

Rong Cao

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.

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	Graphene Quantum Dots Supported on Fe-based Metal-Organic Frameworks for Efficient Photocatalytic CO ₂ Reduction?. <i>Acta Chimica Sinica</i> , 2022 , 80, 22	3.3	1
557	Accumulation characteristics of polychlorinated dibenzo-p-dioxins and dibenzofurans and polychlorinated biphenyls in human breast milk from a seaside city of North China.. <i>Environmental Pollution</i> , 2022 , 297, 118794	9.3	0
556	Characteristics of PAHs, PCDD/Fs, PCBs and PCNs in atmospheric fine particulate matter in Dalian, China. <i>Chemosphere</i> , 2022 , 288, 132488	8.4	1
555	FT-ICR mass spectrometry for molecular characterization of water-insoluble organic compounds in winter atmospheric fine particulate matters.. <i>Journal of Environmental Sciences</i> , 2022 , 111, 51-60	6.4	1
554	Engineering Hierarchical Architecture of Metal-Organic Frameworks for Highly Efficient Overall CO Photoreduction.. <i>Small</i> , 2022 , e2200407	11	5
553	Residual levels and health risk assessment of rare earth elements in Chinese resident diet: A market-based investigation.. <i>Science of the Total Environment</i> , 2022 , 154119	10.2	0
552	Morphology and composition dependence of multicomponent Cu-based nanoreactor for tandem electrocatalysis CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2022 , 314, 121498	21.8	2
551	Near-infrared photothermal performance of a metal-organic framework-based composite. <i>Dalton Transactions</i> , 2021 , 50, 17499-17505	4.3	0
550	Harnessing Electrostatic Interactions for Enhanced Conductivity in Metal-Organic Frameworks. <i>Research</i> , 2021 , 2021, 9874273	7.8	1
549	Molecular chemodiversity of water-soluble organic matter in atmospheric particulate matter and their associations with atmospheric conditions. <i>Science of the Total Environment</i> , 2021 , 809, 151171	10.2	0
548	Reticular frameworks and their derived materials for CO ₂ conversion by thermocatalysis. <i>EnergyChem</i> , 2021 , 100064	36.9	9
547	Visible-light-mediated aerobic oxidation of toluene via V ₂ O ₅ @CN boosting benzylic C(sp ³)H bond activation. <i>Journal of Catalysis</i> , 2021 , 395, 227-235	7.3	7
546	Spatial Sites Separation Strategy to Fabricate Atomically Isolated Nickel Catalysts for Efficient CO ₂ Electroreduction 2021 , 3, 454-461		20
545	The Structures of Metal-Organic Frameworks 2021 , 283-309		
544	Catalysis in Metal-Organic Frameworks: Relationship Between Activities and Structures 2021 , 953-993		0
543	Structural Topologies and Interpenetration in the Coordination Polymers 2021 , 425-463		
542	The Structures of Metal-Organic Frameworks 2021 , 342-389		

541	The Structures of Metal-Organic Frameworks 2021 , 309-389		
540	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
539	Cucurbituril-verkapselnde metallorganische Gerüstverbindung über Mechanochemie: Adsorbentien mit verbesserter Leistung. <i>Angewandte Chemie</i> , 2021 , 133, 15493-15498	3.6	0
538	Cucurbituril-Encapsulating Metal-Organic Framework via Mechanochemistry: Adsorbents with Enhanced Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15365-15370	16.4	4
537	Conductive Two-Dimensional Phthalocyanine-based Metal-Organic Framework Nanosheets for Efficient Electroreduction of CO ₂ . <i>Angewandte Chemie</i> , 2021 , 133, 17245-17251	3.6	10
536	Accumulation characteristics and estimated dietary intakes of polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans and polychlorinated biphenyls in plant-origin foodstuffs from Chinese markets. <i>Science of the Total Environment</i> , 2021 , 775, 145830	10.2	7
535	Zirconium and Aluminum MOFs for Low-Pressure SO ₂ Adsorption and Potential Separation: Elucidating the Effect of Small Pores and NH ₂ Groups. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29137-29149	9.5	16
