

# Zhan Shi

## List of Publications by Year in descending order

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311  
papers

13,824  
citations

20817

60  
h-index

31849

101  
g-index

315  
all docs

315  
docs citations

315  
times ranked

15701  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mercury nano-trap for effective and efficient removal of mercury(II) from aqueous solution. <i>Nature Communications</i> , 2014, 5, 5537.	12.8	481
2	Enhanced Binding Affinity, Remarkable Selectivity, and High Capacity of CO <sub>2</sub> by Dual Functionalization of a <i>z</i> -Type Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1412-1415.	13.8	430
3	Introduction of $\pi$ -Complexation into Porous Aromatic Framework for Highly Selective Adsorption of Ethylene over Ethane. <i>Journal of the American Chemical Society</i> , 2014, 136, 8654-8660.	13.7	383
4	A dual functional MOF as a luminescent sensor for quantitatively detecting the concentration of nitrobenzene and temperature. <i>Chemical Communications</i> , 2013, 49, 8964.	4.1	335
5	3D Hierarchical ZnIn <sub>2</sub> S <sub>4</sub> Nanosheets with Rich Zn Vacancies Boosting Photocatalytic CO <sub>2</sub> Reduction. <i>Advanced Functional Materials</i> , 2019, 29, 1905153.	14.9	308
6	Rational Design of Fe-N/C Hybrid for Enhanced Nitrogen Reduction Electrocatalysis under Ambient Conditions in Aqueous Solution. <i>ACS Catalysis</i> , 2019, 9, 336-344.	11.2	278
7	Metal-Organic Framework Based upon the Synergy of a Brønsted Acid Framework and Lewis Acid Centers as a Highly Efficient Heterogeneous Catalyst for Fixed-Bed Reactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 4243-4248.	13.7	242
8	Covalent organic frameworks: efficient, metal-free, heterogeneous organocatalysts for chemical fixation of CO <sub>2</sub> under mild conditions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 374-382.	10.3	238
9	A strategy toward constructing a bifunctionalized MOF catalyst: post-synthetic modification of MOFs on organic ligands and coordinatively unsaturated metal sites. <i>Chemical Communications</i> , 2012, 48, 6151.	4.1	204
10	A facile route for nitrogen-doped hollow graphitic carbon spheres with superior performance in supercapacitors. <i>Journal of Materials Chemistry</i> , 2012, 22, 13464.	6.7	202
11	A Facet-Dependent Schottky-Junction Electron Shuttle in a BiVO <sub>4</sub> {010}-Au-Cu <sub>2</sub> O Z-scheme Photocatalyst for Efficient Charge Separation. <i>Advanced Functional Materials</i> , 2018, 28, 1801214.	14.9	193
12	Covalent organic framework as an efficient, metal-free, heterogeneous photocatalyst for organic transformations under visible light. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 334-342.	20.2	192
13	Covalent organic frameworks as metal-free heterogeneous photocatalysts for organic transformations. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22933-22938.	10.3	176
14	Bifunctional MOF heterogeneous catalysts based on the synergy of dual functional sites for efficient conversion of CO <sub>2</sub> under mild and co-catalyst free conditions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23136-23142.	10.3	175
15	Capture of organic iodides from nuclear waste by metal-organic framework-based molecular traps. <i>Nature Communications</i> , 2017, 8, 485.	12.8	171
16	Metal-Cation-Directed <i>de Novo</i> Assembly of a Functionalized Guest Molecule in the Nanospace of a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2014, 136, 1202-1205.	13.7	168
17	{Ta <sub>12</sub> }/{Ta <sub>16</sub> } Cluster-Containing Polytantalotungstates with Remarkable Photocatalytic H <sub>2</sub> Evolution Activity. <i>Journal of the American Chemical Society</i> , 2012, 134, 19716-19721.	13.7	164
18	Crystal Facets Make a Profound Difference in Polyoxometalate-Containing Metal-Organic Frameworks as Catalysts for Biodiesel Production. <i>Journal of the American Chemical Society</i> , 2015, 137, 12697-12703.	13.7	160

