

# Ge Wang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4344149/ge-wang-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

161  
papers

6,079  
citations

45  
h-index

71  
g-index

167  
ext. papers

8,378  
ext. citations

9.5  
avg, IF

6.4  
L-index

#	Paper	IF	Citations
161	Boosting photocatalytic hydrogen evolution: Orbital redistribution of ultrathin ZnIn <sub>2</sub> S <sub>4</sub> nanosheets via atomic defects. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 305, 121007	21.8	5
160	Recent advances in Metal-Organic Frameworks-based materials for photocatalytic selective oxidation. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 450, 214240	23.2	7
159	Base-free catalytic aerobic oxidation of mercaptans over MOF-derived Co/CN catalyst with controllable composition and structure. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 607, 1836-1848	9.3	0
158	Engineering attractive interaction in ZIF-based phase change materials for boosting electro- and photo- driven thermal energy storage. <i>Chemical Engineering Journal</i> , <b>2022</b> , 430, 133007	14.7	5
157	The reinforced photothermal effect of conjugated dye/graphene oxide-based phase change materials: Fluorescence resonance energy transfer and applications in solar-thermal energy storage. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 130605	14.7	6
156	An efficient factor for fast screening of high-performance two-dimensional metal-organic frameworks towards catalyzing the oxygen evolution reaction.. <i>Chemical Science</i> , <b>2022</b> , 13, 4397-4405	9.4	2
155	Top-down synthetic strategies toward single atoms on the rise. <i>Matter</i> , <b>2022</b> , 5, 788-807	12.7	2
154	The marriage of two-dimensional materials and phase change materials for energy storage, conversion and applications. <i>EnergyChem</i> , <b>2022</b> , 4, 100071	36.9	3
153	Advanced pressure-upgraded dynamic phase change materials. <i>Joule</i> , <b>2022</b> , 6, 953-955	27.8	1
152	Metal-organic framework derived magnetic phase change nanocage for fast-charging solar-thermal energy conversion. <i>Nano Energy</i> , <b>2022</b> , 99, 107383	17.1	3
151	Metalloporphyrin-Decorated Titanium Dioxide Nanosheets for Efficient Photocatalytic Carbon Dioxide Reduction. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 18337-18346	5.1	2
150	Advanced 3D-printed phase change materials. <i>Matter</i> , <b>2021</b> , 4, 3374-3376	12.7	2
149	Constructing a Hetero-interface Composed of Oxygen Vacancy-Enriched Co <sub>3</sub> O <sub>4</sub> and Crystalline/Amorphous NiFe-LDH for Oxygen Evolution Reaction. <i>ACS Catalysis</i> , <b>2021</b> , 11, 14338-14351	13.1	11
148	Thermo-enhanced photocatalytic oxidation of amines to imines over MIL-125-NH@Ag@COF hybrids under visible light. <i>Nanoscale</i> , <b>2021</b> , 13, 19671-19681	7.7	3
147	Carbon-Based Composite Phase Change Materials for Thermal Energy Storage, Transfer, and Conversion. <i>Advanced Science</i> , <b>2021</b> , 8, 2001274	13.6	45
146	Electroceramics for High-Energy Density Capacitors: Current Status and Future Perspectives. <i>Chemical Reviews</i> , <b>2021</b> , 121, 6124-6172	68.1	129
145	Encapsulation of lauric acid in reduced graphene-N-doped porous carbon supporting scaffold for multi-functional phase change composites. <i>Renewable Energy</i> , <b>2021</b> , 170, 661-668	8.1	8

