

# Ali Morsali

## List of Publications by Citations

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702  
papers

17,801  
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63  
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93  
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724  
ext. papers

20,334  
ext. citations

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7.86  
L-index

#	Paper	IF	Citations
702	Structures and properties of mercury(II) coordination polymers. <i>Coordination Chemistry Reviews</i> , <b>2009</b> , 253, 1882-1905	23.2	345
701	Applications of metal-organic coordination polymers as precursors for preparation of nano-materials. <i>Coordination Chemistry Reviews</i> , <b>2012</b> , 256, 2921-2943	23.2	321
700	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15188-15205	16.4	268
699	Coordinatively unsaturated metal sites (open metal sites) in metal-organic frameworks: design and applications. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 2751-2798	58.5	204
698	Taking organic reactions over metal-organic frameworks as heterogeneous catalysis. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 256, 111-127	5.3	201
697	Sensing organic analytes by metal-organic frameworks: a new way of considering the topic. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 1598-1632	6.8	173
696	Template strategies with MOFs. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 387, 415-435	23.2	172
695	Application of mechanothesized azine-decorated zinc(II) metal-organic frameworks for highly efficient removal and extraction of some heavy-metal ions from aqueous samples: a comparative study. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 425-33	5.1	171
694	A dual Ni/Co-MOF-reduced graphene oxide nanocomposite as a high performance supercapacitor electrode material. <i>Electrochimica Acta</i> , <b>2018</b> , 275, 76-86	6.7	170
693	Applications of ultrasound to the synthesis of nanoscale metal-organic coordination polymers. <i>Coordination Chemistry Reviews</i> , <b>2015</b> , 292, 1-14	23.2	154
692	Dense coating of surface mounted CuBTC Metal-Organic Framework nanostructures on silk fibers, prepared by layer-by-layer method under ultrasound irradiation with antibacterial activity. <i>Ultrasonics Sonochemistry</i> , <b>2012</b> , 19, 846-52	8.9	150
691	Direct ultrasonic-assisted synthesis of sphere-like nanocrystals of spinel Co <sub>3</sub> O <sub>4</sub> and Mn <sub>3</sub> O <sub>4</sub> . <i>Ultrasonics Sonochemistry</i> , <b>2009</b> , 16, 124-31	8.9	145
690	Syntheses and characterization of Mg(OH) <sub>2</sub> and MgO nanostructures by ultrasonic method. <i>Ultrasonics Sonochemistry</i> , <b>2010</b> , 17, 441-6	8.9	144
689	Lead(II) carboxylate supramolecular compounds: Coordination modes, structures and nano-structures aspects. <i>Coordination Chemistry Reviews</i> , <b>2011</b> , 255, 2821-2859	23.2	140
688	The role of the counter-ion in metal-organic frameworks—chemistry and applications. <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 376, 319-347	23.2	129
687	Selective CO <sub>2</sub> Capture in Metal-Organic Frameworks with Azine-Functionalized Pores Generated by Mechanoynthesis. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 2092-2096	3.5	123
686	Thallium(I) supramolecular compounds: Structural and properties consideration. <i>Coordination Chemistry Reviews</i> , <b>2010</b> , 254, 1977-2006	23.2	122