534	Conductive phthalocyanine-based metal-organic framework as a highly efficient electrocatalyst for carbon dioxide reduction reaction. <i>Science China Chemistry</i> , 2021 , 64, 1332-1339	7.9	19
533	Einlagerung und Abtrennung von SO ₂ -Spuren in Metall-organischen Gerüstverbindungen durch präsynthetische Anpassung der Porenumgebung mit Methylgruppen. <i>Angewandte Chemie</i> , 2021 , 133, 18145-18153	3.6	4
532	Self-Assembly of Imidazolium-Functionalized Zr-Based Metal-Organic Polyhedra for Catalytic Conversion of CO into Cyclic Carbonates. <i>Inorganic Chemistry</i> , 2021 , 60, 2112-2116	5.1	15
531	Construction of Donor-Acceptor Heterojunctions in Covalent Organic Framework for Enhanced CO Electroreduction. <i>Small</i> , 2021 , 17, e2004933	11	36
530	The effect of toxic components on metabolomic response of male SD rats exposed to fine particulate matter. <i>Environmental Pollution</i> , 2021 , 272, 115922	9.3	7
529	Effect of short-chain chlorinated paraffins on metabolic profiling of male SD rats. <i>Science of the Total Environment</i> , 2021 , 750, 141404	10.2	2
528	Template-free synthesis of non-noble metal single-atom electrocatalyst with N-doped holey carbon matrix for highly efficient oxygen reduction reaction in zinc-air batteries. <i>Applied Catalysis B: Environmental</i> , 2021 , 285, 119780	21.8	32
527	Inhibition Effect and Mechanism of Thiourea on Electrophilic Chlorination of Aromatics in Combustion Flue Gas. <i>Environmental Science & Technology</i> , 2021 , 55, 700-708	10.3	2
526	Cucurbit[6]uril@MIL-101-Cl: loading polar porous cages in mesoporous stable host for enhanced SO ₂ adsorption at low pressures. <i>Nanoscale</i> , 2021 , 13, 15952-15962	7.7	3
525	Engineering cation defect-mediated Z-scheme photocatalysts for a highly efficient and stable photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7759-7766	13	12
524	Enhanced selectivity and stability towards CO reduction of sub-5 nm Au NPs derived from supramolecular assembly. <i>Chemical Communications</i> , 2021 , 57, 2491-2494	5.8	4

523	Single-crystal-to-single-crystal transformation of tetrathiafulvalene-based hydrogen-bonded organic frameworks. <i>CrystEngComm</i> , 2021 , 23, 4743-4747	3.3	8
522	Promoted photocarrier transfer and increased active sites for optimal CO ₂ -to-CH ₄ photoconversion via the modification of atomically dispersed transition metal ions in CdZnS nanocrystals. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20350-20355	13	2
521	Comparative Evaluation of Different MOF and Non-MOF Porous Materials for SO ₂ Adsorption and Separation Showing the Importance of Small Pore Diameters for Low-Pressure Uptake. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000285	5.9	12
520	Significantly Enhanced Overall Water Splitting Performance by Partial Oxidation of Ir through Au Modification in Core-Shell Alloy Structure. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4639-4645	16.4	44
519	Capture and Separation of SO Traces in Metal-Organic Frameworks via Pre-Synthetic Pore Environment Tailoring by Methyl Groups. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17998-18005	16.4	25
518	Porous Metal-Organic Framework Liquids for Enhanced CO Adsorption and Catalytic Conversion. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20915-20920	16.4	27
517	Porous Metal-Organic Framework Liquids for Enhanced CO ₂ Adsorption and Catalytic Conversion. <i>Angewandte Chemie</i> , 2021 , 133, 21083-21088	3.6	11
516	Fast and efficient removal of mercury ions using zirconium-based metal-organic framework filter membranes. <i>Inorganic Chemistry Communication</i> , 2021 , 131, 108796	3.1	0
515	Multifunctional Gold Nanoparticles@Imidazolium-Based Cationic Covalent Triazine Frameworks for Efficient Tandem Reactions. <i>CCS Chemistry</i> , 2021 , 3, 2368-2380	7.2	21