144	Ceria-Based Materials for Thermocatalytic and Photocatalytic Organic Synthesis. <i>ACS Catalysis</i> , <b>2021</b> , 11, 9618-9678	13.1	30
143	A Self-Standing 3D Heterostructured N-Doped Co <sub>4</sub> S <sub>3</sub> /Ni <sub>3</sub> S <sub>2</sub> /NF for High-Performance Overall Water Splitting. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 076504	3.9	0
142	Different dimensional nanoadditives for thermal conductivity enhancement of phase change materials: Fundamentals and applications. <i>Nano Energy</i> , <b>2021</b> , 85, 105948	17.1	41
141	Cobalt-embedded few-layered carbon nanosheets toward enhanced hydrogen evolution: Rational design and insight into structure-performance correlation. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 58, 156-161 <sup>12</sup>		
140	Cold sintering of microwave dielectric ceramics and devices. <i>Journal of Materials Research</i> , <b>2021</b> , 36, 3332-3349	14	
139	High-energy storage performance in BaTiO <sub>3</sub> -based lead-free multilayer ceramic capacitors. <i>Journal of Materials Research</i> , <b>2021</b> , 36, 1285-1294	2.5	4
138	Roadmap on inorganic perovskites for energy applications. <i>JPhys Energy</i> , <b>2021</b> , 3, 031502	4.9	13
137	Conjugated polymer coated MIL-125(Ti) as an efficient photocatalyst for selective oxidation of benzylic CH bond under visible light. <i>Applied Surface Science</i> , <b>2021</b> , 555, 149732	6.7	9
136	Highly dispersed Pt clusters encapsulated in MIL-125-NH <sub>2</sub> via in situ auto-reduction method for photocatalytic H <sub>2</sub> production under visible light. <i>Nano Research</i> , <b>2021</b> , 14, 4250	10	8
135	Fabrication and Elastic Properties of TiO Nanohelix Arrays through a Pressure-Induced Hydrothermal Method. <i>ACS Nano</i> , <b>2021</b> , 15, 14174-14184	16.7	3
134	In situ semi-sacrificial template-assisted growth of ultrathin metal-organic framework nanosheets for electrocatalytic oxygen evolution. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131348	14.7	2
133	Constructing accelerated charge transfer channels along V-Co-Fe via introduction of V into CoFe-layered double hydroxides for overall water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 298, 120587	21.8	7
132	Synthesis of N-TiO <sub>2</sub> @NH <sub>2</sub> -MIL-88(Fe) Core-shell Structure for Efficient Fenton Effect Assisted Methylene Blue Degradation Under Visible Light. <i>Chemical Research in Chinese Universities</i> , <b>2020</b> , 36, 1068-1075	2.2	5
131	Fatigue resistant lead-free multilayer ceramic capacitors with ultrahigh energy density. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11414-11423	13	60
130	Three-dimensional rGO@sponge framework/paraffin wax composite shape-stabilized phase change materials for solar-thermal energy conversion and storage. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 215, 110600	6.4	33
129	Smart Utilization of Multifunctional Metal Oxides in Phase Change Materials. <i>Matter</i> , <b>2020</b> , 3, 708-741	12.7	41
128	In situ one-step construction of monolithic silica aerogel-based composite phase change materials for thermal protection. <i>Composites Part B: Engineering</i> , <b>2020</b> , 195, 108072	10	34
127	Cold sintered LiMgPO <sub>4</sub> based composites for low temperature co-fired ceramic (LTCC) applications. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 6237-6244	3.8	17

