

Rong Cao

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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.

558
papers

23,550
citations

81
h-index

124
g-index

593
ext. papers

27,220
ext. citations

6.5
avg, IF

7.42
L-index

#	Paper	IF	Citations
558	Multifunctional metal-organic framework catalysts: synergistic catalysis and tandem reactions. <i>Chemical Society Reviews</i> , 2017 , 46, 126-157	58.5	1208
557	Metal-organic frameworks based on flexible ligands (FL-MOFs): structures and applications. <i>Chemical Society Reviews</i> , 2014 , 43, 5867-95	58.5	638
556	Syntheses and characterizations of three-dimensional channel-like polymeric lanthanide complexes constructed by 1,2,4,5-benzenetetracarboxylic acid. <i>Inorganic Chemistry</i> , 2002 , 41, 2087-94	5.1	456
555	A Silver(I) Coordination Polymer Chain Containing Nanosized Tubes with Anionic and Solvent Molecule Guests This work was supported by the National Nature Science Foundation of China. M.C.H. thanks the Croucher Foundation of Hong Kong for financial support. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2468-2470	16.4	262
554	Postsynthetic ionization of an imidazole-containing metal-organic framework for the cycloaddition of carbon dioxide and epoxides. <i>Chemical Science</i> , 2017 , 8, 1570-1575	9.4	253
553	A multifunctional 3D ferroelectric and NLO-active porous metal-organic framework. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6894-5	16.4	251
552	Syntheses, Structures, and Magnetic Properties of Two Gadolinium(III)-Copper(II) Coordination Polymers by a Hydrothermal Reaction This work is supported by the NNSF of China, the NSF of Fujian Province, and the Key Project from the CAS. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 3304-3307	16.4	243
551	A robust binary supramolecular organic framework (SOF) with high CO ₂ adsorption and selectivity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12828-31	16.4	220
550	Two three-dimensional metal-organic frameworks containing one-dimensional hydroxyl/carboxylate mixed bridged metal chains: syntheses, crystal structures, and magnetic properties. <i>Inorganic Chemistry</i> , 2006 , 45, 1508-16	5.1	217
549	Metal-organic frameworks and porous organic polymers for sustainable fixation of carbon dioxide into cyclic carbonates. <i>Coordination Chemistry Reviews</i> , 2019 , 378, 32-65	23.2	208
548	A Nanometer-Sized Metallosupramolecular Cube with OhSymmetry. <i>Journal of the American Chemical Society</i> , 2000 , 122, 4819-4820	16.4	196
547	Atomically Dispersed Iron-Nitrogen Active Sites within Porphyrinic Triazine-Based Frameworks for Oxygen Reduction Reaction in Both Alkaline and Acidic Media. <i>ACS Energy Letters</i> , 2018 , 3, 883-889	20.1	195
546	Photochromic hybrid materials of cucurbituril and polyoxometalates as photocatalysts under visible light. <i>Chemical Communications</i> , 2012 , 48, 669-71	5.8	194
545	Syntheses and characterizations of copper(II) polymeric complexes constructed from 1,2,4,5-benzenetetracarboxylic acid. <i>Inorganic Chemistry</i> , 2002 , 41, 6161-8	5.1	192
544	A Semiconducting Lamella Polymer. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2911-2914	16.4	192
543	Enantioselective addition of diethylzinc to aromatic aldehydes catalyzed by Ti(BINOL) complex. <i>Tetrahedron: Asymmetry</i> , 1997 , 8, 585-589		183
542	Hydrothermal syntheses, structures and properties of terephthalate-bridged polymeric complexes with zig-zag chain and channel structures. <i>Dalton Transactions RSC</i> , 2001 , 2335-2340		175