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19	Rational Design and Functionalization of a Zinc Metal-Organic Framework for Highly Selective Detection of 2,4,6-Trinitrophenol. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23828-23835.	8.0	154
20	Interior multi-cavity/surface engineering of alginate hydrogels with polyethylenimine for highly efficient chromium removal in batch and continuous aqueous systems. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17073-17087.	10.3	149
21	Current Advances in Lanthanide-Doped Upconversion Nanostructures for Detection and Bioapplication. <i>Advanced Science</i> , 2016, 3, 1600029.	11.2	147
22	Histidine-Derived Nontoxic Nitrogen-Doped Carbon Dots for Sensing and Bioimaging Applications. <i>Langmuir</i> , 2014, 30, 13542-13548.	3.5	141
23	An N-rich metal-organic framework with an rht topology: high CO <sub>2</sub> and C <sub>2</sub> hydrocarbons uptake and selective capture from CH <sub>4</sub> . <i>Chemical Communications</i> , 2014, 50, 5031.	4.1	137
24	Inspiration from old molecules: field-induced slow magnetic relaxation in three air-stable tetrahedral cobalt(II) compounds. <i>Chemical Communications</i> , 2013, 49, 5289.	4.1	128
25	Hydrophilic, Upconverting, Multicolor, Lanthanide-Doped NaGdF <sub>4</sub> Nanocrystals as Potential Multifunctional Bioprobes. <i>Chemistry - A European Journal</i> , 2012, 18, 11641-11646.	3.3	123
26	Tumor-Associated-Macrophage-Membrane-Coated Nanoparticles for Improved Photodynamic Immunotherapy. <i>Nano Letters</i> , 2021, 21, 5522-5531.	9.1	106
27	High storage capacity and separation selectivity for C <sub>2</sub> hydrocarbons over methane in the metal-organic framework Cu-TDPAT. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15823-15828.	10.3	102
28	Facile Synthesis of a Nanocrystalline Metal-Organic Framework Impregnated with a Phosphovanadomolybdate and Its Remarkable Catalytic Performance in Ultradeep Oxidative Desulfurization. <i>ChemCatChem</i> , 2013, 5, 3086-3091.	3.7	100
29	Construction of donor-acceptor type conjugated microporous polymers: A fascinating strategy for the development of efficient heterogeneous photocatalysts in organic synthesis. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 36-44.	20.2	100
30	General Approach to Well-Defined Perovskite MTiO <sub>3</sub> (M = Ba, Sr, Ca, and Mg) Nanostructures. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3918-3925.	3.1	96
31	Polyoxometalate-Modified Sponge-Like Graphene Oxide Monolith with High Proton-Conducting Performance. <i>Advanced Functional Materials</i> , 2015, 25, 4480-4485.	14.9	96
32	Non-injection gram-scale synthesis of cesium lead halide perovskite quantum dots with controllable size and composition. <i>Nano Research</i> , 2016, 9, 1994-2006.	10.4	93
33	Polyethylenimine-functionalized cellulose aerogel beads for efficient dynamic removal of chromium(VI) from aqueous solution. <i>RSC Advances</i> , 2017, 7, 54039-54052.	3.6	91
34	Dual Emissive Cu:InP/ZnS/InP/ZnS Nanocrystals: Single-Source "Greener" Emitters with Flexibly Tunable Emission from Visible to Near-Infrared and Their Application in White Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2015, 27, 1405-1411.	6.7	90
35	Bortezomib-Encapsulated CuS/Carbon Dot Nanocomposites for Enhanced Photothermal Therapy via Stabilization of Polyubiquitinated Substrates in the Proteasomal Degradation Pathway. <i>ACS Nano</i> , 2020, 14, 10688-10703.	14.6	88
36	La <sub>2</sub> O <sub>3</sub> -Modified LaTiO <sub>2</sub> N Photocatalyst with Spatially Separated Active Sites Achieving Enhanced CO <sub>2</sub> Reduction. <i>Advanced Functional Materials</i> , 2017, 27, 1702447.	14.9	87