126	In-situ Self-transformation Synthesis of N-doped Carbon Coating Paragenetic Anatase/Rutile Heterostructure with Enhanced Photocatalytic CO <sub>2</sub> Reduction Activity. <i>ChemCatChem</i> , <b>2020</b> , 12, 3274-3284	5.2	7
125	Phase Change Materials for Electro-Thermal Conversion and Storage: From Fundamental Understanding to Engineering Design. <i>IScience</i> , <b>2020</b> , 23, 101208	6.1	26
124	Large electrostrain in low-temperature sintered NBT-BT-0.025FN incipient piezoceramics. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 3739-3747	3.8	15
123	Hierarchical nitrogen-doped porous carbon incorporating cobalt nanocrystal sites for nitrophenol reduction. <i>Chemical Engineering Science</i> , <b>2020</b> , 217, 115525	4.4	12
122	Carbon inserted defect-rich MoS nanosheets@CdS nanospheres for efficient photocatalytic hydrogen evolution under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 569, 89-100	9.3	10
121	Graphene-CoO/PEG composite phase change materials with enhanced solar-to-thermal energy conversion and storage capacity. <i>Composites Science and Technology</i> , <b>2020</b> , 195, 108197	8.6	43
120	Flexible monolithic phase change material based on carbon nanotubes/chitosan/poly(vinyl alcohol). <i>Chemical Engineering Journal</i> , <b>2020</b> , 397, 125330	14.7	32
119	Atomically dispersed ruthenium sites on whisker-like secondary microstructure of porous carbon host toward highly efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3203-3210	13	14
118	Carbon nanotube bundles assembled flexible hierarchical framework based phase change material composites for thermal energy harvesting and thermotherapy. <i>Energy Storage Materials</i> , <b>2020</b> , 26, 129-137	19.4	66
117	Shape-stabilized phase-change materials supported by eggplant-derived porous carbon for efficient solar-to-thermal energy conversion and storage. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 1764-1772	5.8	19
116	Progress, Outlook, and Challenges in Lead-Free Energy-Storage Ferroelectrics. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1900698	6.4	71
115	In-situ derived graphene from solid sodium acetate for enhanced photothermal conversion, thermal conductivity, and energy storage capacity of phase change materials. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 205, 110269	6.4	14
114	Metal-Organic Framework-based Phase Change Materials for Thermal Energy Storage. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100218	6.1	17
113	Optimization strategies of composite phase change materials for thermal energy storage, transfer, conversion and utilization. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 4498-4535	35.4	64
112	3D Hydrangea Macrophylla-like Nickel-Vanadium Metal-Organic Frameworks Formed by Self-Assembly of Ultrathin 2D Nanosheets for Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 48495-48510	9.5	18
111	Dual redox mediators accelerate the electrochemical kinetics of lithium-sulfur batteries. <i>Nature Communications</i> , <b>2020</b> , 11, 5215	17.4	47
110	HKUST-1 derived Cu@CuO /carbon catalyst for base-free aerobic oxidative coupling of benzophenone imine: high catalytic efficiency and excellent regeneration performance.. <i>RSC Advances</i> , <b>2020</b> , 10, 36111-36118	3.7	0
109	Self-templating synthesis of hollow NiFe hydroxide nanospheres for efficient oxygen evolution reaction. <i>Electrochimica Acta</i> , <b>2020</b> , 357, 136869	6.7	2

