

# Zhongmin Su

## 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.

1,206  
papers

42,581  
citations

94  
h-index

152  
g-index

1,275  
ext. papers

46,965  
ext. citations

5.2  
avg, IF

7.73  
L-index

#	Paper	IF	Citations
1206	Metal-free C <sub>2</sub> N doped with sp <sup>2</sup> hybridized B atom as high-efficiency photocatalyst for nitrobenzene reduction reaction: A density functional theory study. <i>Molecular Catalysis</i> , <b>2022</b> , 518, 112080	3.3	0
1205	Non-metal boron atoms on a CuB monolayer as efficient catalytic sites for urea production.. <i>Chemical Science</i> , <b>2022</b> , 13, 1342-1354	9.4	2
1204	Surface modification strategy based on molecular engineering of an organic cation toward spectrally stable deep-blue emission perovskites. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 2067-2072	7.1	
1203	Establishing the Principal Descriptor for Electrochemical Urea Production via the Dispersed Dual-Metals Anchored on the N-Decorated Graphene.. <i>Advanced Science</i> , <b>2022</b> , e2105697	13.6	2
1202	Green Catalytic Method for Hydrothiolation of Allylamines: An External Electric Field.. <i>ACS Omega</i> , <b>2022</b> , 7, 5782-5790	3.9	
1201	Polymers and polyoxometalate induced Co/WC@NC for electrocatalytic hydrogen production. <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 308, 122879	3.3	2
1200	Computational evaluation of FeMo heteroatom coeffect induced high electroreduction activity of N <sub>2</sub> -to-NH <sub>3</sub> . <i>Applied Surface Science</i> , <b>2022</b> , 579, 152214	6.7	0
1199	Two-dimensional graphdiyne analogue containing Mo-coordinated porphyrin covalent organic framework as a high-performance electrocatalyst for nitrogen fixation. <i>Applied Surface Science</i> , <b>2022</b> , 580, 152359	6.7	1
1198	CO <sub>2</sub> electroreduction performance of transition metals supported on g-C(CN) <sub>3</sub> monolayer with specific TMN <sub>3</sub> active sites. <i>Applied Surface Science</i> , <b>2022</b> , 573, 151544	6.7	1
1197	Theoretical design and characterization of new terpolymer donors based on PTB7Ir for high-efficiency triplet-material-based organic photovoltaics.. <i>RSC Advances</i> , <b>2022</b> , 12, 8578-8587	3.7	0
1196	Activating room-temperature phosphorescence of 1,8-naphthalimide by doping into aromatic dicarboxylic acids.. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	3
1195	Theoretical search of a simple characteristic for long-lived organic room-temperature phosphorescence materials with H aggregation. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5425-5432	7.1	0
1194	N-Donor flexible ligands for constructing polyoxometalate-based metal-organic frameworks as multifunctional electrocatalysts. <i>CrystEngComm</i> , <b>2022</b> , 24, 2705-2708	3.3	1
1193	Rational Design of Ir(III) Phosphors to Strategically Manage Charge Recombination for High-Performance White Organic Light-Emitting Diodes.. <i>Inorganic Chemistry</i> , <b>2022</b> ,	5.1	2
1192	Lanthanide metal-organic frameworks based on planar π-conjugated ligands for white light emission, temperature and chemical sensing. <i>Dyes and Pigments</i> , <b>2022</b> , 202, 110256	4.6	0
1191	Stable zinc metal-organic framework as efficient bifunctional fluorescent probe for selective detection of nitrobenzene and Fe(III). <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 310, 123093	3.3	0
1190	Improved ablation resistance and thermal insulation performances of polyimide composites by introducing albite/glass powder composition. <i>Polymers and Polymer Composites</i> , <b>2022</b> , 30, 096739112210878	0.8	0

