

Ali Morsali

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

702
papers

17,801
citations

63
h-index

93
g-index

724
ext. papers

20,334
ext. citations

4.6
avg. IF

7.86
L-index

#	Paper	IF	Citations
702	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	3.3	
701	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	6.7	1
700	Engineered design of a new HOF by simultaneous monitoring of reaction environment conductivity. <i>Journal of Solid State Chemistry</i> , 2022 , 307, 122834	3.3	0
699	Mixed Metal FeNi 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 ,	5.1	2
698	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	5	0
697	Amine-Functionalized Metal-Organic Frameworks: from Synthetic Design to Scrutiny in Application. <i>Coordination Chemistry Reviews</i> , 2022 , 459, 214445	23.2	1
696	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	3.6	0
695	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	3.8	5
694	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> , 2021 , 633, 127778	5.1	0
693	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	6	2
692	A pillar-layered metal-organic framework based on pinwheel trinuclear zinc-carboxylate clusters; synthesis and characterization. <i>Materials Letters</i> , 2021 , 287, 129261	3.3	16
691	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	21.8	58
690	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	0.9	3
689	High performance of ultrasonic-assisted synthesis of two spherical polymers for enantioselective catalysis. <i>Ultrasonics Sonochemistry</i> , 2021 , 73, 105499	8.9	6
688	Instantaneous Sonophotocatalytic Degradation of Tetracycline over NU-1000@ZnInS Core-Shell Nanorods as a Robust and Eco-friendly Catalyst. <i>Inorganic Chemistry</i> , 2021 , 60, 9660-9672	5.1	22
687	Metal-organic framework composites as green/sustainable catalysts. <i>Coordination Chemistry Reviews</i> , 2021 , 436, 213827	23.2	33
686	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	4.8	5

685	Fabrication of transparent ultraviolet blocking films using nanocomposites derived from metal-organic frameworks. <i>Journal of Alloys and Compounds</i> , 2021 , 868, 158996	5.7	3
684	Metal-organic frameworks based on multicarboxylate linkers. <i>Coordination Chemistry Reviews</i> , 2021 , 426, 213542	23.2	55
683	Metal-organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie</i> , 2021 , 133, 11148-11167	3.6	3
682	Reuse of Predesigned Dual-Functional Metal Organic Frameworks (DF-MOFs) after Heavy Metal Removal. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123696	12.8	78
681	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	16.4	24
680	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	12.8	27
679	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	3.6	2
678	Construction of an Asymmetric Porphyrinic Zirconium Metal-Organic Framework through Ionic Postchiral Modification. <i>Inorganic Chemistry</i> , 2021 , 60, 206-218	5.1	8
677	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11048-11067	16.4	63
676	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> , 2021 , 60, 2056-2067	5.1	41
675	A dual-response regenerable luminescent 2D-MOF for nitroaromatic sensing via target-modulation of active interaction sites. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12849-12858	7.1	2
674	Facile synthesis of two new hexa-/octa-nuclear silver clusters and investigation of their optical features. <i>Polyhedron</i> , 2021 , 194, 114940	2.7	1
673	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	5.1	4
672	Highly Sensitive Colorimetric Naked-Eye Detection of Hg Using a Sacrificial Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2021 , 60, 13588-13595	5.1	1
671	A pillared metal-organic framework with rich 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	5.1	1
670	Complexity Based on Structural Defects 2021 , 149-169		
669	Complexity Based on Chiral Framework Part 2 2021 , 127-148		
668	Introduction: A Brief Introduction About Metal-Organic Frameworks 2021 , 1-11		

667 Complexity Based on Heterogeneous Pores **2021**, 171-183

666 Metal-Organic Frameworks Complexity **2021**, 13-26

665 Complexity Based on Chiral Framework Part 1 **2021**, 105-126

664 Complexity Based on Ligand Part 1 **2021**, 27-56

663 Complexity Based on Metal Node **2021**, 71-103

662 Development of a highly porous Fe-based MOF using symmetrically incompatible building blocks: Selective oxidation of benzyl alcohols. *Applied Materials Today*, **2021**, 24, 101157 6.6 0