108	Review of recent research work on CeO <sub>2</sub> -based electrocatalysts in liquid-phase electrolytes. <i>Journal of Power Sources</i> , <b>2020</b> , 480, 229091	8.9	20
107	Particulate Anion Sorbents as Electrolyte Additives for Lithium Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003055	15.6	18
106	Novel BaTiO-Based, Ag/Pd-Compatible Lead-Free Relaxors with Superior Energy Storage Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 43942-43949	9.5	45
105	Superior energy density through tailored dopant strategies in multilayer ceramic capacitors. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 2938-2948	35.4	90
104	Covalently integrated core-shell MOF@COF hybrids as efficient visible-light-driven photocatalysts for selective oxidation of alcohols. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 43, 8-15	12	85
103	Network Structural CNTs Penetrate Porous Carbon Support for Phase-Change Materials with Enhanced Electro-Thermal Performance. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901428	6.4	11
102	Origin of the large electrostrain in BiFeO <sub>3</sub> -BaTiO <sub>3</sub> based lead-free ceramics. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21254-21263	13	53
101	Ultrahigh energy storage density lead-free multilayers by controlled electrical homogeneity. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 582-588	35.4	239
100	Vacuum-dried flexible hydrophobic aerogels using bridged methylsiloxane as reinforcement: performance regulation with alkylorthosilicate or alkyltrimethoxysilane co-precursors. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2204-2212	3.6	8
99	3D Self-Supported Porous NiO@NiMoO Core-Shell Nanosheets for Highly Efficient Oxygen Evolution Reaction. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6758-6764	5.1	17
98	One-pot solvothermal synthesis of magnetically separable rGO/MnFe <sub>2</sub> O <sub>4</sub> hybrids as efficient photocatalysts for degradation of MB under visible light. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 231, 68-74	4.4	19
97	High-quality mesoporous graphene particles as high-energy and fast-charging anodes for lithium-ion batteries. <i>Nature Communications</i> , <b>2019</b> , 10, 1474	17.4	93
96	Cobalt-tuned nickel phosphide nanoparticles for highly efficient electrocatalysis. <i>Applied Surface Science</i> , <b>2019</b> , 479, 1254-1261	6.7	20
95	A facile one-step synthesis of porous N-doped carbon from MOF for efficient thermal energy storage capacity of shape-stabilized phase change materials. <i>Materials Today Energy</i> , <b>2019</b> , 12, 239-249	7	32
94	Smart integration of carbon quantum dots in metal-organic frameworks for fluorescence-functionalized phase change materials. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 349-355	19.4	66
93	Construction of 2D MOFs@reduced Graphene Oxide Nanocomposites with Enhanced Visible Light-induced Fenton-like Catalytic Performance by Seeded Growth Strategy. <i>ChemCatChem</i> , <b>2019</b> , 11, 4411-4419	5.2	3
92	Construction of covalently integrated core-shell TiO <sub>2</sub> nanobelts@COF hybrids for highly selective oxidation of alcohols under visible light. <i>Applied Surface Science</i> , <b>2019</b> , 493, 551-560	6.7	32
91	Electric field-induced irreversible relaxor to ferroelectric phase transformations in Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -NaNbO <sub>3</sub> ceramics. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 7746-7754	3.8	14

90	Difference between Metal-S and Metal-O Bond Orders: A Descriptor of Oxygen Evolution Activity for Isolated Metal Atom-Doped MoS Nanosheets. <i>IScience</i> , <b>2019</b> , 20, 481-488	6.1	10
89	Nanoconfinement effects of N-doped hierarchical carbon on thermal behaviors of organic phase change materials. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 280-288	19.4	51
88	Shape-stabilized phase change materials based on porous supports for thermal energy storage applications. <i>Chemical Engineering Journal</i> , <b>2019</b> , 356, 641-661	14.7	305
87	Enhanced Water Splitting Electrocatalysis over MnCo <sub>2</sub> O <sub>4</sub> via Introduction of Suitable Ce Content. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 1169-1177	8.3	39
86	CeO <sub>2</sub> -Modified CuFe <sub>2</sub> O <sub>4</sub> with Enhanced Oxygen Transfer as Efficient Catalysts for Selective Oxidation of Fluorene under Mild Conditions. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 91-97	2.3	6
85	Cu@Cu P Core-Shell Nanowires Attached to Nickel Foam as High-Performance Electrocatalysts for the Hydrogen Evolution Reaction. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1083-1089	4.8	8
84	Synthesis of porous carbon from cotton using an Mg(OH) <sub>2</sub> template for form-stabilized phase change materials with high encapsulation capacity, transition enthalpy and reliability. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 8969-8977	13	73
83	Vacuum-Dried Synthesis of Low-Density Hydrophobic Monolithic Bridged Silsesquioxane Aerogels for Oil/Water Separation: Effects of Acid Catalyst and Its Excellent Flexibility. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 933-939	5.6	21
82	One-pot synthesis of light-driven polymeric composite phase change materials based on N-doped porous carbon for enhanced latent heat storage capacity and thermal conductivity. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 179, 392-400	6.4	22
81	Introduction of organic-organic eutectic PCM in mesoporous N-doped carbons for enhanced thermal conductivity and energy storage capacity. <i>Applied Energy</i> , <b>2018</b> , 211, 1203-1215	10.7	92
80	Nanocrystalline CeO <sub>2</sub> -coated MnO <sub>2</sub> nanorods with enhanced oxygen transfer property. <i>Applied Surface Science</i> , <b>2018</b> , 440, 20-28	6.7	14
79	Creating Lithium-Ion Electrolytes with Biomimetic Ionic Channels in Metal-Organic Frameworks. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707476	24	146
78	Highly graphitized 3D network carbon for shape-stabilized composite PCMs with superior thermal energy harvesting. <i>Nano Energy</i> , <b>2018</b> , 49, 86-94	17.1	135
77	Synthesis and applications of nanoporous perovskite metal oxides. <i>Chemical Science</i> , <b>2018</b> , 9, 3623-3637	9.4	82
76	Core-sheath structural carbon materials for integrated enhancement of thermal conductivity and capacity. <i>Applied Energy</i> , <b>2018</b> , 217, 369-376	10.7	60
75	Aromatic heterocycle-grafted NH <sub>2</sub> -MIL-125(Ti) via conjugated linker with enhanced photocatalytic activity for selective oxidation of alcohols under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 224, 479-487	21.8	82
74	Alkylated Meso-Macroporous Metal-Organic Framework Hollow Tubes as Nanocontainers of Octadecane for Energy Storage and Thermal Regulation. <i>Small</i> , <b>2018</b> , 14, e1801970	11	32
73	High Energy Storage Density and Large Strain in Bi(Zn <sub>2</sub> /3Nb <sub>1</sub> /3)O <sub>3</sub> -Doped BiFeO <sub>3</sub> BaTiO <sub>3</sub> Ceramics. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 4403-4412	6.1	138