514	Recent progress in the removal of mercury ions from water based MOFs materials. <i>Coordination Chemistry Reviews</i> , 2021 , 443, 214034	23.2	22
513	Highly Selective Tandem Electroreduction of CO to Ethylene over Atomically Isolated Nickel-Nitrogen Site/Copper Nanoparticle Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25485-25492	16.4	24
512	Effect of urea on chlorinated aromatics formation mediated by copper and iron species in combustion flue gas. <i>Chemosphere</i> , 2021 , 280, 130963	8.4	
511	Boosting photocatalytic hydrogen production coupled with benzyl alcohol oxidation over CdS/metal-organic framework composites. <i>Chemical Engineering Journal</i> , 2021 , 421, 129870	14.7	26
510	Suppressing the formation of chlorinated aromatics by inhibitor sodium thiocyanate in solid waste incineration process. <i>Science of the Total Environment</i> , 2021 , 798, 149154	10.2	1
509	Soluble imidazolium-functionalized coordination cages for efficient homogeneous catalysis of CO cycloaddition reactions. <i>Chemical Communications</i> , 2021 , 57, 2140-2143	5.8	6
508	Zirconium-Based Metal-Organic Framework Particle Films for Visible-Light-Driven Efficient Photoreduction of CO ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2319-2325	8.3	16
507	Multipod Pd-Cucurbit[6]uril as an Efficient Bifunctional Electrocatalyst for Ethanol Oxidation and Oxygen Reduction Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 9217-9225	8.3	17
506	Fabrication of Lanthanide-Functionalized Hydrogen-Bonded Organic Framework Films for Ratiometric Temperature Sensing by Electrophoretic Deposition. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29854-29860	9.5	4

505	Pt-Co truncated octahedral nanocrystals: a class of highly active and durable catalysts toward oxygen reduction. <i>Nanoscale</i> , 2020 , 12, 11718-11727	7.7	7
504	CdZnS nanorods with rich sulphur vacancies for highly efficient photocatalytic hydrogen production. <i>Chemical Communications</i> , 2020 , 56, 7765-7768	5.8	25
503	The Relevance of Size Matching in Self-assembly: Impact on Regio- and Chemoselective Cocrystallizations. <i>Chemistry - A European Journal</i> , 2020 , 26, 11701-11704	4.8	0
502	Imidazolium-Functionalized Cationic Covalent Triazine Frameworks Stabilized Copper Nanoparticles for Enhanced CO ₂ Electroreduction. <i>ChemCatChem</i> , 2020 , 12, 3530-3536	5.2	11
501	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
500	Visible-light-driven selective alcohol dehydrogenation and hydrogenolysis via the Mott Schottky effect. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6854-6862	13	12
499	Removal of anionic hexavalent chromium and methyl orange pollutants by using imidazolium-based mesoporous poly(ionic liquid)s as efficient adsorbents in column. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122496	12.8	22
498	Synergistic effect of mixed Cu and Fe oxides and chlorides on electrophilic chlorination of dibenzo-p-dioxin and dibenzofuran. <i>Science of the Total Environment</i> , 2020 , 721, 137563	10.2	6
497	Localized surface plasmon resonance enhanced visible-light-driven CO photoreduction in Cu nanoparticle loaded ZnInS solid solutions. <i>Nanoscale</i> , 2020 , 12, 15169-15174	7.7	18
496	Encapsulating polyaniline within porous MIL-101 for high-performance corrosion protection. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 842-852	9.3	14
495	A highly efficient diatomic nickel electrocatalyst for CO reduction. <i>Chemical Communications</i> , 2020 , 56, 8798-8801	5.8	15
494	Ultrafine Ru nanoclusters anchored on cucurbit[6]uril/rGO for efficient hydrogen evolution in a broad pH range. <i>Chemical Communications</i> , 2020 , 56, 9392-9395	5.8	5
493	Unraveling the relationship of the pore structures between the metal-organic frameworks and their derived carbon materials. <i>Inorganic Chemistry Communication</i> , 2020 , 114, 107825	3.1	4
