Ge Wang

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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	Shape-stabilized phase change materials based on porous supports for thermal energy storage applications. *Chemical Engineering Journal*, **2019**, 356, 641-661	14.7	305
160	Ultrahigh energy storage density lead-free multilayers by controlled electrical homogeneity. *Energy and Environmental Science*, **2019**, 12, 582-588	35.4	239
159	High-performance oxygen evolution catalyst using two-dimensional ultrathin metal-organic frameworks nanosheets. *Nano Energy*, **2018**, 44, 345-352	17.1	190
158	Nanoconfinement effects on thermal properties of nanoporous shape-stabilized composite PCMs: A review. *Nano Energy*, **2018**, 53, 769-797	17.1	178
157	A general post-synthetic modification approach of amino-tagged metal–organic frameworks to access efficient catalysts for the Knoevenagel condensation reaction. *Journal of Materials Chemistry A*, **2015**, 3, 17320-17331	13	162
156	Creating Lithium-Ion Electrolytes with Biomimetic Ionic Channels in Metal-Organic Frameworks. *Advanced Materials*, **2018**, 30, e1707476	24	146
155	Surface functionalization engineering driven crystallization behavior of polyethylene glycol confined in mesoporous silica for shape-stabilized phase change materials. *Nano Energy*, **2016**, 19, 78-87	17.1	141
154	High Energy Storage Density and Large Strain in Bi(Zn2/3Nb1/3)O3-Doped BiFeO3–BaTiO3 Ceramics. *ACS Applied Energy Materials*, **2018**, 1, 4403-4412	6.1	138
153	Highly graphitized 3D network carbon for shape-stabilized composite PCMs with superior thermal energy harvesting. *Nano Energy*, **2018**, 49, 86-94	17.1	135
152	Electroceramics for High-Energy Density Capacitors: Current Status and Future Perspectives. *Chemical Reviews*, **2021**, 121, 6124-6172	68.1	129
151	Regenerative Polysulfide-Scavenging Layers Enabling Lithium-Sulfur Batteries with High Energy Density and Prolonged Cycling Life. *ACS Nano*, **2017**, 11, 2697-2705	16.7	111
150	Synthesis of an amino-functionalized metal–organic framework at a nanoscale level for gold nanoparticle deposition and catalysis. *Journal of Materials Chemistry A*, **2014**, 2, 20588-20596	13	110
149	BiFeO3-BaTiO3: A new generation of lead-free electroceramics. *Journal of Advanced Dielectrics*, **2018**, 08, 1830004	1.3	100
148	High-quality mesoporous graphene particles as high-energy and fast-charging anodes for lithium-ion batteries. *Nature Communications*, **2019**, 10, 1474	17.4	93
147	Introduction of organic-organic eutectic PCM in mesoporous N-doped carbons for enhanced thermal conductivity and energy storage capacity. *Applied Energy*, **2018**, 211, 1203-1215	10.7	92
146	Introduction of an organic acid phase changing material into metal–organic frameworks and the study of its thermal properties. *Journal of Materials Chemistry A*, **2016**, 4, 7641-7649	13	92
145	Superior energy density through tailored dopant strategies in multilayer ceramic capacitors. *Energy and Environmental Science*, **2020**, 13, 2938-2948	35.4	90

144	Covalently integrated core-shell MOF@COF hybrids as efficient visible-light-driven photocatalysts for selective oxidation of alcohols. *Journal of Energy Chemistry*, **2020**, 43, 8-15	12	85
143	Synthesis and applications of nanoporous perovskite metal oxides. *Chemical Science*, **2018**, 9, 3623-3637	9.4	82
142	Aromatic heterocycle-grafted NH2-MIL-125(Ti) via conjugated linker with enhanced photocatalytic activity for selective oxidation of alcohols under visible light. *Applied Catalysis B: Environmental*, **2018**, 224, 479-487	21.8	82
141	General Approach to Well-Defined Perovskite MTiO3 (M = Ba, Sr, Ca, and Mg) Nanostructures. *Journal of Physical Chemistry C*, **2011**, 115, 3918-3925	3.8	82