72	Ce <sub>1-x</sub> Cr <sub>x</sub> O <sub>2</sub> Nanocrystals as Efficient Catalysts for the Selective Oxidation of Cyclohexane to KA Oil at Low Temperature under Ambient Pressure. <i>ChemCatChem</i> , <b>2018</b> , 10, 1406-1413	5.2	21
71	High-performance oxygen evolution catalyst using two-dimensional ultrathin metal-organic frameworks nanosheets. <i>Nano Energy</i> , <b>2018</b> , 44, 345-352	17.1	190
70	A sustainable method toward melamine-based conjugated polymer semiconductors for efficient photocatalytic hydrogen production under visible light. <i>Green Chemistry</i> , <b>2018</b> , 20, 664-670	10	56
69	Synthesis and Characterization of Paraffin/Metal Organic Gel Derived Porous Carbon/Boron Nitride Composite Phase Change Materials for Thermal Energy Storage. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 5167-5175	2.3	25
68	BiFeO <sub>3</sub> -BaTiO <sub>3</sub> : A new generation of lead-free electroceramics. <i>Journal of Advanced Dielectrics</i> , <b>2018</b> , 08, 1830004	1.3	100
67	Approaching Theoretical Capacities in Thick Lithium Vanadium Phosphate Electrodes at High Charge/Discharge Rates. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 15608-15617	8.3	12
66	Effective Encapsulation of Paraffin Wax in Carbon Nanotube Agglomerates for a New Shape-Stabilized Phase Change Material with Enhanced Thermal-Storage Capacity and Stability. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 13026-13035	3.9	29
65	Nanoconfinement effects on thermal properties of nanoporous shape-stabilized composite PCMs: A review. <i>Nano Energy</i> , <b>2018</b> , 53, 769-797	17.1	178
64	Hierarchical 3D Reduced Graphene Porous-Carbon-Based PCMs for Superior Thermal Energy Storage Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 32093-32101	9.5	56
63	Porous organic/inorganic hybrid xerogels for stearic acid shape-stabilized phase change materials. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1790-1797	3.6	17
62	Shape-Stabilized Phase Change Materials Based on Stearic Acid and Mesoporous Hollow SiO <sub>2</sub> Microspheres (SA/SiO <sub>2</sub> ) for Thermal Energy Storage. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 2138-2143	2.3	27
61	Regenerative Polysulfide-Scavenging Layers Enabling Lithium-Sulfur Batteries with High Energy Density and Prolonged Cycling Life. <i>ACS Nano</i> , <b>2017</b> , 11, 2697-2705	16.7	111
60	Experimental Study on Thermal Conductivity and Hardness of Cu and Ni Nanoparticle Packed Bed for Thermoelectric Application. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 189	5	11
59	Hierarchical Ni(OH) <sub>2</sub> Composed of Ultrathin Nanosheets with Controlled Interlayer Distances and Their Enhanced Catalytic Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20476-20483	9.5	19
58	Hierarchically nanostructured MnCo <sub>2</sub> O <sub>4</sub> as active catalysts for the synthesis of N-benzylideneaniline from benzyl alcohol and aniline. <i>Green Chemistry</i> , <b>2017</b> , 19, 769-777	10	66
57	1-Octadecanol@hierarchical porous polymer composite as a novel shape-stability phase change material for latent heat thermal energy storage. <i>Applied Energy</i> , <b>2017</b> , 187, 514-522	10.7	70
56	Synthesis of Graphene-like mesoporous carbons for shape-stabilized phase change materials with high loading capacity and improved latent heat. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24321-24328	13	54
55	Controlled Synthesis of 3D Flower-like Ni P Composed of Mesoporous Nanoplates for Overall Water Splitting. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2956-2961	4.5	23