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37	Breakthrough in concentration quenching threshold of upconversion luminescence via spatial separation of the emitter doping area for bio-applications. <i>Chemical Communications</i> , 2011, 47, 11957.	4.1	86
38	Cationic porous organic polymers as an excellent platform for highly efficient removal of pollutants from water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20653-20658.	10.3	86
39	Hydrothermal synthesis and crystal structure of a layered vanadium oxide with an interlayer metal co-ordination complex: Cd[C <sub>3</sub> N <sub>2</sub> H <sub>11</sub> ] <sub>2</sub> [V <sub>8</sub> O <sub>20</sub> ]. <i>Dalton Transactions RSC</i> , 2000, , 275-278.	2.3	79
40	Multifunctional Luminescent Porous Organic Polymer for Selectively Detecting Iron Ions and 1,4-Dioxane via Luminescent Turn-off and Turn-on Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24097-24103.	8.0	78
41	Bifunctional Metal-Free Porous Organic Framework Heterogeneous Catalyst for Efficient CO <sub>2</sub> Conversion under Mild and Cocatalyst-Free Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15050-15055.	6.7	78
42	Rational Design of Superior Microwave Shielding Composites Employing Synergy of Encapsulating Character of Alginate Hydrogels and Task-Specific Components (Ni NPs,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 53767d (Fe<sup>3+</sup>)</i>		
43	Microwave-assisted synthesis and up/down conversion luminescent properties of multicolor hydrophilic LaF <sub>3</sub> :Ln <sup>3+</sup> nanocrystals. <i>Dalton Transactions</i> , 2013, 42, 2015-2022.	3.3	75
44	Multimorphology Mesoporous Silica Nanoparticles for Dye Adsorption and Multicolor Luminescence Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3533-3545.	6.7	74
45	Reversible switching of slow magnetic relaxation in a classic lanthanide metal-organic framework system. <i>Chemical Communications</i> , 2013, 49, 8244.	4.1	72
46	Creation of a new type of ion exchange material for rapid, high-capacity, reversible and selective ion exchange without swelling and entrainment. <i>Chemical Science</i> , 2016, 7, 2138-2144.	7.4	72
47	3d/4f Metal-Organic Framework with Dual Luminescent Centers That Efficiently Discriminates the Isomer and Homologues of Small Organic Molecules. <i>Inorganic Chemistry</i> , 2016, 55, 1089-1095.	4.0	72
48	A Vanadium(IV) Phosphite with a Pillared Layered Structure: Hydrothermal Synthesis and Characterization of (VO) <sub>4</sub> (4,4'-bpy) <sub>2</sub> (HPO <sub>3</sub> ) <sub>4</sub> . <i>Inorganic Chemistry</i> , 2003, 42, 2357-2361.	4.0	71
49	Aqueous phase synthesis of upconversion nanocrystals through layer-by-layer epitaxial growth for in vivo X-ray computed tomography. <i>Nanoscale</i> , 2013, 5, 6950.	5.6	71
50	An unusual copper(i) halide-based metal-organic framework with a cationic framework exhibiting the release/adsorption of iodine, ion-exchange and luminescent properties. <i>Dalton Transactions</i> , 2013, 42, 7562.	3.3	71
51	Shape-controlled synthesis of polyhedral 50-facet Cu <sub>2</sub> O microcrystals with high-index facets. <i>CrystEngComm</i> , 2012, 14, 4431.	2.6	70
52	A Rhenium-Functionalized Metal-Organic Framework as a Single-Site Catalyst for Photochemical Reduction of Carbon Dioxide. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4358-4362.	2.0	70
53	The Uncommon Channel-Based Ln-MOFs for Highly Selective Fe <sup>3+</sup> Detection and Superior Rhodamine-B Adsorption. <i>Chemistry - A European Journal</i> , 2016, 22, 16230-16235.	3.3	70
54	Solvothermal synthesis of three-dimensional, Fe <sub>2</sub> O <sub>3</sub> NPs-embedded CNT/N-doped graphene composites with excellent microwave absorption performance. <i>RSC Advances</i> , 2017, 7, 45156-45169.	3.6	70