1189	Three Cd-MOFs with water stability act as novel fluorescent probes for detecting nitrofurantoin and Fe <sup>3+</sup> . <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 123170	3.3	0
1188	Efficient Cobalt-based Metal-Organic Framework Derived Magnetic Co@C-600 Nanoreactor for Peroxymonosulfate Activation and Oxytetracycline Degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 129234	5.1	2
1187	Post-decorated synthesis of metal-organic frameworks derived Ni/Ni <sub>3</sub> S <sub>2</sub> @CN electrocatalyst for efficient hydrogen evolution. <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 123287	3.3	
1186	Ammonium polyphosphate induced bimetallic phosphides nanoparticles coated with porous N-doped carbon for efficiently electrochemical hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133696	14.7	1
1185	Theoretical mechanistic study of 4CzIPN/Ni-metallaphotoredox catalyzed enantioselective desymmetrization of cyclic -anhydrides. <i>Dalton Transactions</i> , <b>2021</b> , 50, 17675-17687	4.3	0
1184	The interesting luminescence behavior and rare nonlinear optical properties of the {AgMo} nanocluster.. <i>RSC Advances</i> , <b>2021</b> , 11, 38814-38819	3.7	
1183	Self-assembly of bimetallic polyoxometalates and dicyandiamide to form Co/WC@NC for efficient electrochemical hydrogen generation. <i>New Journal of Chemistry</i> , <b>2021</b> , 46, 178-184	3.6	3
1182	A metal-free covalent organic framework as a photocatalyst for CO <sub>2</sub> reduction at low CO <sub>2</sub> concentration in a gas/solid system. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 24895-24902	13	2
1181	Metal-Free Z-Scheme aza-CMP/C <sub>2</sub> N Heterostructure to Facilitate Photocatalytic CO <sub>2</sub> Reduction: A Computational Study. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 23133-23141	3.8	0
1180	Hexanuclear nickel-based [P <sub>4</sub> Mo <sub>11</sub> O <sub>50</sub> ] with photocatalytic reduction of CO <sub>2</sub> activity. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 109009	3.1	
1179	Study on the photoluminescence properties and magnetization performance of Lu <sup>3+</sup> , Tb <sup>3+</sup> : CeF <sub>3</sub> nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 28098	2.1	0
1178	Synthesis, Crystal Structure, and Luminescent Properties of a New Holmium(III) Coordination Polymer Involving 2,5-Dihydroxy-1,4-terephthalic Acid Dianion as Ligand. <i>Crystals</i> , <b>2021</b> , 11, 1294	2.3	0
1177	A thiol-functionalized zirconium metal-organic cage for the effective removal of Hg from aqueous solution. <i>Nanotechnology</i> , <b>2021</b> , 32, 075602	3.4	2
1176	Maximized Schottky Effect: The Ultrafine V O /Ni Heterojunctions Repeatedly Arranging on Monolayer Nanosheets for Efficient and Stable Water-to-Hydrogen Conversion. <i>Small</i> , <b>2021</b> , 17, e2005769	14	14
1175	Expediting the Conversion of LiS to LiS Enables High-Performance Li-S Batteries. <i>ACS Nano</i> , <b>2021</b> , 15, 7318-7327	16.7	35
1174	Understanding Mechanochromic Luminescence on Account of Molecular Level Based on Phosphorescent Iridium(III) Complex Isomers. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3741-3748	5.1	4
1173	The second-order nonlinear optical property of hydrazones-based photochromic complexes: A DFT study. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 327, 114882	6	4
1172	The Roles of Polyoxometalates in Photocatalytic Reduction of CO <sub>2</sub> . <i>Materials Today Energy</i> , <b>2021</b> , 21, 100760	7	4