54	Sub-nano CoO <sub>x</sub> attached onto WO <sub>3</sub> for efficient photocatalytic and photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24631-24635	13	29
53	In Situ-Induced Synthesis of Magnetic Cu-CuFe <sub>2</sub> O <sub>4</sub> @HKUST-1 Heterostructures with Enhanced Catalytic Performance for Selective Aerobic Benzylic C-H Oxidation. <i>ACS Catalysis</i> , <b>2017</b> , 7, 243-249	13.1	56
52	Co(II) complexes loaded into metal-organic frameworks as efficient heterogeneous catalysts for aerobic epoxidation of olefins. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 161-168	5.5	53
51	Preparation of hollow multiple-Ag-nanoclusters-C-shell nanostructures and their catalytic properties. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 180, 13-19	21.8	25
50	One-Pot Preparation of Hierarchical Nanosheet-Constructed Fe <sub>3</sub> O <sub>4</sub> /MIL-88B(Fe) Magnetic Microspheres with High Efficiency Photocatalytic Degradation of Dye. <i>ChemCatChem</i> , <b>2016</b> , 8, 3510-3517	5.2	35
49	One-step modified method for a highly efficient Au@ANI@TiO <sub>2</sub> visible-light photocatalyst. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 8587-8592	3.6	22
48	NiO promoted CuO@NiO/SBA-15 composites as highly active catalysts for epoxidation of olefins. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 8543-8548	3.6	14
47	Fabrication of hierarchical composite microspheres of copper-doped Fe <sub>3</sub> O <sub>4</sub> @P4VP@ZIF-8 and their application in aerobic oxidation. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 10127-10135	3.6	18
46	Encapsulation of SnO <sub>2</sub> nanocrystals into hierarchically porous carbon by melt infiltration for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18706-18710	13	38
45	One-Pot Fabrication of Hierarchical Nanosheet-Based TiO <sub>2</sub> -Carbon Hollow Microspheres for Anode Materials of High-Rate Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 6031-6	4.8	23
44	Surface functionalization engineering driven crystallization behavior of polyethylene glycol confined in mesoporous silica for shape-stabilized phase change materials. <i>Nano Energy</i> , <b>2016</b> , 19, 78-87	17.1	141
43	SO <sub>3</sub> H-functionalized metal organic frameworks: an efficient heterogeneous catalyst for the synthesis of quinoxaline and derivatives. <i>RSC Advances</i> , <b>2016</b> , 6, 35135-35143	3.7	24
42	Introduction of an organic acid phase changing material into metal-organic frameworks and the study of its thermal properties. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 7641-7649	13	92
41	Imine-linked micron-network polymers with high polyethylene glycol uptake for shaped-stabilized phase change materials. <i>RSC Advances</i> , <b>2016</b> , 6, 44807-44813	3.7	20
40	Highly porous carbons derived from MOFs for shape-stabilized phase change materials with high storage capacity and thermal conductivity. <i>RSC Advances</i> , <b>2016</b> , 6, 40106-40114	3.7	57
39	Influence of Nanopore Shapes on Thermal Conductivity of Two-Dimensional Nanoporous Material. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 430	5	4
38	A general post-synthetic modification approach of amino-tagged metal-organic frameworks to access efficient catalysts for the Knoevenagel condensation reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17320-17331	13	162
37	Heterogeneous Fe-MIL-101 catalysts for efficient one-pot four-component coupling synthesis of highly substituted pyrroles. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 4919-4923	3.6	52