685	Ordered Mesoporous Metal-Organic Frameworks Incorporated with Amorphous TiO <sub>2</sub> As Photocatalyst for Selective Aerobic Oxidation in Sunlight Irradiation. <i>ACS Catalysis</i> , <b>2014</b> , 4, 1398-1403	13.1	121
684	Two Dimensional Host-Guest Metal-Organic Framework Sensor with High Selectivity and Sensitivity to Picric Acid. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 21472-9	9.5	110
683	Rapid mechanochemical synthesis of two new Cd(II)-based metal-organic frameworks with high removal efficiency of Congo red. <i>CrystEngComm</i> , <b>2015</b> , 17, 686-692	3.3	109
682	Pillar-layered MOFs: functionality, interpenetration, flexibility and applications. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 19288-19329	13	107
681	Morphological study and potential applications of nano metal-organic coordination polymers. <i>RSC Advances</i> , <b>2013</b> , 3, 19191	3.7	104
680	Syntheses and characterization of Sr(OH) <sub>2</sub> and SrCO <sub>3</sub> nanostructures by ultrasonic method. <i>Ultrasonics Sonochemistry</i> , <b>2010</b> , 17, 132-8	8.9	102
679	Mechanosynthesis of new azine-functionalized Zn(II) metal-organic frameworks for improved catalytic performance. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16863-16866	13	99
678	Switching in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4652-4669	16.4	98
677	Syntheses and characterization of CdCO <sub>3</sub> and CdO nanoparticles by using a sonochemical method. <i>Materials Letters</i> , <b>2008</b> , 62, 478-482	3.3	95
676	Mercury(II) coordination polymers generated from 1,4-bis(2 or 3 or 4-pyridyl)-2,3-diaza-1,3-butadiene ligands. <i>CrystEngComm</i> , <b>2007</b> , 9, 704	3.3	94
675	Lanthanide metal-organic frameworks as selective microporous materials for adsorption of heavy metal ions. <i>Dalton Transactions</i> , <b>2016</b> , 45, 9193-200	4.3	94
674	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 = [Br], [SCN], [N <sub>3</sub> ] and [NO <sub>2</sub> ] spectroscopic, thermal, fluorescence and structural studies. <i>CrystEngComm</i> , <b>2007</b> , 9, 1062	3.3	93
673	An Asymmetric Supercapacitor Based on a Non-Calcined 3D Pillared Cobalt(II) Metal-Organic Framework with Long Cyclic Stability. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 16100-16111	5.1	90
672	Linker functionalized metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 399, 213023	23.2	89
671	Sonochemical syntheses of a new nano-sized porous lead(II) coordination polymer as precursor for preparation of lead(II) oxide nanoparticles. <i>Journal of Molecular Structure</i> , <b>2009</b> , 936, 206-212	3.4	89
670	Metal-Organic Framework Based on Isonicotinate N-Oxide for Fast and Highly Efficient Aqueous Phase Cr(VI) Adsorption. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 5507-13	5.1	88
669	Metal ion detection using luminescent-MOFs: Principles, strategies and roadmap. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 415, 213299	23.2	88
668	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. <i>Ultrasonics Sonochemistry</i> , <b>2010</b> , 17, 139-44	8.9	86

- 667 Syntheses of BaCO<sub>3</sub> nanostructures by ultrasonic method. *Ultrasonics Sonochemistry*, **2008**, 15, 833-8 8.9 85
- 666 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 5.1 79
- 665 Reuse of Predesigned Dual-Functional Metal Organic Frameworks (DF-MOFs) after Heavy Metal Removal. *Journal of Hazardous Materials*, **2021**, 403, 123696 12.8 78
- 664 Ultrasound-promoted coating of MOF-5 on silk fiber and study of adsorptive removal and recovery of hazardous anionic dye "congo red". *Ultrasonics Sonochemistry*, **2014**, 21, 1424-9 8.9 76
- 663 Synthesis of cadmium(II) hydroxide, cadmium(II) carbonate and cadmium(II) oxide nanoparticles; investigation of intermediate products. *Chemical Engineering Journal*, **2009**, 150, 569-571 14.7 76
- 662 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 2.7 76
- 661 Urea Metal-Organic Frameworks for Nitro-Substituted Compounds Sensing. *Inorganic Chemistry*, **2017**, 56, 1446-1454 5.1 75
- 660 Synthesis ZnO nanoparticles from a new Zinc(II) coordination polymer precursor. *Materials Letters*, **2010**, 64, 4-5 3.3 75
- 659 Nano-structures of two new lead(II) coordination polymers: New precursors for preparation of PbS nano-structures. *Solid State Sciences*, **2008**, 10, 1591-1597 3.4 74
- 658 Shape Control of Zn(II) Metal-Organic Frameworks by Modulation Synthesis and Their Morphology-Dependent Catalytic Performance. *Crystal Growth and Design*, **2015**, 15, 2533-2538 3.5 73
- 657 Modulating methane storage in anionic nano-porous MOF materials via post-synthetic cation exchange process. *Dalton Transactions*, **2013**, 42, 4786-9 4.3 73
- 656 Catalytic performance of Mn<sub>3</sub>O<sub>4</sub> and Co<sub>3</sub>O<sub>4</sub> nanocrystals prepared by sonochemical method in epoxidation of styrene and cyclooctene. *Applied Surface Science*, **2010**, 256, 6678-6682 6.7 73
- 655 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 3.5 73
- 654 Influence of an amine group on the highly efficient reversible adsorption of iodine in two novel isorecticular interpenetrated pillared-layer microporous metal-organic frameworks. *CrystEngComm*, **2014**, 16, 8660-8663 3.3 72
- 653 Application of Two Cobalt-Based Metal-Organic Frameworks as Oxidative Desulfurization Catalysts. *Inorganic Chemistry*, **2015**, 54, 11269-75 5.1 72
- 652 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 12.8 71
- 651 Dual-Purpose 3D Pillared Metal-Organic Framework with Excellent Properties for Catalysis of Oxidative Desulfurization and Energy Storage in Asymmetric Supercapacitor. *ACS Applied Materials & Interfaces*, **2019**, 11, 14759-14773 9.5 69
- 650 Basic isorecticular nanoporous metal-organic framework for Biginelli and Hantzsch coupling: IRMOF-3 as a green and recoverable heterogeneous catalyst in solvent-free conditions. *RSC Advances*, **2014**, 4, 10514 3.7 69