1171	Tunable Dual-Color Emission Perovskites via Post-Synthetic Modification Strategy for Near-Unity Photoluminescence Quantum Yield. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 21645-21652	9.5	1
1170	Second-order nonlinear optical property of carbon-Boron-Nitride heterostructure: Vertical carbon-segment into the BN nanosheet. <i>Computational and Theoretical Chemistry</i> , <b>2021</b> , 1198, 113177	2	3
1169	Enhanced Fluorescence of La <sup>3+</sup> , Gd <sup>3+</sup> doped EuW10 for Temperature sensing performance. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2021</b> , 647, 1221-1226	1.3	1
1168	Transition-Metal-Modified Vanadoborate Clusters as Stable and Efficient Photocatalysts for CO Reduction. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 7364-7371	5.1	3
1167	Theoretical Simulations of Thermochromic and Aggregation-Induced Emission Behaviors of a Series of Red-Light Anthracene-o-carborane Derivatives. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 9571-9579	4.8	0
1166	Close-packed storage of potassium metallic clusters achieved through nanostructure engineering of ultrafine hollow nanoparticles-based carbon nanoclusters. <i>EcoMat</i> , <b>2021</b> , 3, e12105	9.4	1
1165	A typical 2D covalent organic polymer as multifunctional sensor and assemble a WLED. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 297, 122101	3.3	0
1164	Interior surface (confinement effect) and exterior (odd-even effect) of Fe-BNNTs (n, 0) for CO oxidation: A computational view. <i>Applied Surface Science</i> , <b>2021</b> , 549, 149314	6.7	
1163	Photocatalytic C(sp <sup>3</sup> )/N Cross-Couplings by NaIPPh <sub>3</sub> /CuBr Cooperative Catalysis: Computational Design and Experimental Verification. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6633-6642	13.1	4
1162	Robust Electrodes for Flexible Energy Storage Devices Based on Bimetallic Encapsulated Core-Multishell Structures. <i>Advanced Science</i> , <b>2021</b> , 8, e2100911	13.6	5
1161	Rh@C <sub>8</sub> N <sub>8</sub> monolayer as a promising single-atom-catalyst for overall water splitting. <i>Applied Surface Science</i> , <b>2021</b> , 549, 149320	6.7	9
1160	Single Metal-Organic Cage Decorated with an Ir(III) Complex for CO <sub>2</sub> Photoreduction. <i>ACS Catalysis</i> , <b>2021</b> , 11, 7241-7248	13.1	10
1159	Cu/Cu S-Embedded N,S-Doped Porous Carbon Derived in Situ from a MOF Designed for Efficient Catalysis. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 11468-11476	4.8	2
1158	Highly Fluorescent Cadmium Based Metal-Organic Frameworks for Rapid Detection of Antibiotic Residues, Fe and CrO Ions. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 9148-9156	5.1	11
1157	Synthesis, structure and properties of a new Sm(III) rare-earth metal coordination complex with 2,5-dihydroxy-terephthalic acid ligand. <i>Journal of Coordination Chemistry</i> , <b>2021</b> , 74, 1907-1918	1.6	
1156	Co/WC@NC electrocatalysts derived from polyoxometalates (POM) for efficient hydrogen evolution. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	3
1155	Temperature sensitive properties and preparation of europium complexes with double ligands. <i>Luminescence</i> , <b>2021</b> , 36, 1476-1482	2.5	1
1154	Co <sub>2</sub> P@C derived from metal-organic coordinate interactions using polyaniline as soft template for electrocatalytic hydrogen production. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 299, 122184	3.3	2

1153	PL sensor for sensitive and selective detection of 2,4,6-trinitrophenol based on carbazole and tetraphenylsilane polymer. <i>Dyes and Pigments</i> , <b>2021</b> , 191, 109379	4.6	4
1152	Near-infrared luminescence investigation of Cr <sup>4+</sup> ions doped Li <sub>2</sub> TiGeO <sub>5</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 18544-18550	2.1	1
1151	Luminescent Cd(II) metal-organic frameworks with anthracene nitrogen-containing organic ligands as novel multifunctional chemosensors for the detection of picric acid, pesticides, and ferric ions. <i>Dyes and Pigments</i> , <b>2021</b> , 185, 108834	4.6	23
1150	Achieving highly electrochemically active maricite NaFePO <sub>4</sub> with ultrafine NaFePO <sub>4</sub> @C subunits for high rate and low temperature sodium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126689	14.7	4
1149	Recent advances in oligomers/polymers with unconventional chromophores. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 60-75	7.8	14
1148	The nonlinear optics property of heterodinuclear (Li and Na) sexipyridine helix: A density functional theory study. <i>International Journal of Quantum Chemistry</i> , <b>2021</b> , 121, e26478	2.1	0
1147	HKUST-1 modified ultrastability cellulose/chitosan composite aerogel for highly efficient removal of methylene blue. <i>Carbohydrate Polymers</i> , <b>2021</b> , 255, 117402	10.3	30
1146	Synthesis, characterization of mechanochromic luminescent-active mono-/dinuclear iridium(III) complexes with near-infrared emission. <i>Journal of Organometallic Chemistry</i> , <b>2021</b> , 931, 121628	2.3	4
1145	Theoretical investigation of the influence of different electric field directions and strengths on a POM-based dye for dye-sensitized solar cells. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 929-936	7.8	1
1144	Synthesis of novel tetrazol-pyridine based cationic Ir(III) complexes with efficient AIE characteristic and significant mechanochromic luminescence behavior. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108817	4.6	5
1143	Near-infrared (NIR-II) luminescence for the detection of cyclotetramethylene tetranitramine based on stable Nd-MOF. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 294, 121789	3.3	3
1142	An EPR-independent therapeutic strategy: Cancer cell-mediated dual-drug delivery depot for diagnostics and prevention of hepatocellular carcinoma metastasis. <i>Biomaterials</i> , <b>2021</b> , 268, 120541	15.6	4
1141	A dual-emitting mixed-lanthanide MOF with high water-stability for ratiometric fluorescence sensing of Fe <sup>3+</sup> and ascorbic acid. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 562-568	7.1	29
1140	Precise Molecular-Level Modification of Nafion with Bismuth Oxide Clusters for High-performance Proton-Exchange Membranes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6076-6085	16.4	25
1139	Superiority of Iridium Photocatalyst and Role of Quinuclidine in Selective $\beta$ -C(sp)-H Alkylation: Theoretical Insights. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 484-492	4.2	2
1138	Precise Molecular-Level Modification of Nafion with Bismuth Oxide Clusters for High-performance Proton-Exchange Membranes. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 6141-6150	3.6	5
1137	An octahedral polyoxomolybdate-organic molecular cage. <i>Chemical Communications</i> , <b>2021</b> , 57, 1042-1045	5.8	1
1136	Elongated heterometal double-sites promote nitrogen reduction on two-dimensional MM <sub>2</sub> B <sub>7</sub> monolayers. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10855-10868	13	5