661 Chiral metal-organic frameworks based on asymmetric synthetic strategies and applications. *Coordination Chemistry Reviews*, **2021**, 445, 214083 23.2 9

660 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. *Journal of Solid State Chemistry*, **2021**, 302, 122390 3.3

659 Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. *Chemosphere*, **2021**, 281, 130717 8.4 14

658 Sono-synthesis of basic metal-organic framework for reusable catalysis of organic reactions in the eco-friendly conditions. *Journal of Solid State Chemistry*, **2021**, 303, 122525 3.3 3

657 Mechanochemical solid state architectonics on Lead(II) coordination polymer by anion-exchange. *Journal of Solid State Chemistry*, **2021**, 304, 122592 3.3

656 High specific capacitance of a 3D-metal-organic framework-confined growth in CoMn₂O₄ nanostars as advanced supercapacitor electrode materials. *Journal of Materials Chemistry A*, **2021**, 9, 11001-11012 13 30

655 Stable supercapacitor electrode based on two-dimensional high nucleus silver nano-clusters as a green energy source. *Dalton Transactions*, **2021**, 50, 2606-2615 4.3 5

654 The role of metal-organic porous frameworks in dual catalysis. *Inorganic Chemistry Frontiers*, **2021**, 8, 3618-3658 6.8 5

653 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 5.5 8

652 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 4.8 14

651 Azobenzene based 2D-MOF for high selective quinone fluorescence sensing performance. *Inorganica Chimica Acta*, **2020**, 510, 119699 2.7 1

650 2D-3D corrugated structure self-assembled from 4,4'-methylenebis(N-(pyridin-2-ylmethylene)aniline and terephthalic acid: Crystal structure and selective anion separations via anion exchange. *Applied Organometallic Chemistry*, **2020**, 34, e5768 3.1 5

649	Quantum molecular study of mesoporous silica nanoparticle as a delivery system for troxacitabine anticancer drug. <i>Journal of Molecular Liquids</i> , 2020 , 310, 113155	6	3
648	A conductive 1D high-nucleus silver polymer as a brilliant non-hybrid supercapacitor electrode. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12975-12983	13	26
647	Coordinatively unsaturated metal sites (open metal sites) in metal-organic frameworks: design and applications. <i>Chemical Society Reviews</i> , 2020 , 49, 2751-2798	58.5	204
646	Ultrasonic-assisted synthesis of nano-sized metal-organic framework; a simple method to explore selective and fast Congo Red adsorption. <i>Ultrasonics Sonochemistry</i> , 2020 , 69, 105246	8.9	13
645	Synthesis, experimental and computational characterizations of a new quinoline derived Schiff base and its Mn(II), Ni(II) and Cu(II) complexes. <i>Journal of Molecular Structure</i> , 2020 , 1208, 127898	3.4	9
644	Synthesis, Characterization and DNA Binding Investigations of a New Binuclear Ag(I) Complex and Evaluation of Its Anticancer Property. <i>International Journal of Nanomedicine</i> , 2020 , 15, 953-964	7.3	3
643	Dimension Control in Mixed Linker Metal-Organic Frameworks via Adjusting the Linker Shapes. <i>Inorganic Chemistry</i> , 2020 , 59, 2988-2996	5.1	11
642	Sensing organic analytes by metal-organic frameworks: a new way of considering the topic. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1598-1632	6.8	173
641	Investigation of the Effect of a Mixed-Ligand on the Accommodation of a Templating Molecule into the Structure of High-Nucleus Silver Clusters. <i>Inorganic Chemistry</i> , 2020 , 59, 2248-2254	5.1	18
640	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	2.7	8
639	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	16.4	17
638	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	5.8	48
637	Hexavalent Octahedral Template: A Neutral High-Nucleus Silver Alkynyl Nanocluster Emitting Infrared Light. <i>Inorganic Chemistry</i> , 2020 , 59, 6684-6688	5.1	18
636	(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	0.9	0
635	Nanostructures of PAMAM Dendrimers in Drug Delivery System for 5-Fluorouracil. <i>Journal of Siberian Federal University: Chemistry</i> , 2020 , 309-323	0.3	0
634	Introduction to Functional Metal-Organic Frameworks 2020 , 1-14		0
633	Amine Decorated Metal-Organic Frameworks 2020 , 15-35		
632	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	4.3	10