140	Merging metal□organic framework catalysis with organocatalysis: A thiourea functionalized heterogeneous catalyst at the nanoscale. *Catalysis Science and Technology*, **2014**, 4, 925	5.5	75
139	Synthesis of porous carbon from cotton using an Mg(OH)2 template for form-stabilized phase change materials with high encapsulation capacity, transition enthalpy and reliability. *Journal of Materials Chemistry A*, **2018**, 6, 8969-8977	13	73
138	Progress, Outlook, and Challenges in Lead-Free Energy-Storage Ferroelectrics. *Advanced Electronic Materials*, **2020**, 6, 1900698	6.4	71
137	1-Octadecanol@hierarchical porous polymer composite as a novel shape-stability phase change material for latent heat thermal energy storage. *Applied Energy*, **2017**, 187, 514-522	10.7	70
136	Deposition and Cyclic Oxidation Behavior of a Protective (Mo, W)(Si, Ge)2 Coating on Nb-Base Alloys. *Journal of the Electrochemical Society*, **1992**, 139, 1266-1275	3.9	68
135	Hierarchically nanostructured MnCo2O4 as active catalysts for the synthesis of N-benzylideneaniline from benzyl alcohol and aniline. *Green Chemistry*, **2017**, 19, 769-777	10	66
134	Smart integration of carbon quantum dots in metal-organic frameworks for fluorescence-functionalized phase change materials. *Energy Storage Materials*, **2019**, 18, 349-355	19.4	66
133	Carbon nanotube bundles assembled flexible hierarchical framework based phase change material composites for thermal energy harvesting and thermotherapy. *Energy Storage Materials*, **2020**, 26, 129-137	19.4	66
132	Optimization strategies of composite phase change materials for thermal energy storage, transfer, conversion and utilization. *Energy and Environmental Science*, **2020**, 13, 4498-4535	35.4	64
131	Fatigue resistant lead-free multilayer ceramic capacitors with ultrahigh energy density. *Journal of Materials Chemistry A*, **2020**, 8, 11414-11423	13	60
130	Core-sheath structural carbon materials for integrated enhancement of thermal conductivity and capacity. *Applied Energy*, **2018**, 217, 369-376	10.7	60
129	Efficient molybdenum(VI) modified Zr-MOF catalysts for epoxidation of olefins. *RSC Advances*, **2014**, 4, 42977-42982	3.7	59
128	Highly porous carbons derived from MOFs for shape-stabilized phase change materials with high storage capacity and thermal conductivity. *RSC Advances*, **2016**, 6, 40106-40114	3.7	57
127	In Situ-Induced Synthesis of Magnetic Cu-CuFe2O4@HKUST-1 Heterostructures with Enhanced Catalytic Performance for Selective Aerobic Benzylic C□H Oxidation. *ACS Catalysis*, **2017**, 7, 243-249	13.1	56

126	A sustainable method toward melamine-based conjugated polymer semiconductors for efficient photocatalytic hydrogen production under visible light. *Green Chemistry*, **2018**, 20, 664-670	10	56
125	Hierarchical 3D Reduced Graphene Porous-Carbon-Based PCMs for Superior Thermal Energy Storage Performance. *ACS Applied Materials & Interfaces*, **2018**, 10, 32093-32101	9.5	56
124	Synthesis of graphene-like mesoporous carbons for shape-stabilized phase change materials with high loading capacity and improved latent heat. *Journal of Materials Chemistry A*, **2017**, 5, 24321-24328	13	54
123	Co(II) complexes loaded into metal organic frameworks as efficient heterogeneous catalysts for aerobic epoxidation of olefins. *Catalysis Science and Technology*, **2016**, 6, 161-168	5.5	53
122	Origin of the large electrostrain in BiFeO3-BaTiO3 based lead-free ceramics. *Journal of Materials Chemistry A*, **2019**, 7, 21254-21263	13	53
121	Heterogeneous Fe-MIL-101 catalysts for efficient one-pot four-component coupling synthesis of highly substituted pyrroles. *New Journal of Chemistry*, **2015**, 39, 4919-4923	3.6	52
120	A performance study of enhanced visible-light-driven photocatalysis and magnetical protein separation of multifunctional yolk shell nanostructures. *Journal of Materials Chemistry A*, **2013**, 1, 10030	13	52