649	Sonochemical synthesis of nanoscale mixed-ligands lead(II) coordination polymers as precursors for preparation of Pb(2)(SO(4))O and PbO nanoparticles; thermal, structural and X-ray powder diffraction studies. <i>Ultrasonics Sonochemistry</i> , <b>2010</b> , 17, 435-40	8.9	69
648	Double Solvent Sensing Method for Improving Sensitivity and Accuracy of Hg(II) Detection Based on Different Signal Transduction of a Tetrazine-Functionalized Pillared Metal-Organic Framework. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 9646-9652	5.1	68
647	Sonochemical syntheses of a nano-sized copper(II) supramolecule as a precursor for the synthesis of copper(II) oxide nanoparticles. <i>Ultrasonics Sonochemistry</i> , <b>2012</b> , 19, 823-9	8.9	67
646	Highly sensitive and selective ratiometric fluorescent metal-organic framework sensor to nitroaniline in presence of nitroaromatic compounds and VOCs. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 243, 353-360	8.5	67
645	In situ synthesis of a drug-loaded MOF at room temperature. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 186, 73-79	5.3	66
644	Hedge balls nano-structure of a mixed-ligand lead(II) coordination polymer; thermal, structural and X-ray powder diffraction studies. <i>CrystEngComm</i> , <b>2010</b> , 12, 370-372	3.3	65
643	Ultrasound assisted synthesis of a Zn(II) metal-organic framework with nano-plate morphology using non-linear dicarboxylate and linear N-donor ligands. <i>RSC Advances</i> , <b>2014</b> , 4, 47894-47898	3.7	64
642	A MoO <sub>3</sub> /Metal-Organic Framework Composite as a Simultaneous Photocatalyst and Catalyst in the PODS Process of Light Oil. <i>ACS Catalysis</i> , <b>2017</b> , 7, 6949-6956	13.1	64
641	Investigation of reasons for metal-organic framework's antibacterial activities. <i>Polyhedron</i> , <b>2018</b> , 156, 257-278	2.7	64
640	Coordination polymers of lead(II) with 4,4'-bipyridine: syntheses and structures. <i>Polyhedron</i> , <b>2004</b> , 23, 2427-2436	2.7	63
639	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11048-11067	16.4	63
638	Bilateral photocatalytic mechanism of dye degradation by a designed ferrocene-functionalized cluster under natural sunlight. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 757-767	5.5	62
637	Synthesis and properties of silk yarn containing Ag nanoparticles under ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , <b>2011</b> , 18, 282-7	8.9	60
636	New regularities and an equation of state for liquids. <i>Fluid Phase Equilibria</i> , <b>2005</b> , 230, 170-175	2.5	60
635	Influence of the Amide Groups in the CO <sub>2</sub> /N <sub>2</sub> Selectivity of a Series of Isoreticular, Interpenetrated Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 6016-6023	3.5	60
634	PMo <sub>12</sub> @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> , <b>2021</b> , 283, 119582	21.8	58
633	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. <i>Applied Surface Science</i> , <b>2018</b> , 434, 492-503	6.7	57
632	Microwave assisted synthesis of a new lead(II) porous three-dimensional coordination polymer: study of nanostructured size effect on high iodide adsorption affinity. <i>CrystEngComm</i> , <b>2012</b> , 14, 779-781 <sup>3-3</sup>	3.3	57