631	The scrutinised DFT and MD studies on the adsorption of D-penicillamine drug on Fe ₂ O ₃ nanoparticle as a highly efficient carrier. <i>Molecular Simulation</i> , 2020 , 46, 408-418	2	1
630	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	8.5	17
629	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	8.9	25
628	Surface functionalization of chitosan with 5-nitroisatin. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 534-546	7.9	9
627	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	6	30
626	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	5.5	62
625	Synthesis of a new binuclear silver(I) complex with the ability to interact with DNA molecule. <i>Materials Letters</i> , 2020 , 262, 127199	3.3	5
624	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	12.8	71
623	Highest and Fastest Removal Rate of Pb Ions through Rational Functionalized Decoration of a Metal-Organic Framework Cavity. <i>Chemistry - A European Journal</i> , 2020 , 26, 1355-1362	4.8	11
622	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	1.2	
621	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	0.7	2
620	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	2.3	4
619	Electrochemical Applications of Ferrocene-Based Coordination Polymers. <i>ChemPlusChem</i> , 2020 , 85, 2397-2418	2.4	49
618	Rapid and Selective Water Remediation through a Functionalized Pillar Core of a Novel Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2020 , 20, 6109-6116	3.5	4
617	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	4.8	2
616	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	3.3	6
615	Stability appraisalment of the alumina-brine nanofluid in the presence of ionic and non-ionic dispersants 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	6	7
614	Synthesis of the highly porous semiconductors with different electrical features using isostructural metal-organic frameworks as precursor. <i>Synthetic Metals</i> , 2020 , 270, 116600	3.6	2

613	Size-Selective Urea-Containing Metal-Organic Frameworks as Receptors for Anions. <i>Inorganic Chemistry</i> , 2020 , 59, 16421-16429	5.1	35
612	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	9.5	12
611	Azo and Azine Decorated Metal-Organic Frameworks 2020 , 37-54		
610	An applied quantum-chemical model for genipin-crosslinked chitosan (GCS) nanocarrier. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1229-1240	7.9	2
609	Heterocyclic Azine Decorated Metal-Organic Frameworks 2020 , 79-106		
608	Functional Metal-Organic Frameworks by Oxygen and Sulfur Based Functions 2020 , 133-164		
607	Urea and Amide Decorated Metal-Organic Frameworks 2020 , 165-199		
606	Switching in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4652-4669	16.4	98
605	Schalten in Metall-organischen Geräten. <i>Angewandte Chemie</i> , 2020 , 132, 4680-4699	3.6	14
604	Density functional theory study towards investigating the adsorption properties of the Fe ₂ O ₃ nanoparticles as a nanocarrier for delivery of Flutamide anticancer drug. <i>Adsorption</i> , 2020 , 26, 925-939	2.6	7
603	Acetyl-11-keto- Δ^8 -cannabinoid derivatives effects on 5-lipoxygenase: In silico viewpoint. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 94, 107464	2.8	1
602	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	6	5
601	Metal ion detection using luminescent-MOFs: Principles, strategies and roadmap. <i>Coordination Chemistry Reviews</i> , 2020 , 415, 213299	23.2	88
600	An advanced composite with ultrafast photocatalytic performance for the degradation of antibiotics by natural sunlight without oxidizing the source over TMU-5@Ni ₃ S ₂ /LDH: mechanistic insight and toxicity assessment. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2287-2304	6.8	46
599	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	8.9	5
598	Linker functionalized metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2019 , 399, 213023	23.2	89
597	Dual activity of durable chiral hydroxyl-rich MOF for asymmetric catalytic reactions. <i>Journal of Catalysis</i> , 2019 , 378, 28-35	7.3	16
596	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	0.9	0