36	Imparting magnetic functionality to iron-based MIL-101 via facile Fe <sub>3</sub> O <sub>4</sub> nanoparticle encapsulation: an efficient and recoverable catalyst for aerobic oxidation. <i>RSC Advances</i> , <b>2015</b> , 5, 78962-78970	3.7	21
35	Thermal conductivity of silica nanoparticle powder: Measurement and theoretical analysis. <i>European Physical Journal Plus</i> , <b>2015</b> , 130, 1	3.1	16
34	A Dual Role of Graphene Oxide Sheet Deposition on Titanate Nanowire Scaffolds for Osteo-implantation: Mechanical Hardener and Surface Activity Regulator. <i>Scientific Reports</i> , <b>2015</b> , 5, 18266	4.9	24
33	Design and Synthesis of an Au@MIL-53(NH <sub>2</sub> ) Catalyst for a One-Pot Aerobic Oxidation/Knoevenagel Condensation Reaction. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 5099-5105	2.3	27
32	Effect of metal species on the morphology of metal (oxides) within mesochannels of SBA-15 via a double-solvent method. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 207, 105-110	5.3	11
31	Synthesis of a flower-like Zr-based metal-organic framework and study of its catalytic performance in the Mannich reaction. <i>RSC Advances</i> , <b>2015</b> , 5, 19273-19278	3.7	52
30	Oriented immobilization of Au nanoparticles on C@P4VP core-shell microspheres and their catalytic performance. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 2949-2955	3.6	14
29	Highly efficient sulfonated-polystyrene-Cu(II)@Cu <sub>3</sub> (BTC) <sub>2</sub> core-shell microsphere catalysts for base-free aerobic oxidation of alcohols. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4266-4273	13	36
28	Merging metal-organic framework catalysis with organocatalysis: A thiourea functionalized heterogeneous catalyst at the nanoscale. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 925	5.5	75
27	A fast synthesis of hierarchical yolk-shell copper hydroxysulfates at room temperature with adjustable sizes. <i>CrystEngComm</i> , <b>2014</b> , 16, 2520	3.3	12
26	Development of a SO <sub>3</sub> H-Functionalized UiO-66 Metal-Organic Framework by Postsynthetic Modification and Studies of Its Catalytic Activities. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 4268-4272	2.3	45
25	Better lithium-ion storage materials made through hierarchical assemblies of active nanorods and nanocrystals. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17536-17544	13	12
24	Synthesis of a Fe <sub>3</sub> O <sub>4</sub> @CuO@meso-SiO <sub>2</sub> nanostructure as a magnetically recyclable and efficient catalyst for styrene epoxidation. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 3082-3089	5.5	34
23	Synthesis of an amino-functionalized metal-organic framework at a nanoscale level for gold nanoparticle deposition and catalysis. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20588-20596	13	110
22	Efficient molybdenum(VI) modified Zr-MOF catalysts for epoxidation of olefins. <i>RSC Advances</i> , <b>2014</b> , 4, 42977-42982	3.7	59
21	Hierarchical PS/PANI nanostructure supported Cu(II) complexes: facile synthesis and study of catalytic applications in aerobic oxidation. <i>RSC Advances</i> , <b>2014</b> , 4, 55028-55035	3.7	28
20	Effect of partial substitution of Ca in LaMnO <sub>3</sub> on coal catalytic combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 112, 719-726	4.1	10
19	Prediction of Thermal Conductivity of Aluminum Nanocluster-Filled Mesoporous Silica (Al/MCM-41). <i>International Journal of Thermophysics</i> , <b>2013</b> , 34, 2371-2384	2.1	5