631	Structural and X-ray powder diffraction studies of nano-structured lead(II) coordination polymer with $\pi$ -Pb $\pi$ C interactions. <i>Journal of Organometallic Chemistry</i> , <b>2009</b> , 694, 3565-3569	2.3	57
630	(4,4'-Bipyridine)mercury(II) Coordination Polymers, Syntheses, and Structures. <i>Helvetica Chimica Acta</i> , <b>2006</b> , 89, 81-93	2	57
629	Mechanism and Kinetics of the Wacker Process: A Quantum Mechanical Approach. <i>Organometallics</i> , <b>2008</b> , 27, 72-79	3.8	56
628	Zinc(II) nitrite coordination polymers based on rigid and flexible organic nitrogen donor ligands. <i>CrystEngComm</i> , <b>2007</b> , 9, 686	3.3	56
627	Ultrasonic-assisted synthesis of two new nano-structured 3D lead(II) coordination polymers: Precursors for preparation of PbO nano-structures. <i>Polyhedron</i> , <b>2010</b> , 29, 925-933	2.7	55
626	Formation of silver iodide nanoparticles on silk fiber by means of ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , <b>2010</b> , 17, 704-10	8.9	55
625	Dynamic crystal-to-crystal conversion of a 3D-3D coordination polymer by de- and re-hydration. <i>Dalton Transactions</i> , <b>2008</b> , 5173-7	4.3	55
624	Metal-organic frameworks based on multicarboxylate linkers. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 426, 213542	23.2	55
623	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> , <b>2018</b> , 24, 5529-5537	4.8	54
622	Syntheses and characterization of nano-scale of the Mn(II) complex with 4'-((4-pyridyl)-2,2':6',2''-terpyridine (pyterpy): The influence of the nano-structure upon catalytic properties. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 3427-3432	2.7	54
621	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) <sub>2</sub> ]. <i>Journal of Coordination Chemistry</i> , <b>2003</b> , 56, 779-785	1.6	54
620	Lead(II): misleading or merely hermaphroditic?. <i>Comptes Rendus Chimie</i> , <b>2005</b> , 8, 157-168	2.7	54
619	Porosity and dye adsorption enhancement by ultrasonic synthesized Cd(II) based metal-organic framework. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 37, 244-250	8.9	53
618	Highly Electroconductive Metal-Organic Framework: Tunable by Metal Ion Sorption Quantity. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11173-11182	16.4	53
617	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> , <b>2019</b> , 7, 11953-11966	13	52
616	Effects of Extending the $\pi$ -Electron System of Pillaring Linkers on Fluorescence Sensing of Aromatic Compounds in Two Isoreticular Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 5543-5547	3.5	52
615	New reversible crystal-to-crystal conversion of a mixed-ligand lead(II) coordination polymer by de- and rehydration. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 10871-3	5.1	52
614	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> , <b>2018</b> , 45, 50-56	8.9	51