119	Synthesis of a flower-like Zr-based metal organic framework and study of its catalytic performance in the Mannich reaction. *RSC Advances*, **2015**, 5, 19273-19278	3.7	52
118	Nanoconfinement effects of N-doped hierarchical carbon on thermal behaviors of organic phase change materials. *Energy Storage Materials*, **2019**, 18, 280-288	19.4	51
117	Dual redox mediators accelerate the electrochemical kinetics of lithium-sulfur batteries. *Nature Communications*, **2020**, 11, 5215	17.4	47
116	Development of a SO3H-Functionalized UiO-66 Metal Organic Framework by Postsynthetic Modification and Studies of Its Catalytic Activities. *European Journal of Inorganic Chemistry*, **2014**, 2014, 4268-4272	2.3	45
115	Novel BaTiO-Based, Ag/Pd-Compatible Lead-Free Relaxors with Superior Energy Storage Performance. *ACS Applied Materials & Interfaces*, **2020**, 12, 43942-43949	9.5	45
114	Carbon-Based Composite Phase Change Materials for Thermal Energy Storage, Transfer, and Conversion. *Advanced Science*, **2021**, 8, 2001274	13.6	45
113	Graphene-CoO/PEG composite phase change materials with enhanced solar-to-thermal energy conversion and storage capacity. *Composites Science and Technology*, **2020**, 195, 108197	8.6	43
112	Smart Utilization of Multifunctional Metal Oxides in Phase Change Materials. *Matter*, **2020**, 3, 708-741	12.7	41
111	Different dimensional nanoadditives for thermal conductivity enhancement of phase change materials: Fundamentals and applications. *Nano Energy*, **2021**, 85, 105948	17.1	41
110	Enhanced Water Splitting Electrocatalysis over MnCo2O4 via Introduction of Suitable Ce Content. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 1169-1177	8.3	39
109	Encapsulation of SnO2 nanocrystals into hierarchically porous carbon by melt infiltration for high-performance lithium storage. *Journal of Materials Chemistry A*, **2016**, 4, 18706-18710	13	38

108	Highly efficient sulfonated-polystyrene□Cu(II)@Cu3(BTC)2 core□shell microsphere catalysts for base-free aerobic oxidation of alcohols. *Journal of Materials Chemistry A*, **2015**, 3, 4266-4273	13	36
107	One-Pot Preparation of Hierarchical Nanosheet-Constructed Fe3O4/MIL-88B(Fe) Magnetic Microspheres with High Efficiency Photocatalytic Degradation of Dye. *ChemCatChem*, **2016**, 8, 3510-3517	5.2	35
106	In situ one-step construction of monolithic silica aerogel-based composite phase change materials for thermal protection. *Composites Part B: Engineering*, **2020**, 195, 108072	10	34
105	Synthesis of a Fe3O4□CuO@meso-SiO2 nanostructure as a magnetically recyclable and efficient catalyst for styrene epoxidation. *Catalysis Science and Technology*, **2014**, 4, 3082-3089	5.5	34
104	Three-dimensional rGO@sponge framework/paraffin wax composite shape-stabilized phase change materials for solar-thermal energy conversion and storage. *Solar Energy Materials and Solar Cells*, **2020**, 215, 110600	6.4	33
103	A facile one-step synthesis of porous N-doped carbon from MOF for efficient thermal energy storage capacity of shape-stabilized phase change materials. *Materials Today Energy*, **2019**, 12, 239-249	7	32
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101	Construction of covalently integrated core-shell TiO2 nanobelts@COF hybrids for highly selective oxidation of alcohols under visible light. *Applied Surface Science*, **2019**, 493, 551-560	6.7	32
100	Wide-band reflective polarizers from cholesteric liquid crystals with stable optical properties. *Journal of Applied Polymer Science*, **2007**, 105, 2973-2977	2.9	32
99	Flexible monolithic phase change material based on carbon nanotubes/chitosan/poly(vinyl alcohol). *Chemical Engineering Journal*, **2020**, 397, 125330	14.7	32