595	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	4.8	18
594	Highly Electroconductive Metal-Organic Framework: Tunable by Metal Ion Sorption Quantity. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11173-11182	16.4	53
593	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, 21711-21715	9.5	154
592	Metal-organic framework derived porous 2D semiconductor C/ZnO nanocomposite with the high electrical conductivity. <i>Materials Letters</i> , 2019 , 252, 325-328	3.3	21
591	Mechanistic, Energetic and Structural Studies of Fe ₂ O ₃ Nanoparticles Functionalized with Drug Artemisinin. <i>Russian Journal of Inorganic Chemistry</i> , 2019 , 64, 503-510	1.5	3
590	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	4.3	28
589	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	5.5	29
588	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	0.5	
587	Introduction to Metal-Organic Frameworks 2019 , 1-44		
586	Pillar-Layer Metal-Organic Frameworks 2019 , 45-59		1
585	Rigid and Flexible Pillars 2019 , 59-76		
584	Introduction to O-Donor Pillars 2019 , 177-253		
583	Properties and Applications of Pillar-Layer MOFs 2019 , 275-339		
582	Highly sensitive fluorescent metal-organic framework as a selective sensor of Mn and Cr anions (MnO/CrO/CrO) in aqueous solutions. <i>Analytica Chimica Acta</i> , 2019 , 1064, 119-125	6.6	49
581	Template strategies with MOFs. <i>Coordination Chemistry Reviews</i> , 2019 , 387, 415-435	23.2	172
580	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	6	15
579	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. <i>Angewandte Chemie</i> , 2019 , 131, 15330-15347	3.6	40
578	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15188-15205	16.4	268

577	Trivalent Tetrahedral Anion Template: A 26-Nucleus Silver Alkynyl Cluster Encapsulating Vanadate. <i>Inorganic Chemistry</i> , 2019 , 58, 5397-5400	5.1	26
576	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	9.5	69
575	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	13	52
574	Ultrasonic-assisted fabrication of thin-film electrochemical detector of HO based on ferrocene-functionalized silver cluster. <i>Ultrasonics Sonochemistry</i> , 2019 , 56, 305-312	8.9	24
573	Delamination of 2D coordination polymers: The role of solvent and ultrasound. <i>Ultrasonics Sonochemistry</i> , 2019 , 55, 186-195	8.9	14
572	Quantum chemical modeling of iron oxide magnetic nanoparticles functionalized with cytarabine. <i>Chemical Physics Letters</i> , 2019 , 719, 12-21	2.5	9
571	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	2.8	1
570	Solvent switching smart metal-organic framework as a catalyst of reduction and condensation. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2412-2422	6.8	13
569	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	3.5	11
568	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 ¹³	13	25
567	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	2.7	1
566	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	5.1	90
565	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	9.5	44
564	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	5.1	17
563	The Effect of Temperature on the Interaction of Phenanthroline-based Ligands with G-quadruplex: In Silico Viewpoint. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2019 , 22, 546-554	1.3	
562	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	3.6	33
561	2019 ,		2
560	The targeted design of dual-functional metal-organic frameworks (DF-MOFs) as highly efficient adsorbents for Hg ions: synthesis for purpose. <i>Dalton Transactions</i> , 2019 , 48, 17831-17839	4.3	28

559	Role of repulsive forces on self-assembly behavior of amyloid β peptide (1-40): Molecular dynamics simulation approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 513, 524-535	3-3	3
558	Urea-Based Metal-Organic Frameworks as High and Fast Adsorbent for Hg and Pb Removal from Water. <i>Inorganic Chemistry</i> , 2019 , 58, 180-187	5-1	44
557	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	3-3	7
556	Synthesis, characterization and single crystal X-ray analysis of Zn(II) phenanthridine complexes. <i>Journal of Molecular Structure</i> , 2019 , 1181, 579-586	3-4	1
555	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	3-3	25
554	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	3-4	11
553	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	8-9	18
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408	Reversible solid-gas and solid-solid transformation of lead(II)-phenylalanine coordination polymers. <i>Inorganica Chimica Acta</i> , 2015 , 435, 25-29	2.7	1
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406	Ultrasonic-assisted synthesis and structural characterization of two new nano-structured Hg(II) coordination polymers. <i>Ultrasonics Sonochemistry</i> , 2015 , 27, 503-508	8.9	15
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