595	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> , <b>2018</b> , 20, 5336-5345	10.48	48
594	Stimuli-Responsive Metal-Organic Framework (MOF) with Chemo-Switchable Properties for Colorimetric Detection of CHCl. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 12559-12564	4.8	47
593	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> , <b>2018</b> , 40, 921-928	8.9	47
592	TlI three-dimensional coordination polymer involving tetranuclear cubic cage nodes, [Tl <sub>4</sub> (8-SB) <sub>2</sub> ] <sub>n</sub> {H <sub>2</sub> SB=4-[(4-hydroxyphenyl)sulfonyl]-1-benzenol}. <i>Inorganic Chemistry Communication</i> , <b>2006</b> , 9, 143-146	3.1	47
591	High organic sulfur removal performance of a cobalt based metal-organic framework. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 331, 142-149	12.8	46
590	Heterogeneous catalysis with a coordination modulation synthesized MOF: morphology-dependent catalytic activity. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 3957-3965	3.6	46
589	Theoretical study of solvent and co-solvent effects on the interaction of Flutamide anticancer drug with Carbon nanotube as a drug delivery system. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 248, 490-500	6	46
588	Sonochemical syntheses of a new fibrous-like nano-scale manganese(II) coordination supramolecular compound; precursor for the fabrication of octahedral-like Mn <sub>3</sub> O <sub>4</sub> nano-structure. <i>Ultrasonics Sonochemistry</i> , <b>2014</b> , 21, 253-61	8.9	46
587	Silver nanofibers from the nanorods of one-dimensional organometallic coordination polymers. <i>CrystEngComm</i> , <b>2010</b> , 12, 3394	3.3	46
586	Syntheses and characterization of different zinc(II) oxide nano-structures from direct thermal decomposition of 1D coordination polymers. <i>Polyhedron</i> , <b>2010</b> , 29, 801-806	2.7	46
585	A new lead(II) complex of 2,2'-bipyridine, acetate and thiocyanate ligands: synthesis, characterization and crystal structure of [Pb(bpy)(NCS)(CH <sub>3</sub> COO)] <sub>n</sub> . <i>Journal of Coordination Chemistry</i> , <b>2004</b> , 57, 1233-1241	1.6	46
584	An advanced composite with ultrafast photocatalytic performance for the degradation of antibiotics by natural sunlight without oxidizing the source over TMU-5@NiTi LDH: mechanistic insight and toxicity assessment. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2287-2304	6.8	46
583	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> , <b>2019</b> , 11, 45442-45454	9.5	44
582	Urea-Based Metal-Organic Frameworks as High and Fast Adsorbent for Hg and Pb Removal from Water. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 180-187	5.1	44
581	Improvement of Methane-Framework Interaction by Controlling Pore Size and Functionality of Pillared MOFs. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 2581-2588	5.1	43
580	Ultrasound-assisted synthesis of nano-structured 3D zinc(II) metal-organic polymer: precursor for the fabrication of ZnO nano-structure. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 23, 238-45	8.9	43
579	Mercury(II) acetate/thiocyanate coordination polymers with n-donor ligands, spectroscopic, thermal and structural studies. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 217-225	2.7	43
578	Sonochemical synthesis and characterization of nano-belt lead(II) coordination polymer: new precursor to produce pure phase nano-sized lead(II) oxide. <i>Ultrasonics Sonochemistry</i> , <b>2011</b> , 18, 80-4	8.9	43