541	Palladium nanoparticles encapsulated in a metal-organic framework as efficient heterogeneous catalysts for direct C2 arylation of indoles. <i>Chemistry - A European Journal</i> , 2011 , 17, 12706-12	4.8	170
540	A new type of three-dimensional framework constructed from dodecanuclear cadmium(II) macrocycles. <i>Chemical Communications</i> , 2003 , 1018-9	5.8	170
539	Cucurbituril: A promising organic building block for the design of coordination compounds and beyond. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 1334-1356	23.2	165
538	Syntheses and Characterizations of Zinc(II) Compounds Containing Three-Dimensional Interpenetrating Diamondoid Networks Constructed by Mixed Ligands. <i>Crystal Growth and Design</i> , 2004 , 4, 775-780	3.5	159
537	Metal-organic framework thin films: electrochemical fabrication techniques and corresponding applications & perspectives. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12356-12369	13	158
536	Recent Advances in the Stabilization of Platinum Electrocatalysts for Fuel-Cell Reactions. <i>ChemCatChem</i> , 2014 , 6, 26-45	5.2	155
535	Metal(II) Coordination Polymers Derived from Bis-pyridyl-bis-amide Ligands and Carboxylates: Syntheses, Topological Structures, and Photoluminescence Properties. <i>Crystal Growth and Design</i> , 2011 , 11, 1662-1674	3.5	154
534	Palladium nanoparticles supported on amino functionalized metal-organic frameworks as highly active catalysts for the Suzuki-Miyaura cross-coupling reaction. <i>Catalysis Communications</i> , 2011 , 14, 27-31	3.2	151
533	Bisphosphonates target multiple sites in both cis- and trans-prenyltransferases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 10022-7	11.5	150
532	Lipophilic bisphosphonates as dual farnesyl/geranylgeranyl diphosphate synthase inhibitors: an X-ray and NMR investigation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5153-62	16.4	147
531	MOF-808: A Metal-Organic Framework with Intrinsic Peroxidase-Like Catalytic Activity at Neutral pH for Colorimetric Biosensing. <i>Inorganic Chemistry</i> , 2018 , 57, 9096-9104	5.1	146
530	An Ultra-Robust and Crystalline Redeemable Hydrogen-Bonded Organic Framework for Synergistic Chemo-Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7691-7696	16.4	141
529	Assembly of silver(I) polymers with helical and lamellar structures. <i>Chemistry - A European Journal</i> , 2000 , 6, 427-31	4.8	138
528	Efficient Capture and Effective Sensing of CrO from Water Using a Zirconium Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2017 , 56, 14178-14188	5.1	137
527	Preparations, structures, and magnetic properties of a series of novel copper(II)-lanthanide(III) coordination polymers via hydrothermal reaction. <i>Inorganic Chemistry</i> , 2001 , 40, 4574-82	5.1	136
526	A water-insoluble and visible light induced polyoxometalate-based photocatalyst. <i>Chemical Communications</i> , 2010 , 46, 2429-31	5.8	135
525	Novel silver-containing supramolecular frameworks constructed by combination of coordination bonds and supramolecular interactions. <i>Inorganic Chemistry</i> , 2003 , 42, 7512-8	5.1	134
524	Boosting Interfacial Charge-Transfer Kinetics for Efficient Overall CO Photoreduction via Rational Design of Coordination Spheres on Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12515-12523	16.4	131