492	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
491	Nitrogen and sulfur dual-doped hollow mesoporous carbon spheres as efficient metal-free catalyst for oxygen reduction reaction. <i>Inorganic Chemistry Communication</i> , 2020 , 114, 107848	3.1	10
490	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	63
489	A Comparison of Two Isoreticular Metal-Organic Frameworks with Cationic and Neutral Skeletons: Stability, Mechanism, and Catalytic Activity. <i>Angewandte Chemie</i> , 2020 , 132, 4415-4420	3.6	6
488	The sandwich-like structures of polydopamine and 8-hydroxyquinoline coated graphene oxide for excellent corrosion resistance of epoxy coatings. <i>Journal of Colloid and Interface Science</i> , 2020 , 565, 436-448	9.3	30

487	A Comparison of Two Isoreticular Metal-Organic Frameworks with Cationic and Neutral Skeletons: Stability, Mechanism, and Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4385-4390	16.4	25
486	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
485	Designing a Bifunctional Brønsted Acid-Base Heterogeneous Catalyst Through Precise Installation of Ligands on Metal-Organic Frameworks. <i>CCS Chemistry</i> , 2020 , 2, 616-622	7.2	7
484	Mass balance and elimination mechanism of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) during the kraft pulping process. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122819	12.8	3
483	Tuning the Structure and Hydrolysis Stability of Calcium Metal-Organic Frameworks through Integrating Carboxylic/Phosphinic/Phosphonic Groups in Building Blocks. <i>Crystal Growth and Design</i> , 2020 , 20, 8021-8027	3.5	2
482	An easy and low-cost method of embedding chiral molecules in metal-organic frameworks for enantioseparation. <i>Chemical Communications</i> , 2020 , 56, 7459-7462	5.8	9
481	Trace of molecular doping in metal-organic frameworks: drastic change in the electronic band structure with a preserved topology and porosity. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12370-12377	13	3
480	A chemically stable cucurbit[6]uril-based hydrogen-bonded organic framework for potential SO ₂ /CO ₂ separation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 19799-19804	13	10
479	Rational design of metallic anti-corrosion coatings based on zinc gluconate@ZIF-8. <i>Chemical Engineering Journal</i> , 2020 , 384, 123389	14.7	42
478	Mechanistic aspects of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) formation from chlorine bleaching of non-wood pulp. <i>Journal of Hazardous Materials</i> , 2020 , 386, 121652	12.8	4
477	Encapsulation of a Porous Organic Cage into the Pores of a Metal-Organic Framework for Enhanced CO Separation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6068-6073	16.4	25
476	Encapsulation of a Porous Organic Cage into the Pores of a Metal-Organic Framework for Enhanced CO ₂ Separation. <i>Angewandte Chemie</i> , 2020 , 132, 6124-6129	3.6	10
475	Visible-light-mediated high-efficiency catalytic oxidation of sulfides using wrinkled C ₃ N ₄ nanosheets. <i>Journal of Catalysis</i> , 2020 , 381, 579-589	7.3	21
474	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
473	Integration of metalloporphyrin into cationic covalent triazine frameworks for the synergistically enhanced chemical fixation of CO ₂ . <i>Catalysis Science and Technology</i> , 2020 , 10, 8026-8033	5.5	15
472	Highly Selective CO ₂ Electroreduction to CH ₄ by In Situ Generated Cu ₂ O Single-Type Sites on a Conductive MOF: Stabilizing Key Intermediates with Hydrogen Bonding. <i>Angewandte Chemie</i> , 2020 , 132, 23849-23856	3.6	34
471	Electrocatalytic Reduction Catalysts: Hollow Mesoporous Carbon Sphere Loaded Ni ₄ Single-Atom: Support Structure Study for CO ₂ Electrocatalytic Reduction Catalyst (Small 41/2020). <i>Small</i> , 2020 , 16, 2070225	11	