577	Silver nanoparticles from the thermal decomposition of a two-dimensional nano-coordination polymer. <i>Polyhedron</i> , <b>2010</b> , 29, 3304-3309	2.7	43
576	A novel one-dimensional helical chain polymer involving both tetra- and hexacoordinate mercury(II) ions. <i>Inorganic Chemistry Communication</i> , <b>2004</b> , 7, 1184-1187	3.1	43
575	Reversible solid state structural transformation of a polyhapto lead(II) polymeric chain to a tetrahapto lead(II) two-dimensional network by thermal dehydration with no change in nanoplate morphology. <i>CrystEngComm</i> , <b>2011</b> , 13, 2047	3.3	42
574	Syntheses and Characterization of Mixed-Anions Lead(II) Complexes, [Pb(phen) <sub>2</sub> (CH <sub>3</sub> COO)]X (X=NCS <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> and ClO <sub>4</sub> <sup>-</sup> ) Crystal Structure of [Pb(phen) <sub>2</sub> (CH <sub>3</sub> COO)](ClO <sub>4</sub> ). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2003</b> , 629, 2596-2599	1.3	42
573	Sonochemical synthesis of nanoplates of two Cd(II) based metal-organic frameworks and their applications as precursors for preparation of nano-materials. <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 28, 240-249	8.9	41
572	An interpenetrating amine-functionalized metal-organic framework as an efficient and reusable catalyst for the selective synthesis of tetrahydro-chromenes. <i>CrystEngComm</i> , <b>2015</b> , 17, 1680-1685	3.3	41
571	Sonochemical synthesis of tri-nuclear lead(II)-azido nano rods coordination polymer with 3,4,7,8-tetramethyl-1,10-phenanthroline (tmph): Crystal structure determination and preparation of nano lead(II) oxide. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1079, 67-73	3.4	41
570	The 4,4'-bipyridine Bi <sup>3+</sup> coordination polymer involving simultaneous of two different 1D chains in one system, [4,4'-bipyH] <sub>n</sub> <sup>+</sup> [Bi(4,4'-bipy)Br <sub>4</sub> ] <sub>n</sub> <sup>-</sup> thermal and structural studies. <i>Solid State Sciences</i> , <b>2006</b> , 8, 82-85	3.4	41
569	Syntheses and Characterization of a New One-Dimensional Polymer Containing (μ-Thiocyanate)(bpy)Lead(II) Molecule and New Mixed-Anion Lead (II) Complexes: Crystal Structures of [Pb(bpy)(SCN) <sub>2</sub> ] <sub>n</sub> (byp = 2,2'-Bipyridine) and [Pb(phen) <sub>2</sub> (NO <sub>3</sub> ) <sub>0.7</sub> (ClO <sub>4</sub> ) <sub>0.3</sub> ](ClO <sub>4</sub> ) (phen = 1,10-Phenanthroline). <i>Journal of Coordination Chemistry</i> , <b>2003</b> , 56, 761-770	1.6	41
568	A Novel One-Dimensional Coordination Polymer Involving Weak Hg <sup>2+</sup> Hg Interactions. <i>Helvetica Chimica Acta</i> , <b>2005</b> , 88, 2267-2271	2	41
567	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 to Cyclic Carbonates. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 2056-2067	5.1	41
566	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 15330-15347	3.6	40
565	Sonochemical syntheses and characterization of nano-sized lead(II) coordination polymer with ligand 1H-1,2,4-triazole-3-carboxylate. <i>Ultrasonics Sonochemistry</i> , <b>2012</b> , 19, 300-6	8.9	40
564	A One-Dimensional Thallium(I) Coordination Polymer Involving Polyhapto-Aromatic Interactions. <i>Helvetica Chimica Acta</i> , <b>2006</b> , 89, 265-269	2	40
563	Sonochemical syntheses of two new flower-like nano-scale high coordinated lead(II) supramolecular coordination polymers. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 23, 282-8	8.9	39
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561	Ultrasonic-assisted synthesis of Ca(OH) <sub>2</sub> and CaO nanostructures. <i>Journal of Experimental Nanoscience</i> , <b>2010</b> , 5, 93-105	1.9	39
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557	Novel rare case of 2D + 1D = 2D polycatenation Hg(II) coordination polymer. <i>CrystEngComm</i> , <b>2009</b> , 11, 50-51	3.3	38
556	One-Dimensional Corrugated Tape AgI Coordination Polymers Constructed of Ag-I Bonds. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 2024-2030	3.5	38
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554	Morphology-dependent sensing performance of dihydro-tetrazine functionalized MOF toward Al(III). <i>Ultrasonics Sonochemistry</i> , <b>2018</b> , 41, 17-26	8.9	37
553	Synthesis and characterization of Ag nanoparticles@Polyethylene fibers under ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , <b>2012</b> , 19, 853-7	8.9	37
552	Sonochemical syntheses and characterization of new nanorod crystals of mercury(II) metal-organic polymer generated from polyimine ligands. <i>Journal of Coordination Chemistry</i> , <b>2010</b> , 63, 1186-1193	1.6	37
551	S-allyl-3-(2-pyridyl-methylene)dithiocarbamate ligand and its manganese(II), cobalt(III) and nickel(II) complexes. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 371, 36-41	2.7	37
550	Synthesis, experimental and theoretical characterization of tetra dentate N,N'-dipyridoxyl (1,3-propylenediamine) salen ligand and its Co(III) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 71, 1341-7	4.4	37
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544	Synthesis and characterization of nano-bentonite by sonochemical method. <i>Ultrasonics Sonochemistry</i> , <b>2011</b> , 18, 238-42	8.9	35
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