1135	Regioisomeric BODIPY derivatives: second-order nonlinear optical properties under an external electric field. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 4335-4339	3.6	0
1134	A fluorescent porous covalent-organic polymer (COP-3) for highly selective and sensitive detection of Fe <sup>3+</sup> in aqueous solution. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 2370-2373	3.6	0
1133	A luminescent metal-organic framework with mixed-linker strategy for white-light-emitting by iridium-complex encapsulation. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 123, 108359	3.1	5
1132	A luminescent metal-organic framework with tetragonal nanochannels as an efficient chemosensor for nitroaromatic explosives detection. <i>CrystEngComm</i> , <b>2021</b> , 23, 3901-3906	3.3	6
1131	Rational design of iridium-porphyrin conjugates for novel synergistic photodynamic and photothermal therapy anticancer agents.. <i>Chemical Science</i> , <b>2021</b> , 12, 5918-5925	9.4	12
1130	Bimetallic Phosphides as High-Efficient Electrocatalysts for Hydrogen Generation. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 1624-1630	5.1	12
1129	Metal-organic framework (MOF) composite materials for photocatalytic CO reduction under visible light. <i>Dalton Transactions</i> , <b>2021</b> , 50, 3186-3192	4.3	12
1128	Mechanistic insight into photocatalytic CO <sub>2</sub> reduction by a Z-scheme g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> heterostructure. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 11474-11480	3.6	3
1127	A tetraphenylethylene-based covalent organic framework for waste gas adsorption and highly selective detection of Fe <sup>3+</sup> . <i>CrystEngComm</i> , <b>2021</b> , 23, 5569-5574	3.3	6
1126	Tuning the NLO response of bis-cyclometalated iridium(III) complexes by modifying ligands: experimental and structural DFT analysis. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 5491-5496	3.6	0
1125	PMO12@ZIF-8/ZnO-derived hierarchical porous molybdenum carbide as efficient electrocatalysts for hydrogen evolution. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 9456-9461	3.6	3
1124	2D luminescent metal-organic framework: efficient and highly selective detection of 2,4,6-trinitrophenol at the ppb level. <i>CrystEngComm</i> , <b>2021</b> , 23, 929-934	3.3	8
1123	Integration of zirconium-based metal-organic framework with CdS for enhanced photocatalytic conversion of CO to CO. <i>Nanoscale</i> , <b>2021</b> , 13, 16977-16985	7.7	2
1122	Efficient catalytic reduction of 4-nitrophenol by Cu <sub>1.96</sub> S/NSC hybrid material derived from metal-organic framework. <i>E3S Web of Conferences</i> , <b>2021</b> , 252, 02065	0.5	1
1121	Assembly of tetra-nuclear Yb-containing selenotungstate clusters: synthesis, structures, and magnetic properties. <i>Dalton Transactions</i> , <b>2021</b> , 50, 11535-11541	4.3	1
1120	Carbon nitride derivatives as photocatalysts for the CO reduction reaction: computational study. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 3401-3406	3.6	1
1119	Bimetallic Metal-Organic Framework-Derived Graphitic Carbon-Coated Small Co/VN Nanoparticles as Advanced Trifunctional Electrocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 2462-2471	9.5	6
1118	Periodic B- and N-doped phenalenyl aggregates: unexpected nonlinear optical properties by tuning pancake bonding. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 23998-24003	3.6	1