523	Solvothermal syntheses and crystal structures of two metal coordination polymers with double-chain structures. <i>Polyhedron</i> , 2001 , 20, 3287-3293	2.7	131
522	Syntheses and Characterizations of Two 3D Cobalt Organic Frameworks from 2D Honeycomb Building Blocks. <i>Crystal Growth and Design</i> , 2005 , 5, 1849-1855	3.5	128
521	Synthesis, Crystal Structure and Fluorescence of Two Novel Mixed-Ligand Cadmium Coordination Polymers with Different Structural Motifs. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 2705-2710	7.0	125
520	Isomer separation, conformation control of flexible cyclohexanedicarboxylate ligand in cadmium complexes. <i>Chemical Communications</i> , 2004 , 2104-5	5.8	123
519	Syntheses, crystal structures and properties of two novel lanthanide carboxylate polymeric complexes. <i>Dalton Transactions RSC</i> , 2002 , 1847-1851		122
518	An Anion Metal-Organic Framework with Lewis Basic Sites-Rich toward Charge-Exclusive Cationic Dyes Separation and Size-Selective Catalytic Reaction. <i>Inorganic Chemistry</i> , 2016 , 55, 2641-9	5.1	121
517	Facile synthesis of palladium nanoparticles encapsulated in amine-functionalized mesoporous metal-organic frameworks and catalytic for dehalogenation of aryl chlorides. <i>Journal of Catalysis</i> , 2012 , 292, 111-117	7.3	120
516	Soluble Metal-Nanoparticle-Decorated Porous Coordination Polymers for the Homogenization of Heterogeneous Catalysis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10104-7	16.4	119
515	Molecularly imprinted polymer microspheres prepared by Pickering emulsion polymerization for selective solid-phase extraction of eight bisphenols from human urine samples. <i>Analytica Chimica Acta</i> , 2015 , 872, 35-45	6.6	118
514	Highly Selective CO Electroreduction to CH by In Situ Generated Cu O Single-Type Sites on a Conductive MOF: Stabilizing Key Intermediates with Hydrogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23641-23648	16.4	117
513	Coordination polymers based on flexible ditopic carboxylate or nitrogen-donor ligands. <i>CrystEngComm</i> , 2010 , 12, 660-670	3.3	115
512	An imidazolium-functionalized mesoporous cationic metal-organic framework for cooperative CO fixation into cyclic carbonate. <i>Chemical Communications</i> , 2018 , 54, 342-345	5.8	114
511	Conjugated ligands modulated sandwich structures and luminescence properties of lanthanide metal-organic frameworks. <i>Inorganic Chemistry</i> , 2011 , 50, 5242-8	5.1	112
510	Zinc Porphyrin/Imidazolium Integrated Multivariate Zirconium Metal-Organic Frameworks for Transformation of CO into Cyclic Carbonates. <i>Inorganic Chemistry</i> , 2018 , 57, 2584-2593	5.1	111
509	Water-Stable Anionic Metal-Organic Framework for Highly Selective Separation of Methane from Natural Gas and Pyrolysis Gas. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9777-81	9.5	109
508	Antibacterial drug leads targeting isoprenoid biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 123-8	11.5	106
507	Self-Healing and Antifouling Multifunctional Coatings Based on pH and Sulfide Ion Sensitive Nanocontainers. <i>Advanced Functional Materials</i> , 2013 , 23, 3307-3314	15.6	105
506	pH-Dependent syntheses and crystal structures of a series of organic-inorganic hybrids constructed from Keggin or Wells-Dawson polyoxometalates and silver coordination compounds. <i>Inorganic Chemistry</i> , 2010 , 49, 736-44	5.1	105