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55	Stimuli-Responsive Luminescent Properties of Tetraphenylethene-Based Strontium and Cobalt Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19716-19721.	13.8	70
56	Hydrothermal synthesis and structure of $[C_2N_2H_{10}][La_2(H_2O)_4(SO_4)_4] \cdot 2H_2O$ , a new organically templated rare earth sulfate with a layer structure. <i>Dalton Transactions</i> , 2003, , 940-943.	3.3	67
57	A novel family of 3D photoluminescent lanthanide-based flexible MOFs constructed from 1,2,4,5-benzenetetracarboxylic acid and different spanning of dicarboxylate acid ligands. <i>CrystEngComm</i> , 2011, 13, 3884.	2.6	66
58	Defect engineering of photocatalysts for solar-driven conversion of CO <sub>2</sub> into valuable fuels. <i>Materials Today</i> , 2021, 50, 358-384.	14.2	66
59	Hydrothermal synthesis and characterization of the first oxalate-based mixed-ligand three-dimensional frameworks: $\{[M_2(\mu_8-bta)(\mu_2-C_2O_4)](H_3O)_2(H_2O)_2\}_n$ (M = Coll, Fell; bta = ) <i>Tj ETQq1 1 0.784314 rgBT /Overlook 10 Tf 50 577 Tid</i>	10.3	65
60	Colloidal preparation and electrocatalytic hydrogen production of MoS <sub>2</sub> and WS <sub>2</sub> nanosheets with controllable lateral sizes and layer numbers. <i>Nanoscale</i> , 2016, 8, 15262-15272.	5.6	64
61	A non-luminescent Eu-MOF-based turn-on sensor towards an anthrax biomarker through single-crystal to single-crystal phase transition. <i>Chemical Communications</i> , 2019, 55, 14918-14921.	4.1	64
62	Controllable proton-conducting pathways via situating polyoxometalates in targeting pores of a metal-organic framework. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9611-9617.	10.3	61
63	Seaweed-derived multifunctional nitrogen/cobalt-codoped carbonaceous beads for relatively high-efficient peroxymonosulfate activation for organic pollutants degradation. <i>Chemical Engineering Journal</i> , 2018, 353, 746-759.	12.7	60
64	One-dimensional hierarchically porous carbon from biomass with high capacitance as supercapacitor materials. <i>Microporous and Mesoporous Materials</i> , 2017, 251, 77-82.	4.4	59
65	Novel Coordination Polymers with Mixed Ligands and Orientated Enantiomers. <i>Inorganic Chemistry</i> , 2001, 40, 5312-5313.	4.0	58
66	Unravelling Thiolate's Role in Directing Asymmetric Growth of Au Nanorod-Au Nanoparticle Dimers. <i>Nano Letters</i> , 2016, 16, 617-623.	9.1	58
67	Silicon Photoanodes Partially Covered by Ni@Ni(OH) <sub>2</sub> Core-Shell Particles for Photoelectrochemical Water Oxidation. <i>ChemSusChem</i> , 2017, 10, 2897-2903.	6.8	58
68	Facile Synthesis of Highly Water-Soluble Lanthanide-Doped LaVO <sub>4</sub> NPs for Antifake Ink and Latent Fingerprint Detection. <i>Small</i> , 2017, 13, 1702305.	10.0	56
69	Aptamer optical biosensor without bio-breakage using upconversion nanoparticles as donors. <i>Chemical Communications</i> , 2012, 48, 1156-1158.	4.1	55
70	Dual Functionalized Cages in Metal-Organic Frameworks via Stepwise Postsynthetic Modification. <i>Chemistry of Materials</i> , 2016, 28, 4781-4786.	6.7	55
71	Bismuth-MOF based on tetraphenylethylene derivative as a luminescent sensor with turn-off/on for application of Fe <sup>3+</sup> detection in serum and bioimaging, as well as emissive spectra analysis by TRES. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128767.	7.8	55
72	Study on the Local Structure and Luminescence Properties of a Y <sub>2</sub> Mg <sub>2</sub> Al <sub>2</sub> Si <sub>2</sub> O <sub>12</sub> :Eu <sup>3+</sup> Red Phosphor for White-Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2020, 59, 9927-9937.	4.0	55