1117	High performance doping-free WOLEDs based on rationally designed asymmetric orange-red Ir(III) emitter with balanced charge mobility. <i>Organic Electronics</i> , <b>2021</b> , 89, 106022	3.5	1
1116	Synthesis, crystal structure and iodine capture of Zr-based metal-organic polyhedron. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 516, 120174	2.7	5
1115	Er, Yb:CeF <sub>3</sub> red emission nanoparticles with controllable size and enhanced luminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 8213-8225	2.1	2
1114	Doping alkali metal ions and introducing electron donor groups to fulleropyrrolidine derivatives: Large second-order nonlinear optical responses. <i>Computational and Theoretical Chemistry</i> , <b>2021</b> , 1201, 113254	2	1
1113	Two functional hybrids based on polyoxometalate coordination polymers: Synthesis, electrochemical and photocatalytic properties. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 130, 108673	3.1	0
1112	Activation of Peroxymonosulfate by Co-Metal-Organic Frameworks as Catalysts for Degradation of Organic Pollutants. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 13223-13232	3.9	1
1111	Fine-tuning emission color of aggregation-induced emission-active Ir(III) phosphors through simple ligand modification. <i>Dyes and Pigments</i> , <b>2021</b> , 192, 109439	4.6	4
1110	Cubic Ba <sub>2</sub> LaF <sub>7</sub> :Yb <sup>3+</sup> /Ln (Ln = Er <sup>3+</sup> , Ho <sup>3+</sup> ) up-conversion submicron particles controllable synthesis and luminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 24856	2.1	0
1109	Switching of second-order nonlinear response effected by different acceptors: The impacts of environment and frequency dispersion. <i>Dyes and Pigments</i> , <b>2021</b> , 193, 109502	4.6	3
1108	A stable Cd metal-organic framework as efficient fluorescent probe for sensing Fe <sup>3+</sup> in water. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 528, 120635	2.7	2
1107	Metallic subnanometer porous silicon: A theoretical prediction. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	6
1106	Machine Learning Corrections for DFT Noncovalent Interactions. <i>Springer Series in Materials Science</i> , <b>2021</b> , 183-212	0.9	
1105	Self-Assembled Polyoxometalate-Based Metal-Organic Polyhedra as an Effective Heterogeneous Catalyst for Oxidation of Sulfide. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 1028-1034	3.5	3
1104	Synthesis of ultrafine Co/CoO nanoparticle-embedded N-doped carbon framework magnetic material and application for 4-nitrophenol catalytic reduction. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 13751-13754	3.6	2
1103	Effective CO Migration among Multiadsorbed Sites Achieves the Low-Barrier and High-Selective Conversion to C <sub>2</sub> Products on the NiB Monolayer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3845-3855	9.5	4
1102	A new covalent organic polymer used to highly selective detection of Fe <sup>3+</sup> ions. <i>E3S Web of Conferences</i> , <b>2020</b> , 213, 01008	0.5	
1101	A simple synthesis of highly ordered microporous carbon nanospheres for high performance potassium-ion batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 479, 229113	8.9	3
1100	Can we utilize the higher Frenkel exciton state in biazulene diimides-based non-fullerene acceptors to promote charge separation at the donor/acceptor interface?. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9767-9774	3.6	7

1099	Structural, Optical and Mechanical Properties and Cracking Factors of Large-Sized KBr:Ce <sup>3+</sup> Single Crystal. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 4785-4793	1.9	8
1098	Rational design of well-dispersed ultrafine CoS <sub>2</sub> nanocrystals in micro-mesoporous carbon spheres with a synergistic effect for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10885-10890	13	24
1097	A bimetallic-MOF catalyst for efficient CO <sub>2</sub> photoreduction from simulated flue gas to value-added formate. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11712-11718	13	25
1096	The Structure and Liquid Flow Effect of Melt during NaCl Crystal Growth. <i>Crystal Research and Technology</i> , <b>2020</b> , 55, 1900229	1.3	5
1095	Synthesis, characterization, photo-and-electrochemical properties of cationic iridium(III) complexes by using 1,3,4-oxadiazole cyclometallating ligand. <i>Inorganic Chemistry Communication</i> , <b>2020</b> , 118, 107980 <sup>3,1</sup>	3.1	3
1094	Configuration effect in polyoxometalate-based dyes on the performance of DSSCs: an insight from a theoretical perspective. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 16032-16039	3.6	2
1093	A novel 3D cobalt(II) metal-organic framework to activate peroxymonosulfate for degradation of organic dyes in water. <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 289, 121443	3.3	12
1092	Polyaniline as interface layers promoting the in-situ growth of zeolite imidazole skeleton on regenerated cellulose aerogel for efficient removal of tetracycline. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 579, 119-127	9.3	32
1091	Heteroatom-doped C <sub>3</sub> N as a promising metal-free catalyst for a high-efficiency carbon dioxide reduction reaction. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 11824-11828	3.6	5
1090	Hollow Porous MnFe O Sphere Grown on Elm-Money-Derived Biochar towards Energy-Saving Full Water Electrolysis. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 14397-14404	4.8	2
1089	Hydrogen Migration-Triggered Diradicaloid Singlet-Fission Switch. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 11791-11803	16.4	2
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1087	A ruthenium/polyoxometalate for efficient CO photoreduction under visible light in diluted CO. <i>Nanotechnology</i> , <b>2020</b> , 31, 255402	3.4	8
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1082	Synthesis and proton-conducting performance of crystalline hydrogen-bonded organic networks. <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 290, 121550	3.3	1