98	Ceria-Based Materials for Thermocatalytic and Photocatalytic Organic Synthesis. *ACS Catalysis*, **2021**, 11, 9618-9678	13.1	30
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96	Effective Encapsulation of Paraffin Wax in Carbon Nanotube Agglomerates for a New Shape-Stabilized Phase Change Material with Enhanced Thermal-Storage Capacity and Stability. *Industrial & Engineering Chemistry Research*, **2018**, 57, 13026-13035	3.9	29
95	Hierarchical PS/PANI nanostructure supported Cu(II) complexes: facile synthesis and study of catalytic applications in aerobic oxidation. *RSC Advances*, **2014**, 4, 55028-55035	3.7	28
94	Sol□gel synthesis, characterization and catalytic property of silicas modified with oxomolybdenum complexes. *Journal of Molecular Catalysis A*, **2005**, 241, 8-14		28
93	Shape-Stabilized Phase Change Materials Based on Stearic Acid and Mesoporous Hollow SiO2 Microspheres (SA/SiO2) for Thermal Energy Storage. *European Journal of Inorganic Chemistry*, **2017**, 2017, 2138-2143	2.3	27
92	Design and Synthesis of an Au@MIL-53(NH2) Catalyst for a One-Pot Aerobic Oxidation/Knoevenagel Condensation Reaction. *European Journal of Inorganic Chemistry*, **2015**, 2015, 5099-5105	2.3	27
91	Phase Change Materials for Electro-Thermal Conversion and Storage: From Fundamental Understanding to Engineering Design. *IScience*, **2020**, 23, 101208	6.1	26

90	Preparation of hollow multiple-Ag-nanoclustes-C-shell nanostructures and their catalytic properties. *Applied Catalysis B: Environmental*, **2016**, 180, 13-19	21.8	25
89	Synthesis and Characterization of Paraffin/Metal Organic Gel Derived Porous Carbon/Boron Nitride Composite Phase Change Materials for Thermal Energy Storage. *European Journal of Inorganic Chemistry*, **2018**, 2018, 5167-5175	2.3	25
88	A Dual Role of Graphene Oxide Sheet Deposition on Titanate Nanowire Scaffolds for Osteo-implantation: Mechanical Hardener and Surface Activity Regulator. *Scientific Reports*, **2015**, 5, 18266	4.9	24
87	SO3H-functionalized metal organic frameworks: an efficient heterogeneous catalyst for the synthesis of quinoxaline and derivatives. *RSC Advances*, **2016**, 6, 35135-35143	3.7	24
86	One-Pot Fabrication of Hierarchical Nanosheet-Based TiO2 -Carbon Hollow Microspheres for Anode Materials of High-Rate Lithium-Ion Batteries. *Chemistry - A European Journal*, **2016**, 22, 6031-6	4.8	23
85	Controlled Synthesis of 3D Flower-like Ni P Composed of Mesoporous Nanoplates for Overall Water Splitting. *Chemistry - an Asian Journal*, **2017**, 12, 2956-2961	4.5	23
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83	One-step modified method for a highly efficient Au□PANI@TiO2 visible-light photocatalyst. *New Journal of Chemistry*, **2016**, 40, 8587-8592	3.6	22
82	Imparting magnetic functionality to iron-based MIL-101 via facile Fe3O4 nanoparticle encapsulation: an efficient and recoverable catalyst for aerobic oxidation. *RSC Advances*, **2015**, 5, 78962-78970	3.7	21
81	Vacuum-Dried Synthesis of Low-Density Hydrophobic Monolithic Bridged Silsesquioxane Aerogels for Oil/Water Separation: Effects of Acid Catalyst and Its Excellent Flexibility. *ACS Applied Nano Materials*, **2018**, 1, 933-939	5.6	21
80	Effect of surface properties of SBA-15 on confined Ag nanomaterials via double solvent technique. *Microporous and Mesoporous Materials*, **2011**, 144, 171-175	5.3	21
79	Ce1□CrxO2□Nanocrystals as Efficient Catalysts for the Selective Oxidation of Cyclohexane to KA Oil at Low Temperature under Ambient Pressure. *ChemCatChem*, **2018**, 10, 1406-1413	5.2	21
78	Cobalt-tuned nickel phosphide nanoparticles for highly efficient electrocatalysis. *Applied Surface Science*, **2019**, 479, 1254-1261	6.7	20
77	Review of recent research work on CeO2-based electrocatalysts in liquid-phase electrolytes. *Journal of Power Sources*, **2020**, 480, 229091	8.9	20
