sonochemistry, 2016, 33, 54-60.	8.2	62
96	Functional group effect of isoreticular metalâ€“organic frameworks on heavy metal ion adsorption. New Journal of Chemistry, 2018, 42, 8864-8873.	2.8	62
97	Synthesis and properties of silk yarn containing Ag nanoparticles under ultrasound irradiation. Ultrasonics Sonochemistry, 2011, 18, 282-287.	8.2	61
98	(4,4â€²-Bipyridine)mercury(II) Coordination Polymers, Syntheses, and Structures. Helvetica Chimica Acta, 2006, 89, 81-93.	1.6	60
99	Theoretical study of solvent and co-solvent effects on the interaction of Flutamide anticancer drug with Carbon nanotube as a drug delivery system. Journal of Molecular Liquids, 2017, 248, 490-500.	4.9	60
100	Syntheses and characterization of nano-scale of the MnII complex with 4â€²-(4-pyridyl)-2,2â€²:6â€²,2â€³-terpyridine (pyterpy): The influence of the nano-structure upon catalytic properties. Inorganica Chimica Acta, 2009, 362, 3427-3432.	2.4	59
101	Formation of silver iodide nanoparticles on silk fiber by means of ultrasonic irradiation. Ultrasonics Sonochemistry, 2010, 17, 704-710.	8.2	59
102	Improvement of Methaneâ€“Framework Interaction by Controlling Pore Size and Functionality of Pillared MOFs. Inorganic Chemistry, 2017, 56, 2581-2588.	4.0	59
103	Zinc(ii) nitrite coordination polymers based on rigid and flexible organic nitrogen donor ligands. CrystEngComm, 2007, 9, 686.	2.6	58
104	Mechanism and Kinetics of the Wacker Process: A Quantum Mechanical Approach. Organometallics, 2008, 27, 72-79.	2.3	58
105	Structural and X-ray powder diffraction studies of nano-structured lead(II) coordination polymer with Î·2 Pbâ‹¯C interactions. Journal of Organometallic Chemistry, 2009, 694, 3565-3569.	1.8	58
106	High photodegradation efficiency of phenol by mixed-metalâ€“organic frameworks. Inorganic Chemistry Frontiers, 2016, 3, 944-951.	6.0	58
107	Ultrasonic assisted synthesis of a tetrazine functionalized MOF and its application in colorimetric detection of phenylhydrazine. Ultrasonics Sonochemistry, 2017, 37, 502-508.	8.2	58
108	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.	2.2	57

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109	Instantaneous Sonophotocatalytic Degradation of Tetracycline over NU-1000@ZnIn₂S₄ Coreâ€“Shell Nanorods as a Robust and Eco-friendly Catalyst. Inorganic Chemistry, 2021, 60, 9660-9672.	4.0	57
110	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.	2.2	56
111	Effects of Extending the Ï€-Electron System of Pillaring Linkers on Fluorescence Sensing of Aromatic Compounds in Two Isoreticular Metalâ€“Organic Frameworks. Crystal Growth and Design, 2015, 15, 5543-5547.	3.0	56
112	Heterogeneous catalysis with a coordination modulation synthesized MOF: morphology-dependent catalytic activity. New Journal of Chemistry, 2017, 41, 3957-3965.	2.8	56
113	Mercury(II) iodide coordination polymers generated from polyimine ligands. Polyhedron, 2008, 27, 1070-1078.	2.2	55
114	Dynamic crystal-to-crystal conversion of a 3Dâ€“3D coordination polymer by de- and re-hydration. Dalton Transactions, 2008, , 5173.	3.3	55
115	Hydrothermal and sonochemical synthesis of a nano-sized 2D lead(II) coordination polymer: A precursor for nano-structured PbO and PbBr2. Journal of Molecular Structure, 2009, 929, 187-192.	3.6	55
116	Two-dimensional coordination polymer involving eight-membered binuclear metallacycle nodes, [{Zn(Î¼2-OAc)2Zn}(Î¼4-bpe)3]n(ClO4)2n. Inorganic Chemistry Communication, 2005, 8, 460-462.	3.9	54
117	Lead(II): misleading or merely hermaphroditic?. Comptes Rendus Chimie, 2005, 8, 157-168.	0.5	54
118	New Reversible Crystal-to-Crystal Conversion of a Mixed-Ligand Lead(II) Coordination Polymer by De- and Rehydration. Inorganic Chemistry, 2009, 48, 10871-10873.	4.0	54
119	Urea-containing metal-organic frameworks as heterogeneous organocatalysts. Journal of Materials Chemistry A, 2015, 3, 20408-20415.	10.3	54
120	Sonochemical synthesis of nanoplates of two Cd(II) based metalâ€“organic frameworks and their applications as precursors for preparation of nano-materials. Ultrasonics Sonochemistry, 2016, 28, 240-249.	8.2	54
121	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.	8.2	54
122	Syntheses and characterization of AgI nano-structures by ultrasonic method: Different morphologies under different conditions. Ultrasonics Sonochemistry, 2010, 17, 572-578.	8.2	53
123	Ultrasonic-assisted synthesis of Ca(OH)₂and CaO nanostructures. Journal of Experimental Nanoscience, 2010, 5, 93-105.	2.4	53
124	Syntheses and characterization of lead(II) salts with 4,4â€²-bithiazole ligand: X-ray crystal structures of [(BTZ)2Pb(NO3)2] and [(BTZ)Pb(SCN)2]n (a new polymeric compound). Polyhedron, 2002, 21, 197-203.	2.2	52
125	Structural influence of counter-ions in lead(II) complexes: [Pb(phen)n(NO2)X], X=CH3COOâ^', NCSâ^' and , phen=1,10-phenanthroline. Solid State Sciences, 2005, 7, 1429-1437.	3.2	52
126	Assessment of solvent effects on the interaction of Carmustine drug with the pristine and COOH-functionalized single-walled carbon nanotubes: A DFT perspective. Journal of Molecular Liquids, 2017, 240, 87-97.	4.9	52