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1069	Bright red aggregation-induced emission nanoparticles for multifunctional applications in cancer therapy. <i>Chemical Science</i> , <b>2020</b> , 11, 2369-2374	9.4	30
1068	Tuning Second-Order Nonlinear Optical Properties of Cross-Linked Carbon Nanotube via External Electric Field. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 3778-3783	3.8	6
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1066	Rational Design of Efficient Organometallic Ir(III) Complexes for High-Performance, Flexible, Monochromatic, and White Light-Emitting Electrochemical Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 4649-4658	9.5	12
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1063	Improved Photoreduction of CO with Water by Tuning the Valence Band of Covalent Organic Frameworks. <i>ChemSusChem</i> , <b>2020</b> , 13, 2973-2980	8.3	36
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1057	Manipulating charge carrier transporting of disubstituted phenylbenzimidazole-based host materials for efficient full-color PhOLEDs. <i>Organic Electronics</i> , <b>2020</b> , 77, 105513	3.5	3
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1054	All-Metallic Zn=Zn Double-Bonded Octahedral Zn M (M=Li, Na) Clusters with Negative Oxidation State of Zinc. <i>ChemPhysChem</i> , <b>2020</b> , 21, 459-463	3.2	2
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1052	Green synthesis of carbon dots by celery leaves for use as fluorescent paper sensors for the detection of nitrophenols. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 1500-1507	3.6	18
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1044	A two-dimensional conductive Mo-based covalent organic framework as an efficient electrocatalyst for nitrogen fixation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23599-23606	13	20
1043	A theoretical mechanistic study of Ir/Cu-metallaphotoredox catalyzed asymmetric radical decarboxylative cyanation. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15276-15286	4.3	3
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1039	Supramolecular oligourethane gel as a highly selective fluorescent $\text{Cu}^{2+}$ sensor for ions. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11540-11545	7.1	15
1038	Octamolybdate-based hybrid constructed by flexible bis-triazole ligands: synthesis, photocatalytic and electrochemical properties. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13524-13528	3.6	4
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1005	A remarkable phosphorescent sensor for acid-base vapours based on an AIPE-active Ir(iii) complex. <i>Dalton Transactions</i> , <b>2019</b> , 48, 1955-1959	4.3	7
1004	Ultrafast and Noninvasive Long-Term Bioimaging with Highly Stable Red Aggregation-Induced Emission Nanoparticles. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3467-3474	7.8	38
1003	Polyoxovanadate-Based Metal-Organic Octahedron Based on 1,4-Naphthalenedicarboxylic Acid. <i>Israel Journal of Chemistry</i> , <b>2019</b> , 59, 306-310	3.4	3
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999	Hetero-metallic active sites coupled with strongly reductive polyoxometalate for selective photocatalytic CO-to-CH conversion in water. <i>Chemical Science</i> , <b>2019</b> , 10, 185-190	9.4	59
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995	Syntheses and magnetic properties of high-dimensional cucurbit[6]uril-based metal-organic rotaxane frameworks. <i>Dalton Transactions</i> , <b>2019</b> , 48, 9939-9943	4.3	5
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982	Utilizing d $\pi$ $\pi$ Bonds for Ultralong Organic Phosphorescence. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6717-6721	3.6	28
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969	Supramolecular hydrogen-bonded organic networks through acid-base pairs as efficient proton-conducting electrolytes. <i>CrystEngComm</i> , <b>2019</b> , 21, 4996-5001	3.3	6
968	Metal-oxygen clusters as peroxidase mimics for their multifarious applications in colorimetric sensors. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 13430-13436	3.6	4
967	Metal ions doped into merocyanine form of coumarin derivatives: nonlinear optical molecular switches. <i>Journal of Molecular Modeling</i> , <b>2019</b> , 25, 212	2	3
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963	Polyoxometalates-Based Metal-Organic Frameworks Made by Electrodeposition and Carbonization Methods as Cathodes and Anodes for Asymmetric Supercapacitors. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 16617	4.8	14
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961	A 3D pillared-layer metal-organic framework with fluorescence property for detection of nitroaromatic explosives. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 963-969	3.6	16
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958	Encapsulating Red Phosphorus in Ultralarge Pore Volume Hierarchical Porous Carbon Nanospheres for Lithium/Sodium-Ion Half/Full Batteries. <i>ACS Nano</i> , <b>2019</b> , 13, 13513-13523	16.7	61
957	Theoretical Insight into the Performance of Mn-Monosubstituted Heteropolytungstates as Water Oxidation Catalysts. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 15751-15757	5.1	7
956	A stable mixed lanthanide metal-organic framework for highly sensitive thermometry. <i>Dalton Transactions</i> , <b>2019</b> , 48, 3723-3729	4.3	40