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73	A performance study of enhanced visible-light-driven photocatalysis and magnetical protein separation of multifunctional yolk-shell nanostructures. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10030.	10.3	54
74	Quantitative Evaluation of Carrier Dynamics in Full-Spectrum Responsive Metallic ZnIn <sub>2</sub> S <sub>4</sub> with Indium Vacancies for Boosting Photocatalytic CO <sub>2</sub> Reduction. <i>Nano Letters</i> , 2022, 22, 4970-4978.	9.1	54
75	Design and Construction of Coordination Polymers by 4-Amino-3,5-bis( <i>n</i> -pyridyl)-1,2,4-triazole ( <i>n</i> = 2, 3, 4) Isomers in a Copper(I) Halide System: Diverse Structures Tuned by Isomeric and Anion Effects. <i>Crystal Growth and Design</i> , 2010, 10, 2192-2201.	3.0	53
76	Synthesis, Structures, and Magnetic Properties of Three Fluoride-Bridged Lanthanide Compounds: Effect of Bridging Fluoride Ions on Magnetic Behaviors. <i>Inorganic Chemistry</i> , 2012, 51, 7529-7536.	4.0	53
77	Hydrothermal synthesis and characterization of a new inorganic-organic hybrid layered zinc phosphate-phosphite (C <sub>6</sub> H <sub>15</sub> N <sub>2</sub> ) <sub>2</sub> Zn <sub>4</sub> (PO <sub>4</sub> ) <sub>2</sub> (HPO <sub>3</sub> ) <sub>2</sub> . <i>Dalton Transactions RSC</i> , 2002, , 4060-4063.	2.3	52
78	Porous Pt Nanotubes with High Methanol Oxidation Electrocatalytic Activity Based on Original Bamboo-Shaped Te Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16147-16153.	8.0	52
79	Significant promotion of porous architecture and magnetic Fe <sub>3</sub> O <sub>4</sub> NPs inside honeycomb-like carbonaceous composites for enhanced microwave absorption. <i>RSC Advances</i> , 2018, 8, 19011-19023.	3.6	52
80	Saccharomyces-derived carbon dots for biosensing pH and vitamin B 12. <i>Talanta</i> , 2019, 195, 117-126.	5.5	52
81	A coordination polymer of copper(i) iodide with 654 topology constructed from Cu <sub>4</sub> I <sub>4</sub> (DABCO) <sub>4</sub> . <i>CrystEngComm</i> , 2007, 9, 984.	2.6	51
82	Coordination polymers constructed by 1,3-bis(4-pyridyl)propane with four different conformations and 2,2'-dinitro-4,4'-biphenyldicarboxylate ligands: the effects of metal ions. <i>CrystEngComm</i> , 2011, 13, 1291-1298.	2.6	51
83	Self-Assembly of Three-Dimensional Zinc-Doped NiCo <sub>2</sub> O <sub>4</sub> as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2018, 24, 13002-13008.	3.3	51
84	Properties and Application of Single Eu <sup>2+</sup> -Activated Color Tuning Phosphors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10724-10733.	6.7	51
85	Photoluminescent and photovoltaic properties observed in a zinc borate Zn <sub>2</sub> (OH)BO <sub>3</sub> . <i>Journal of Materials Chemistry</i> , 2003, 13, 2227-2233.	6.7	49
86	Anion effects on the structures and magnetic properties of binuclear lanthanide single-molecule magnets. <i>Dalton Transactions</i> , 2014, 43, 1238-1245.	3.3	49
87	Photoluminescence and Photocatalysis Properties of Dual-Functional Eu <sup>3+</sup> -Doped Anatase Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2369-2379.	3.1	49
88	Mg-doped Ta <sub>3</sub> N <sub>5</sub> nanorods coated with a conformal CoOOH layer for water oxidation: bulk and surface dual modification of photoanodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20439-20447.	10.3	49
89	Novel highly efficient single-component multi-peak emitting aluminosilicate phosphors co-activated with Ce <sup>3+</sup> , Tb <sup>3+</sup> and Eu <sup>2+</sup> : luminescence properties, tunable color, and thermal properties. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1591-1607.	2.8	49
90	Conjugated Microporous Polymers as Heterogeneous Photocatalysts for Efficient Degradation of a Mustard-Gas Simulant. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37578-37585.	8.0	49