505	Phosphotungstic acid encapsulated in the mesocages of amine-functionalized metal-organic frameworks for catalytic oxidative desulfurization. <i>Dalton Transactions</i> , 2014 , 43, 11950-8	4.3	103
504	Cobalt single-atoms anchored on porphyrinic triazine-based frameworks as bifunctional electrocatalysts for oxygen reduction and hydrogen evolution reactions. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1252-1259	13	102
503	Photocatalytic Degradation of Tetracycline Antibiotics over CdS/Nitrogen-Doped Carbon Composites Derived from in Situ Carbonization of Metal-Organic Frameworks. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 10847-10854	8.3	102
502	Monodisperse noble metal nanoparticles stabilized in SBA-15: Synthesis, characterization and application in microwave-assisted Suzuki-Miyaura coupling reaction. <i>Journal of Catalysis</i> , 2010 , 270, 268-274	7.3	100
501	Homochiral nickel coordination polymers based on salen(Ni) metalloligands: synthesis, structure, and catalytic alkene epoxidation. <i>Inorganic Chemistry</i> , 2011 , 50, 2191-8	5.1	99
500	A novel luminescent 3D polymer containing silver chains formed by ligand unsupported Ag-Ag interactions and organic spacers. <i>Dalton Transactions RSC</i> , 2002 , 291		95
499	Outstanding drug loading capacity by water stable microporous MOF: a potential drug carrier. <i>Chemical Communications</i> , 2016 , 52, 3669-72	5.8	94
498	Diterpene cyclases and the nature of the isoprene fold. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010 , 78, 2417-32	4.2	93
497	Highly selective sensing of Fe by an anionic metal-organic framework containing uncoordinated nitrogen and carboxylate oxygen sites. <i>Dalton Transactions</i> , 2018 , 47, 3452-3458	4.3	92
496	Microwave-assisted synthesis of a series of lanthanide metal-organic frameworks and gas sorption properties. <i>Inorganic Chemistry</i> , 2012 , 51, 1813-20	5.1	91
495	Fast, highly selective and sensitive anionic metal-organic framework with nitrogen-rich sites fluorescent chemosensor for nitro explosives detection. <i>Journal of Hazardous Materials</i> , 2018 , 344, 283-290	12.8	90
494	Porous Organic Molecular Frameworks with Extrinsic Porosity: A Platform for Carbon Storage and Separation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9474-80	16.4	89
493	A New Family of Cadmium(II) Coordination Polymers from Coligands: Effect of the Coexistent Groups (R = H, NO ₂ , OH) on Crystal Structures and Properties. <i>Crystal Growth and Design</i> , 2005 , 5, 1651-1656	3.5	89
492	Electrochemical preparation of metal-organic framework films for fast detection of nitro explosives. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19473-19478	13	88
491	Comparison of the effect of functional groups on gas-uptake capacities by fixing the volumes of cages A and B and modifying the inner wall of cage C in rht-type MOFs. <i>Inorganic Chemistry</i> , 2012 , 51, 10350-5	5.1	88
490	Porous anionic, cationic, and neutral metal-carboxylate frameworks constructed from flexible tetrapodal ligands: syntheses, structures, ion-exchanges, and magnetic properties. <i>Inorganic Chemistry</i> , 2011 , 50, 2264-71	5.1	87
489	Physical and electrochemical characterization of hydrous ruthenium oxide/ordered mesoporous carbon composites as supercapacitor. <i>Microporous and Mesoporous Materials</i> , 2008 , 111, 32-38	5.3	86
488	A three-dimensional manganese(II) complex exhibiting ferrimagnetic and metamagnetic behaviors. <i>Inorganic Chemistry</i> , 2003 , 42, 5486-8	5.1	86