18	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> , <b>2013</b> , 1, 10030	13	52
17	One-step fabrication of 3D hierarchical Ni-incorporated $\text{Co(OH)}_2$ assembled by 2D center disk and 1D length-tunable brush. <i>RSC Advances</i> , <b>2013</b> , 3, 2604	3.7	7
16	Facile Solution-Phase Synthesis of $\text{CuInSe}_2$ Nanocrystals with Controlled Morphologies. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 5906-5910	2.3	2
15	General Approach to Well-Defined Perovskite $\text{MTiO}_3$ (M = Ba, Sr, Ca, and Mg) Nanostructures. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 3918-3925	3.8	82
14	Effect of surface properties of SBA-15 on confined Ag nanomaterials via double solvent technique. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 144, 171-175	5.3	21
13	Preparation and catalytic application of poly 4-vinylpyridine microspheres. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 116, NA-NA	2.9	1
12	A green epoxidation system with poly(4-vinylpyridine) microsphere-supported molybdenum catalyst. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 558-562	2.5	8
11	Two hydrogen-bond-cross-linked molybdenum (VI) network polymers: synthesis, crystal structures and cyclooctene epoxidation with $\text{H}_2\text{O}_2$ . <i>Structural Chemistry</i> , <b>2009</b> , 20, 869-876	1.8	9
10	Wide-band reflective polarizers from cholesteric liquid crystals with stable optical properties. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 2973-2977	2.9	32
9	A Two-Dimensional, Hydrogen-Bond-Cross-Linked Molybdenum(VI) Network Polymer with Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 1215-1218	2.3	16
8	Electrically induced and thermally erased properties of side-chain liquid crystalline polymer/liquid crystal/chiral dopant composites. <i>Liquid Crystals</i> , <b>2007</b> , 34, 949-954	2.3	5
7	A simple chemical approach to the production of nano-sized crystals of poly(acrylic acid). <i>Polymer International</i> , <b>2006</b> , 55, 1456-1461	3.3	5
6	Approach toward nanoplate poly(styrene sulfate): synthesis of nano-polymers with special morphology by using Ldhs as template. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2005</b> , 5, 917-22	1.3	4
5	Sol-gel synthesis, characterization and catalytic property of silicas modified with oxomolybdenum complexes. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 241, 8-14		28
4	Surface Cavity Microenvironments in a Porous Ceramic Radiant Gas Burner. <i>Combustion Science and Technology</i> , <b>1993</b> , 95, 277-311	1.5	2
3	Deposition and Cyclic Oxidation Behavior of a Protective (Mo, W) (Si, Ge) <sub>2</sub> Coating on Nb-Base Alloys. <i>Journal of the Electrochemical Society</i> , <b>1992</b> , 139, 1266-1275	3.9	68
2	Covalent-organic frameworks with keto-enol tautomerism for efficient photocatalytic oxidative coupling of amines to imines under visible light. <i>Science China Chemistry</i> , 1	7.9	1
1	High-energy storage performance in $\text{BaTiO}_3$ -based lead-free multilayer ceramic capacitors. <i>Journal of Materials Research</i> , 1-10	2.5	