470	Conductive Phthalocyanine-Based Covalent Organic Framework for Highly Efficient Electroreduction of Carbon Dioxide. <i>Small</i> , 2020 , 16, e2005254	11	58

469	Aluminum Metal-Organic Framework-Silver Nanoparticle Composites for Catalytic Reduction of Nitrophenols. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11426-11433	5.6	8
468	An Electrochromic Hydrogen-Bonded Organic Framework Film. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22392-22396	16.4	29
467	An Electrochromic Hydrogen-Bonded Organic Framework Film. <i>Angewandte Chemie</i> , 2020 , 132, 22578-22582	13.5	7
466	Visible-light-driven photocatalytic hydrogen production coupled with selective oxidation of benzyl alcohol over CdS@MoS ₂ heterostructures. <i>Science China Materials</i> , 2020 , 63, 2239-2250	7.1	24
465	Visible-light-driven photocatalytic selective organic oxidation reactions. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20897-20924	13	28
464	Highly Selective CO Electroreduction to CH ₄ by In Situ Generated Cu ₂ 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
463	Hollow Mesoporous Carbon Sphere Loaded Ni-N Single-Atom: Support Structure Study for CO Electrocatalytic Reduction Catalyst. <i>Small</i> , 2020 , 16, e2003943	11	34
462	Levels and patterns of polychlorinated dibenzo-p-dioxins and dibenzofurans and polychlorinated biphenyls in foodstuffs of animal origin from Chinese markets and implications of dietary exposure. <i>Environmental Pollution</i> , 2020 , 273, 116344	9.3	7
461	Highly Active Photocatalyst of CuOx Modified TiO ₂ Arrays for Hydrogen Generation. <i>Crystal Growth and Design</i> , 2019 , 19, 5784-5790	3.5	5
460	One-Step Carbothermal Synthesis of Robust Photocatalysts in the Presence of Biomass Porous Carbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16835-16842	8.3	15
459	Decamethylcucurbit[5]uril based supramolecular assemblies as efficient electrocatalysts for the oxygen reduction reaction. <i>Chemical Communications</i> , 2019 , 55, 11687-11690	5.8	2
458	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
457	Boosting photocatalytic oxidative coupling of amines by a Ru-complex-sensitized metal-organic framework. <i>Journal of Catalysis</i> , 2019 , 378, 248-255	7.3	23
456	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
455	Controlled nitrite anion encapsulation and release in the molecular cavity of decamethylcucurbit[5]uril: solution and solid state studies. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 303-308	6.8	3
454	Solid-state synthesis of MoS ₂ nanorod from molybdenum-organic framework for efficient hydrogen evolution reaction. <i>Science China Materials</i> , 2019 , 62, 965-972	7.1	21
453	Unraveling the relationship between the morphologies of metal-organic frameworks and the properties of their derived carbon materials. <i>Dalton Transactions</i> , 2019 , 48, 7211-7217	4.3	15
452	Robust Microporous Porphyrin-Based Hydrogen-Bonded Organic Framework for Highly Selective Separation of C ₂ Hydrocarbons versus Methane. <i>Crystal Growth and Design</i> , 2019 , 19, 4157-4161	3.5	14

451	Controlled growth of ZnS/ZnO heterojunctions on porous biomass carbons via one-step carbothermal reduction enables visible-light-driven photocatalytic H ₂ production. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2035-2042	6.8	20
450	Poly(ionic liquid)s with high density of nucleophile /electrophile for CO ₂ fixation to cyclic carbonates at mild conditions. <i>Journal of CO₂ Utilization</i> , 2019 , 32, 281-289	7.6	33
449	Facile Synthesis of Oriented Feather-like TiO ₂ Bundle Catalysts for Efficient Photocatalytic Water Splitting. <i>Crystal Growth and Design</i> , 2019 , 19, 3584-3591	3.5	11
448	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
447	Integration of adsorption and photosensitivity capabilities into a cationic multivariate metal-organic framework for enhanced visible-light photoreduction reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 253, 323-330	21.8	45