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91	A stable nanoscaled Zr-MOF for the detection of toxic mycotoxin through a pH-modulated ratiometric luminescent switch. <i>Chemical Communications</i> , 2020, 56, 5389-5392.	4.1	49
92	Installation of synergistic binding sites onto porous organic polymers for efficient removal of perfluorooctanoic acid. <i>Nature Communications</i> , 2022, 13, 2132.	12.8	49
93	Solvothermal Synthesis and Structural Characterisation of Metal-Organic Frameworks with Paddlewheel Zinc Carboxylate Clusters and Mixed Ligands. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2712-2719.	2.0	48
94	Photocatalytic and Photoluminescence Properties of Core-Shell $\text{SiO}_2/\text{TiO}_2:\text{Eu}^{3+}, \text{Sm}^{3+}$ and Its Etching Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 223-236.	6.7	48
95	Hydrothermal synthesis and characterization of metal-organic networks with helical units in a mixed ligand system. <i>CrystEngComm</i> , 2008, 10, 888.	2.6	46
96	Large-scale synthesis of single-source, thermally stable, and dual-emissive Mn-doped Zn-Cu-In-S nanocrystals for bright white light-emitting diodes. <i>Nano Research</i> , 2015, 8, 3316-3331.	10.4	46
97	Hydrothermal synthesis and characterization of a new layered zinc phosphate intercalated with fully-protonated triethylenetetramine $[\text{Zn}_2(\text{HPO}_4)_3]_2 \cdot [(\text{C}_6\text{N}_4\text{H}_{22})_0.5]_2$ . <i>Journal of Materials Chemistry</i> , 2000, 10, 1451-1455.	6.7	45
98	Two Metal-Organic Frameworks Constructed from One-Dimensional Cobalt(II) Ferrimagnetic Chains with Alternating Antiferromagnetic/Ferromagnetic and AF/AF/FM Interaction: Synthesis, Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 6813-6820.	4.0	45
99	$\text{Li}^+$ Ion Induced Full Visible Emission in Single $\text{Eu}^{2+}$ -Doped White Emitting Phosphor: $\text{Eu}^{2+}$ Site Preference Analysis, Luminescence Properties, and WLED Applications. <i>Advanced Optical Materials</i> , 2021, 9, 2100337.	7.3	45
100	Glutathione-Bioimprinted Nanoparticles Targeting of N <sup>6</sup> -methyladenosine FTO Demethylase as a Strategy against Leukemic Stem Cells. <i>Small</i> , 2022, 18, e2106558.	10.0	45
101	A facile synthesis and photoluminescence properties of water-dispersible $\text{Re}^{3+}$ doped $\text{CeF}_3$ nanocrystals and solid nanocomposites with polymers. <i>Dalton Transactions</i> , 2012, 41, 4890.	3.3	44
102	Alginate and polyethyleneimine dually mediated synthesis of nanosilver-containing composites for efficient p-nitrophenol reduction. <i>Carbohydrate Polymers</i> , 2018, 181, 744-751.	10.2	43
103	A tri-functional metal-organic framework heterogeneous catalyst for efficient conversion of $\text{CO}_2$ under mild and co-catalyst free conditions. <i>Chemical Communications</i> , 2019, 55, 14347-14350.	4.1	43
104	Hydrothermal Synthesis of New Pure Beryllphosphate Molecular Sieve Phases from Concentrated Amines. <i>Chemistry of Materials</i> , 2001, 13, 2042-2048.	6.7	42
105	A simple solution-phase approach to synthesize high quality ternary $\text{AgInSe}_2$ and band gap tunable quaternary $\text{AgIn}(\text{S}^{1-x}\text{Se}_x)_2$ nanocrystals. <i>Nanoscale</i> , 2014, 6, 6782.	5.6	42
106	Highly Active Heterogeneous Catalyst for Ethylene Dimerization Prepared by Selectively Doping Ni on the Surface of a Zeolitic Imidazolate Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 7144-7153.	13.7	42
107	Design and construction of coordination polymers based on 2,2'-dinitro-4,4'-biphenyldicarboxylate and imidazole-based ligands: The effect of ligand length and metal ions. <i>CrystEngComm</i> , 2011, 13, 4592.	2.6	40
108	Preparation of PEI/CS aerogel beads with a high density of reactive sites for efficient $\text{Cr}(\text{VI})$ sorption: batch and column studies. <i>RSC Advances</i> , 2017, 7, 40227-40236.	3.6	40