955	Self-assembly and Li-ion storage performance of three new Nb/W mixed-addendum polyoxometalates based on the {SiNb <sub>3</sub> W <sub>9</sub> O <sub>40</sub> } clusters and transition-metal cations. <i>CrystEngComm</i> , <b>2019</b> , 21, 1862-1866	3.3	6
954	From Octahedral to Icosahedral Metal-Organic Polyhedra Assembled from Two Types of Polyoxovanadate Clusters. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4697-4701	3.6	5
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952	Synthesis and characterization of two isostructural 3d-4f coordination compounds based on pyridine-2,6-dicarboxylic acid and 4,4'-bipyridine. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2019</b> , 75, 723-727	0.8	
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948	Reversible tricolour luminescence switching based on a piezochromic iridium(III) complex. <i>Chemical Communications</i> , <b>2019</b> , 55, 14582-14585	5.8	15
947	Mechanistic insight into electroreduction of carbon dioxide on FeN (x = 0-4) embedded graphene. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 23638-23644	3.6	10
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945	Dinuclear Ir(III) complexes with asymmetrical bridging ligands as highly efficient phosphors for single-layer electroluminescent devices. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 13461-13467	7.1	3
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943	Enhanced CO <sub>2</sub> photoreduction via tuning halides in perovskites. <i>Journal of Catalysis</i> , <b>2019</b> , 369, 201-208	7.3	77
942	Bottom-Up Construction and Reversible Structural Transformation of Supramolecular Isomers based on Large Truncated Tetrahedra. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 790-794	3.6	14
941	Bottom-Up Construction and Reversible Structural Transformation of Supramolecular Isomers based on Large Truncated Tetrahedra. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 780-784	16.4	52
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939	Electrochemical reduction of carbon dioxide on the two-dimensional M <sub>3</sub> (Hexaiminotriphenylene) <sub>2</sub> sheet: A computational study. <i>Applied Surface Science</i> , <b>2019</b> , 467-468, 98-103	6.7	21
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935	A triazine-based metal-organic framework with solvatochromic behaviour and selectively sensitive photoluminescent detection of nitrobenzene and Cu <sup>2+</sup> ions. <i>Dyes and Pigments</i> , <b>2019</b> , 163, 159-167	4.6	17
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857	A hexanuclear cobalt metal-organic framework for efficient CO <sub>2</sub> reduction under visible light. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12498-12505	13	82
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722	Metal-organic framework composites with luminescent gold(III) complexes. Strongly emissive and long-lived excited states in open air and photo-catalysis. <i>Chemical Science</i> , <b>2015</b> , 6, 7105-7111	9.4	47