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127	Bonds and lone pairs in the flexible coordination sphere of lead(II). CrystEngComm, 2000, 2, 82.	2.6	51
128	[Pb2(2,2â€²-bipy)2(Î¼-4,4â€²-bipy)(NO3)4]: A novel hemidirected dimeric mixed-ligands lead(II) complex extended in holodirected two-dimensional polymer by weak Pbâ€“Onitrate interactions. Inorganic Chemistry Communication, 2005, 8, 773-776.	3.9	51
129	Ultrasonic assisted synthesis of two new coordination polymers and their applications as precursors for preparation of nano-materials. Ultrasonics Sonochemistry, 2017, 34, 984-992.	8.2	51
130	A Novel Three-Dimensional Coordination Polymer Involving Pbï£¿Pb Interactions and Three Different Hemidirected Lead(II) Coordination Spheres: X-Ray Crystal Structure of Tris(1,10-phenanthroline-ÎºN1,ÎºN10)bis[{Î¼3-[5-(sulfo-ÎºO)benzene-1,3-dicarboxylate(3â^')-ÎºO1,ÎºO1â€² :ÎºO2,ÎºO2â€² :ÎºO2]}trilead (Pbï£¿Pb) Trihydrate ([Pb3(phen)3(H2O)2(sip)2]nâ‹…3â€…H2O). Helvetica Chimica Acta, 2005, 88, 2543-2549.	2.0	50
131	Tll three-dimensional coordination polymer involving tetranuclear cubic cage nodes, [Tl4(Î¼8-SB)2]n{H2SB=4-[(4-hydroxyphenyl)sulfonyl]-1-benzenol}. Inorganic Chemistry Communication, 2006, 9, 143-146.	3.9	50
132	Selective detection and removal of mercury ions by dual-functionalized metalâ€“organic frameworks: design-for-purpose. New Journal of Chemistry, 2019, 43, 18079-18091.	2.8	49
133	Mercury(II) acetate/thiocyanate coordination polymers with n-donor ligands, spectroscopic, thermal and structural studies. Inorganica Chimica Acta, 2009, 362, 217-225.	2.4	48
134	Silver nanofibers from the nanorods of one-dimensional organometallic coordination polymers. CrystEngComm, 2010, 12, 3394.	2.6	48
135	Morphology-dependent sensing performance of dihydro-tetrazine functionalized MOF toward Al(III). Ultrasonics Sonochemistry, 2018, 41, 17-26.	8.2	48
136	Simple One-Pot Preparation of a Rapid Response AIE Fluorescent Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2018, 10, 36259-36266.	8.0	48
137	An effective strategy for creating asymmetric MOFs for chirality induction: a chiral Zr-based MOF for enantioselective epoxidation. Catalysis Science and Technology, 2019, 9, 3388-3397.	4.1	48
138	Size-Selective Urea-Containing Metalâ€“Organic Frameworks as Receptors for Anions. Inorganic Chemistry, 2020, 59, 16421-16429.	4.0	48
139	A new lead(II) complex of 2,2â€²-bipyridine, acetate and thiocyanate ligands: synthesis, characterization and crystal structure of [Pb(bpy)(NCS)(CH3COO)] n. Journal of Coordination Chemistry, 2004, 57, 1233-1241.	2.2	47
140	High efficiency of mechanosynthesized Zn-based metalâ€“organic frameworks in photodegradation of congo red under UV and visible light. RSC Advances, 2016, 6, 13272-13277.	3.6	47
141	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.	18.8	47
142	Amine-Functionalized Metal-Organic Frameworks: from Synthetic Design to Scrutiny in Application. Coordination Chemistry Reviews, 2022, 459, 214445.	18.8	47
143	Synthesis and characterization of Nano-bentonite by sonochemical method. Ultrasonics Sonochemistry, 2011, 18, 238-242.	8.2	46
144	Sonochemical syntheses of a new fibrous-like nano-scale manganese(II) coordination supramolecular compound; precursor for the fabrication of octahedral-like Mn3O4 nano-structure. Ultrasonics Sonochemistry, 2014, 21, 253-261.	8.2	46

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