487	Anion-Assisted Structural Variation of Cadmium Coordination Polymers: From 2D - β D Inclined Polycatenation to 2D - β D Polythreading. <i>Crystal Growth and Design</i> , 2009 , 9, 3003-3005	3.5	85
486	Syntheses, Structures, Near-Infrared, and Visible Luminescence of Lanthanide-Organic Frameworks with Flexible Macrocyclic Polyamine Ligands. <i>Crystal Growth and Design</i> , 2008 , 8, 1897-1901	3.5	85
485	Bimetallic alloy nanocrystals encapsulated in ZIF-8 for synergistic catalysis of ethylene oxidative degradation. <i>Chemical Communications</i> , 2014 , 50, 10115-7	5.8	84
484	Solid-state NMR, crystallographic, and computational investigation of bisphosphonates and farnesyl diphosphate synthase-bisphosphonate complexes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14485-97	16.4	84
483	Syntheses and structures of two novel copper complexes constructed from unusual planar tetracopper(II) SBUs. <i>Chemical Communications</i> , 2003 , 1528	5.8	84
482	Palladium Nanoparticles Supported on Mixed-Linker Metal-Organic Frameworks as Highly Active Catalysts for Heck Reactions. <i>ChemPlusChem</i> , 2012 , 77, 106-112	2.8	83
481	A Series of Lanthanide Metal-Organic Frameworks Based on Biphenyl-3,4,5-tricarboxylate: Syntheses, Structures, Luminescence and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3842-3849	2.3	83
480	Ultrafine Silver Nanoparticles Supported on a Conjugated Microporous Polymer as High-Performance Nanocatalysts for Nitrophenol Reduction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5231-5236	9.5	82
479	Syntheses and characterizations of a series of silver-carboxylate polymers. <i>Inorganica Chimica Acta</i> , 2004 , 357, 991-1001	2.7	82
478	Controlled Assembly Based on Multibridging Thiolate Ligands: New Polymeric Silver(I) Complexes with One-Dimensional Chain and Three-Dimensional Network Structures. <i>Inorganic Chemistry</i> , 1999 , 38, 600-602	5.1	82
477	Label-free high-throughput microRNA expression profiling from total RNA. <i>Nucleic Acids Research</i> , 2011 , 39, e154	20.1	81
476	Integration of Strong Electron Transporter Tetrathiafulvalene into Metalloporphyrin-Based Covalent Organic Framework for Highly Efficient Electroreduction of CO ₂ . <i>ACS Energy Letters</i> , 2020 , 5, 1005-1012	20.1	80
475	Construction of a polyhedral metal-organic framework via a flexible octacarboxylate ligand for gas adsorption and separation. <i>Inorganic Chemistry</i> , 2013 , 52, 3127-32	5.1	80
474	A bifunctional cationic porous organic polymer based on a Salen-(Al) metalloligand for the cycloaddition of carbon dioxide to produce cyclic carbonates. <i>Chemical Communications</i> , 2016 , 52, 13288-13291	5.8	79
473	Atomically dispersed Ni species on N-doped carbon nanotubes for electroreduction of CO ₂ with nearly 100% CO selectivity. <i>Applied Catalysis B: Environmental</i> , 2020 , 271, 118929	21.8	78
472	Porous anionic indium-organic framework with enhanced gas and vapor adsorption and separation ability. <i>ChemSusChem</i> , 2014 , 7, 2647-53	8.3	78
471	Boosting Oxidative Desulfurization of Model and Real Gasoline over Phosphotungstic Acid Encapsulated in Metal-Organic Frameworks: The Window Size Matters. <i>ChemCatChem</i> , 2017 , 9, 971-979	5.2	77
470	Zr-Based Metal-Organic Frameworks with Intrinsic Peroxidase-Like Activity for Ultradeep Oxidative Desulfurization: Mechanism of HO ₂ Decomposition. <i>Inorganic Chemistry</i> , 2019 , 58, 6983-6992	5.1	77