446	A mesoporous cationic metal-organic framework with a high density of positive charge for enhanced removal of dichromate from water. <i>Dalton Transactions</i> , 2019 , 48, 6680-6684	4.3	18
445	Novel Hierarchical Meso-Microporous Hydrogen-Bonded Organic Framework for Selective Separation of Acetylene and Ethylene versus Methane. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17823-17827	9.5	20
444	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
443	Highly Active and Stable Water Splitting in Acidic Media Using a Bifunctional Iridium/Cucurbit[6]uril Catalyst. <i>ACS Energy Letters</i> , 2019 , 4, 1301-1307	20.1	34
442	Salen-Co(III) insertion in multivariate cationic metal-organic frameworks for the enhanced cycloaddition reaction of carbon dioxide. <i>Chemical Communications</i> , 2019 , 55, 4063-4066	5.8	36
441	Electrophilic Chlorination of Naphthalene in Combustion Flue Gas. <i>Environmental Science & Technology</i> , 2019 , 53, 5741-5749	10.3	15
440	Oxygen-vacancies-engaged efficient carrier utilization for the photocatalytic coupling reaction. <i>Journal of Catalysis</i> , 2019 , 373, 116-125	7.3	15
439	Highly Active Photocatalyst of CuO/TiO ₂ Octahedron for Hydrogen Generation. <i>ACS Omega</i> , 2019 , 4, 3392-3397	3.42	42
438	Creating Giant Secondary Building Layers via Alkali-Etching Exfoliation for Precise Synthesis of Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2019 , 31, 7584-7589	9.6	22
437	Replacing PVP by macrocycle cucurbit[6]uril to cap sub-5 nm Pd nanocubes as highly active and durable catalyst for ethanol electrooxidation. <i>Nano Research</i> , 2019 , 12, 2628-2633	10	9
436	Ultra-small Pd nanoparticles derived from a supramolecular assembly for enhanced electrochemical reduction of CO to CO ₂ . <i>Chemical Communications</i> , 2019 , 55, 9805-9808	5.8	10
435	Enhanced corrosion protective performance of graphene oxide-based composite films on AZ31 magnesium alloys in 3.5 wt% NaCl solution. <i>Applied Surface Science</i> , 2019 , 493, 1224-1235	6.7	17
434	Hypercrosslinked mesoporous poly(ionic liquid)s with high density of ion pairs: Efficient adsorbents for Cr(VI) removal via ion-exchange. <i>Chemical Engineering Journal</i> , 2019 , 378, 122107	14.7	45

433	N-Doped Carbon Aerogel Derived from a Metal-Organic Framework Foam as an Efficient Electrocatalyst for Oxygen Reduction. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 3642-3647	4.5	12
432	Molecular characterization of dissolved organic matters in winter atmospheric fine particulate matters (PM) from a coastal city of northeast China. <i>Science of the Total Environment</i> , 2019 , 689, 312-321 ^{10.2}	10.2	14
431	Integration of metabolomics and transcriptomics reveals short-chain chlorinated paraffin-induced hepatotoxicity in male Sprague-Dawley rat. <i>Environment International</i> , 2019 , 133, 105231	12.9	29
430	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
429	Migration-Prevention Strategy to Fabricate Single-Atom Fe Implanted N-Doped Porous Carbons for Efficient Oxygen Reduction. <i>Research</i> , 2019 , 2019, 1768595	7.8	22
428	N-Doped holey carbon materials derived from a metal-free macrocycle cucurbit[6]uril assembly as an efficient electrocatalyst for the oxygen reduction reaction. <i>Chemical Communications</i> , 2019 , 55, 13832-13835 ⁸	5.8	8
427	Porous nitrogen/halogen dual-doped nanocarbons derived from imidazolium functionalized cationic metal-organic frameworks for highly efficient oxygen reduction reaction. <i>Science China Materials</i> , 2019 , 62, 671-680	7.1	23
426	Two-Component Pharmaceutical Cocrystals Regulated by Supramolecular Synthons Comprising Primary N-H...O Interactions. <i>Crystal Growth and Design</i> , 2019 , 19, 3-16	3.5	20