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720	A luminescent dye@MOF as a dual-emitting platform for sensing explosives. <i>Chemical Communications</i> , <b>2015</b> , 51, 17521-4	5.8	81
719	Charge transfer and first hyperpolarizability: cage-like radicals C59X and lithium encapsulated Li@C59X (X=B, N). <i>Journal of Molecular Modeling</i> , <b>2015</b> , 21, 258	2	9
718	Exploration of charge transfer and absorption spectra of porphyrin@polyoxometalate hybrids to search for high performance sensitizers. <i>RSC Advances</i> , <b>2015</b> , 5, 93659-93665	3.7	4
717	A sulfur-free iridium(III) complex for highly selective and multi-signaling mercury(II)-chemosensors. <i>Dalton Transactions</i> , <b>2015</b> , 44, 19997-20003	4.3	15
716	Cancer Therapy: Facile and Scalable Synthesis of Novel Spherical Au Nanocluster Assemblies@Polyacrylic Acid/Calcium Phosphate Nanoparticles for Dual-Modal Imaging-Guided Cancer Chemotherapy (Small 26/2015). <i>Small</i> , <b>2015</b> , 11, 3082-3082	11	3
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714	Anion-specific aggregation induced phosphorescence emission (AIPE) in an ionic iridium complex in aqueous media. <i>Chemical Communications</i> , <b>2015</b> , 51, 16924-7	5.8	40
713	A Stable Polyoxometalate-Pillared Metal-Organic Framework for Proton-Conducting and Colorimetric Biosensing. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 11894-8	4.8	59
712	Controlled synthesis of mesoporous hollow SnO <sub>2</sub> nanococoons with enhanced lithium storage capability. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22021-22025	13	22
711	Metal-Organic Rotaxane Frameworks Assembly by Cucurbit[6]uril-Based Pseudorotaxanes and Mixed Ligands. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 4311-4317	3.5	28
710	The facile synthesis of hollow Au nanoflowers for synergistic chemo-photothermal cancer therapy. <i>Chemical Communications</i> , <b>2015</b> , 51, 14338-41	5.8	48
709	"Dancing inside the ball": the structures and nonlinear optical properties of three Sc <sub>2</sub> S@C <sub>3</sub> v(8)-C82 isomers. <i>Journal of Molecular Modeling</i> , <b>2015</b> , 21, 259	2	2
708	Spontaneous chiral resolution of a rare 3D self-penetration coordination polymer for sensitive aqueous-phase detection of picric acid. <i>Dalton Transactions</i> , <b>2015</b> , 44, 18386-94	4.3	39
707	High-Nuclear Vanadoniobate {Nb <sub>48</sub> V <sub>8</sub> } Multiple-Strand Wheel. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 11083-7	5.1	20
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702	How does hybrid bridging core modification enhance the nonlinear optical properties in donor-acceptor configuration? A case study of dinitrophenol derivatives. <i>Journal of Computational Chemistry</i> , <b>2015</b> , 36, 118-28	3.5	46
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698	A Highly Energetic N-Rich Zeolite-Like Metal-Organic Framework with Excellent Air Stability and Insensitivity. <i>Advanced Science</i> , <b>2015</b> , 2, 1500150	13.6	45
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238	Investigation of Dibenzoboroles Having $\pi$ Electrons: Toward a New Type of Two-Dimensional NLO Molecular Switch?. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 12551-12557	3.8	79
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233	Syntheses, Structures, and Luminescent Properties of Zinc(II) and Cadmium(II) Coordination Complexes Based on Different (Pyridyl)imidazole Derivatives and 1,4-Benzenedicarboxylate. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 1353-1360	3.5	47
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227	Prediction of remarkably large second-order nonlinear optical properties of organoimido-substituted hexamolybdates. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 3576-87	2.8	78
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225	Construction of a three-dimensional polynuclear zinc compound based on unique metallophthalocyanine-like subunits. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 10-2	5.1	45
224	Macroscopic single-crystal tubes assembled with porous supramolecular architecture of water-soluble calixarene and phenanthroline. <i>Chemical Communications</i> , <b>2009</b> , 1861-3	5.8	19
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219	Redox-switchable second-order nonlinear optical responses of push-pull monotetrathiafulvalene-metalloporphyrins. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6548-54	5.1	85
218	Silver/Polyaniline Composite Nanotubes: One-Step Synthesis and Electrocatalytic Activity for Neurotransmitter Dopamine. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 15175-15181	3.8	108



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5	Stepwise Construction of Multivariate Metal-Organic Frameworks from a Pre-designed Zr <sub>16</sub> Cluster. <i>CCS Chemistry</i> , 287-293	7.2	4
4	Novel acetylene-terminated thermosetting polyisoimides with excellent solubility and performed as efficient heat shields composites. <i>Journal of Applied Polymer Science</i> , 51559	2.9	0
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