469	Hierarchically porous nitrogen-doped carbon nanotubes derived from core-shell ZnO@zeolitic imidazolate framework nanorods for highly efficient oxygen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12322-12329	13	75
468	Integration of metal-organic frameworks into an electrochemical dielectric thin film for electronic applications. <i>Nature Communications</i> , 2016 , 7, 11830	17.4	75
467	Three-dimensional lanthanide(III)-copper(II) compounds based on an unsymmetrical 2-pyridylphosphonate ligand: an experimental and theoretical study. <i>Chemistry - A European Journal</i> , 2007 , 13, 4759-69	4.8	75
466	A paramagnetic lamellar polymer with a high conductivity. <i>Chemical Communications</i> , 2001 , 1020-1023	3.8	75
465	Direct C-H Bond Arylation of Indoles with Aryl Boronic Acids Catalyzed by Palladium Nanoparticles Encapsulated in Mesoporous Metal-Organic Framework. <i>ChemCatChem</i> , 2013 , 5, 1877-1883	5.2	73
464	Tunable polymerization of silver complexes with organosulfur ligand: counterions effect, solvent- and temperature-dependence in the formation of silver(I)-thiolate(and/or thione) complexes. <i>Inorganica Chimica Acta</i> , 2002 , 331, 8-15	2.7	73
463	A novel Sm-Co polymeric complex formed via metal-mediated oxidation-hydrolysis of orotic acid in a hydrothermal reaction. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 815-818	3.1	73
462	Unraveling the Reactivity and Selectivity of Atomically Isolated Metal-Nitrogen Sites Anchored on Porphyrinic Triazine Frameworks for Electroreduction of CO ₂ . <i>CCS Chemistry</i> , 2019 , 1, 384-395	7.2	71
461	Hyperscrosslinked mesoporous poly(ionic liquid)s with high ionic density for efficient CO ₂ capture and conversion into cyclic carbonates. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6660-6666	13	70
460	Rhenium-modified porous covalent triazine framework for highly efficient photocatalytic carbon dioxide reduction in a solid-gas system. <i>Catalysis Science and Technology</i> , 2018 , 8, 2224-2230	5.5	69
459	Encapsulation of Phosphotungstic Acid into Metal-Organic Frameworks with Tunable Window Sizes: Screening of PTA@MOF Catalysts for Efficient Oxidative Desulfurization. <i>Inorganic Chemistry</i> , 2018 , 57, 13009-13019	5.1	67
458	New Metal-Organic Framework with Uninodal 4-Connected Topology Displaying Interpenetration, Self-Catenation, and Second-Order Nonlinear Optical Response. <i>Crystal Growth and Design</i> , 2010 , 10, 1489-1491	3.5	66
457	Interpenetrated metal-organic frameworks of self-catenated four-connected moieties. <i>Chemical Communications</i> , 2011 , 47, 5982-4	5.8	65
456	Inhibition of geranylgeranyl diphosphate synthase by bisphosphonates: a crystallographic and computational investigation. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 5594-607	8.3	65
455	Synthesis and characterization of Zn ₂ GeO ₄ /Mg-MOF-74 composites with enhanced photocatalytic activity for CO ₂ reduction. <i>Catalysis Science and Technology</i> , 2018 , 8, 1288-1295	5.5	64
454	A guest-dependent approach to retain permanent pores in flexible metal-organic frameworks by cation exchange. <i>Chemistry - A European Journal</i> , 2012 , 18, 7896-902	4.8	64
453	Facile synthesis of palladium nanoparticles with high chemical activity using cucurbit[6]uril as protecting agent. <i>Chemical Communications</i> , 2010 , 46, 5088-90	5.8	64
452	Indirect stimulation of human V α V β T cells through alterations in isoprenoid metabolism. <i>Journal of Immunology</i> , 2011 , 187, 5099-113	5.3	64

451	The complexes with end-to-end dicyanamide bridges: syntheses, characterization and crystal structures of [Cu(η ,5-dca) ₂ (phen)] _n and [Cd(η ,5-dca) ₂ (py) ₂] _n (phen=phenanthroline; py=pyridine; dca=dicyanamide, N(CN) ₂). <i>Inorganica Chimica Acta</i> , 2002 , 329, 59-65	2.7	64
450	Self-Assembly of Three CdII- and CuII-Containing Coordination Polymers from 4,4'-Dipyridyl Disulfide. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 3623-3632	2.3	64
449	Visible-light-driven photocatalytic H ₂ evolution over CdZnS nanocrystal solid solutions: interplay of twin structures, sulfur vacancies and sacrificial agents. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3882-3891	13.1	63
448	Structure Versatility of Coordination Polymers Constructed from a Semirigid Tetracarboxylate Ligand: Syntheses, Structures, and Photoluminescent Properties. <i>Crystal Growth and Design</i> , 2013 , 13, 255-263	3.5	63
447	Development of a polyoxometallate-based photocatalyst assembled with cucurbit[6]uril via hydrogen bonds for azo dyes degradation. <i>Journal of Hazardous Materials</i> , 2011 , 186, 948-51	12.8	63
446	Imidazolium-Based Cationic Covalent Triazine Frameworks for Highly Efficient Cycloaddition of Carbon Dioxide. <i>ChemCatChem</i> , 2018 , 10, 2036-2040	5.2	62
445	Construction of a trigonal bipyramidal cage-based metal-organic framework with hydrophilic pore surface via flexible tetrapodal ligands. <i>Chemical Communications</i> , 2010 , 46, 8439-41	5.8	61
444	Conformation control of a flexible 1,4-phenylenediacetate ligand in coordination complexes: a rigidity-modulated strategy. <i>CrystEngComm</i> , 2009 , 11, 583-588	3.3	61
443	A unique 2D-3D polycatenation cobalt(II)-based molecule magnet showing coexistence of paramagnetism and canted antiferromagnetism. <i>Chemical Communications</i> , 2011 , 47, 3766-8	5.8	60
442	Lipophilic pyridinium bisphosphonates: potent gamma delta T cell stimulators. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1136-8	16.4	60
441	Conductive Two-Dimensional Phthalocyanine-based Metal-Organic Framework Nanosheets for Efficient Electroreduction of CO. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17108-17114	16.4	60
440	Dual-Emissive Metal-Organic Framework as a Fluorescent "Switch" for Ratiometric Sensing of Hypochlorite and Ascorbic Acid. <i>Inorganic Chemistry</i> , 2019 , 58, 13360-13369	5.1	59
439	Synthesis of Chiral Coordination Polymers by Spontaneous Resolution. <i>Crystal Growth and Design</i> , 2006 , 6, 1458-1462	3.5	59
438	Preparation of Dual-Emitting Ln@UiO-66-Hybrid Films via Electrophoretic Deposition for Ratiometric Temperature Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6014-6023	9.5	58
437	An unusual 3D coordination polymer assembled through parallel interpenetrating and polycatenating of (6,3) nets. <i>CrystEngComm</i> , 2009 , 11, 680	3.3	58
436	Syntheses, structures, electrochemistry and magnetic properties of chain-like dicyanamide manganese(III) and iron(III) complexes with salen ligand. <i>New Journal of Chemistry</i> , 2002 , 26, 1397-1401	3.6	58
435	Encapsulating metal organic framework into hollow mesoporous carbon sphere as efficient oxygen bifunctional electrocatalyst. <i>National Science Review</i> , 2020 , 7, 609-619	10.8	58
434	Conductive Phthalocyanine-Based Covalent Organic Framework for Highly Efficient Electroreduction of Carbon Dioxide. <i>Small</i> , 2020 , 16, e2005254	11	58