425	Release and Transformation of BTBPE During the Thermal Treatment of Flame Retardant ABS Plastics. <i>Environmental Science & Technology</i> , 2019 , 53, 185-193	10.3	28
424	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
423	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
422	Polycatenated 2D Hydrogen-Bonded Binary Supramolecular Organic Frameworks (SOFs) with Enhanced Gas Adsorption and Selectivity. <i>Crystal Growth and Design</i> , 2018 , 18, 2555-2562	3.5	33
421	Imidazolium-Based Cationic Covalent Triazine Frameworks for Highly Efficient Cycloaddition of Carbon Dioxide. <i>ChemCatChem</i> , 2018 , 10, 2036-2040	5.2	62
420	C-QDs@UiO-66-(COOH) Composite Film via Electrophoretic Deposition for Temperature Sensing. <i>Inorganic Chemistry</i> , 2018 , 57, 2447-2454	5.1	48
419	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
418	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
417	Diurnal variations of atmospheric polycyclic aromatic hydrocarbons (PAHs) during three sequent winter haze episodes in Beijing, China. <i>Science of the Total Environment</i> , 2018 , 625, 1486-1493	10.2	31
416	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

4 ¹⁵	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
4 ¹⁴	An Ultra-Robust and Crystalline Redeemable Hydrogen-Bonded Organic Framework for Synergistic Chemo-Photodynamic Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 7817-7822	3.6	41
4 ¹³	Lotus-Leaf-Derived Activated-Carbon-Supported Nano-CdS as Energy-Efficient Photocatalysts under Visible Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7871-7879	8.3	49
4 ¹²	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
4 ¹¹	Rational design of phosphonocarboxylate metal-organic frameworks for light hydrocarbon separations. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1436-1440	7.8	10
4 ¹⁰	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
4 ⁰⁹	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
4 ⁰⁸	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
4 ⁰⁷	Defective Pt nanoparticles encapsulated in mesoporous metal-organic frameworks for enhanced catalysis. <i>Chemical Communications</i> , 2018 , 54, 8822-8825	5.8	16
4 ⁰⁶	Hazy Weather-Induced Variation in Environmental Behavior of PCDD/Fs and PBDEs in Winter Atmosphere of A North China Megacity. <i>Environmental Science & Technology</i> , 2018 , 52, 8173-8182	10.3	26
4 ⁰⁵	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
4 ⁰⁴	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
4 ⁰³	Excellent Efficacy of MOF Films for Bronze Artwork Conservation: The Key Role of HKUST-1 Film Nanocontainers in Selectively Positioning and Protecting Inhibitors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37529-37534	9.5	21
4 ⁰²	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
4 ⁰¹	CdS/NH ₂ -UiO-66 hybrid membrane reactors for the efficient photocatalytic conversion of CO ₂ . <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20152-20160	13	44
4 ⁰⁰	Dual-Emitting UiO-66(Zr&Eu) Metal-Organic Framework Films for Ratiometric Temperature Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20854-20861	9.5	46
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395	Facile ultrafine copper seed-mediated approach for fabricating quasi-two-dimensional palladium-copper bimetallic trigonal hierarchical nanoframes. <i>Nano Research</i> , 2017 , 10, 2810-2822	10	5
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392	Efficient photocatalytic hydrogen evolution under visible light by ternary composite CdS@NU-1000/RGO. <i>Catalysis Science and Technology</i> , 2017 , 7, 5113-5119	5.5	42
391	Platinum Nanoparticles Loaded on Metal-Organic Complexes as New and Recyclable Catalysts for the Hydrogenation of Nitroarenes. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 10631-10638	3.9	5
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