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109	Synthesis of a 2D nitrogen-rich $\pi$ -conjugated microporous polymer for high performance lithium-ion batteries. <i>Chemical Communications</i> , 2019, 55, 9491-9494.	4.1	40
110	Interface Manipulation to Improve Plasmon-Coupled Photoelectrochemical Water Splitting on $\text{Fe}_2\text{O}_3$ Photoanodes. <i>ChemSusChem</i> , 2018, 11, 237-244.	6.8	38
111	Di-ionic multifunctional porous organic frameworks for efficient $\text{CO}_2$ fixation under mild and co-catalyst free conditions. <i>Green Chemistry</i> , 2018, 20, 5285-5291.	9.0	38
112	A novel open-framework aluminophosphate $[\text{AlP}_2\text{O}_6(\text{OH})_2][\text{H}_3\text{O}]$ containing propeller-like chiral motifs. <i>Chemical Communications</i> , 2000, , 1431-1432.	4.1	37
113	Synthesis, structures and luminescent properties of cadmium(ii) metal organic frameworks based on 3-pyrid-4-ylbenzoic acid, 4-pyrid-4-ylbenzoic acid ligands. <i>CrystEngComm</i> , 2012, 14, 4664.	2.6	37
114	Bromoperoxidase mimic as catalysts for oxidative bromination synthesis, structures and properties of the diversified oxidation state of vanadium(iii, iv and v) complexes with pincer N-heterocycle ligands. <i>CrystEngComm</i> , 2013, 15, 5561.	2.6	37
115	Aminated Graphene Oxide Impregnated with Photocatalytic Polyoxometalate for Efficient Adsorption of Dye Pollutants and Its Facile and Complete Photoregeneration. <i>Small</i> , 2017, 13, 1603174.	10.0	37
116	Gold Nanorods Exhibit Intrinsic Therapeutic Activity via Controlling <i>N</i> -6-Methyladenosine-Based Epitranscriptomics in Acute Myeloid Leukemia. <i>ACS Nano</i> , 2021, 15, 17689-17704.	14.6	36
117	A microporous yttrium metal-organic framework of an unusual nia topology for high adsorption selectivity of $\text{C}_2\text{H}_2$ and $\text{CO}_2$ over $\text{CH}_4$ at room temperature. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1982-1988.	5.9	35
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123	Multivariate Synergistic Flexible Metal-Organic Frameworks with Superproton Conductivity for Direct Methanol Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26577-26581.	13.8	34
124	Synthesis, crystal structure, photoluminescence property and photoelectronic behavior of two uranyl-organic frameworks constructed from 1, 2, 4, 5-benzenetetracarboxylic acid as ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 267-272.	3.9	33
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