- 433 From 2D-3D inclined polycatenation to 2D-3D parallel polycatenation: a central metal cationic induce strategy. *CrystEngComm*, **2011**, 13, 440-443 3.3 57
- 432 Three interpenetrated frameworks constructed by long flexible N,N'-bipyridyl and dicarboxylate ligands. *Polyhedron*, **2005**, 24, 2955-2962 2.7 55
- 431 Microwave-assisted large scale synthesis of lanthanide metal-organic frameworks (Ln-MOFs), having a preferred conformation and photoluminescence properties. *Dalton Transactions*, **2015**, 44, 11954-62 4.3 53
- 430 Mechanism of action and inhibition of dehydrosqualene synthase. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21337-42 11.5 53
- 429 Two New Zeolite-Like Supramolecular Copper Complexes. *European Journal of Inorganic Chemistry*, **2003**, 2003, 94-98 2.3 53
- 428 Bipyridyl-based diphosphine as an efficient ligand in the rhodium-catalyzed asymmetric conjugate addition of arylboronic acids to α -unsaturated ketones. *Tetrahedron Letters*, **2003**, 44, 6505-6508 2 53
- 427 Hydrothermal Syntheses, Crystal Structures, And Magnetic Properties of a Series of Complexes Constructed from Multinuclear Copper Clusters and Polyoxometalates. *Crystal Growth and Design*, **2009**, 9, 4735-4744 3.5 52
- 426 Syntheses and characterizations of two novel Ln(III)-Cu(II) coordination polymers constructed by Pyridine-2,4-dicarboxylate ligand. *Inorganic Chemistry Communication*, **2002**, 5, 366-368 3.1 52
- 425 Phosphonosulfonates are potent, selective inhibitors of dehydrosqualene synthase and staphyloxanthin biosynthesis in *Staphylococcus aureus*. *Journal of Medicinal Chemistry*, **2009**, 52, 976-88 8.3 51
- 424 Conformational Isomerism of 1,2-Bis(imidazol-1-yl)ethane Affected by the Orientation of Functional Carboxylate Groups in Cadmium and Cobalt Helical Coordination Polymers. *Crystal Growth and Design*, **2010**, 10, 3228-3236 3.5 50
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