76	Imine-linked micron-network polymers with high polyethylene glycol uptake for shaped-stabilized phase change materials. *RSC Advances*, **2016**, 6, 44807-44813	3.7	20
75	Hierarchical □Ni(OH) Composed of Ultrathin Nanosheets with Controlled Interlayer Distances and Their Enhanced Catalytic Performance. *ACS Applied Materials & Interfaces*, **2017**, 9, 20476-20483	9.5	19
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73	Shape-stabilized phase-change materials supported by eggplant-derived porous carbon for efficient solar-to-thermal energy conversion and storage. *Sustainable Energy and Fuels*, **2020**, 4, 1764-1772	5.8	19

72	Fabrication of hierarchical composite microspheres of copper-doped Fe3O4@P4VP@ZIF-8 and their application in aerobic oxidation. *New Journal of Chemistry*, **2016**, 40, 10127-10135	3.6	18
71	3D Hydrangea Macrophylla-like Nickel-Vanadium Metal-Organic Frameworks Formed by Self-Assembly of Ultrathin 2D Nanosheets for Overall Water Splitting. *ACS Applied Materials & Interfaces*, **2020**, 12, 48495-48510	9.5	18
70	Particulate Anion Sorbents as Electrolyte Additives for Lithium Batteries. *Advanced Functional Materials*, **2020**, 30, 2003055	15.6	18
69	Porous organic□inorganic hybrid xerogels for stearic acid shape-stabilized phase change materials. *New Journal of Chemistry*, **2017**, 41, 1790-1797	3.6	17
68	3D Self-Supported Porous NiO@NiMoO Core-Shell Nanosheets for Highly Efficient Oxygen Evolution Reaction. *Inorganic Chemistry*, **2019**, 58, 6758-6764	5.1	17
67	Cold sintered LiMgPO4 based composites for low temperature co-fired ceramic (LTCC) applications. *Journal of the American Ceramic Society*, **2020**, 103, 6237-6244	3.8	17
66	Metal-Organic Framework-based Phase Change Materials for Thermal Energy Storage. *Cell Reports Physical Science*, **2020**, 1, 100218	6.1	17
65	Thermal conductivity of silica nanoparticle powder: Measurement and theoretical analysis. *European Physical Journal Plus*, **2015**, 130, 1	3.1	16
64	A Two-Dimensional, Hydrogen-Bond-Cross-Linked Molybdenum(VI) Network Polymer with Catalytic Activity. *European Journal of Inorganic Chemistry*, **2007**, 2007, 1215-1218	2.3	16
63	Large electrostrain in low-temperature sintered NBT-BT-0.025FN incipient piezoceramics. *Journal of the American Ceramic Society*, **2020**, 103, 3739-3747	3.8	15
62	Nanocrystalline CeO2□coated □MnO2 nanorods with enhanced oxygen transfer property. *Applied Surface Science*, **2018**, 440, 20-28	6.7	14
61	NiO promoted CuO□NiO/SBA-15 composites as highly active catalysts for epoxidation of olefins. *New Journal of Chemistry*, **2016**, 40, 8543-8548	3.6	14
60	Electric field-induced irreversible relaxor to ferroelectric phase transformations in Na0.5Bi0.5TiO3-NaNbO3 ceramics. *Journal of the American Ceramic Society*, **2019**, 102, 7746-7754	3.8	14
59	Oriented immobilization of Au nanoparticles on C@P4VP core□shell microspheres and their catalytic performance. *New Journal of Chemistry*, **2015**, 39, 2949-2955	3.6	14
58	Atomically dispersed ruthenium sites on whisker-like secondary microstructure of porous carbon host toward highly efficient hydrogen evolution. *Journal of Materials Chemistry A*, **2020**, 8, 3203-3210	13	14
57	In-situ derived graphene from solid sodium acetate for enhanced photothermal conversion, thermal conductivity, and energy storage capacity of phase change materials. *Solar Energy Materials and Solar Cells*, **2020**, 205, 110269	6.4	14
56	Cold sintering of microwave dielectric ceramics and devices. *Journal of Materials Research*, **2021**, 36, 333-349	2.5	14
55	Roadmap on inorganic perovskites for energy applications. *JPhys Energy*, **2021**, 3, 031502	4.9	13

54	Hierarchical nitrogen-doped porous carbon incorporating cobalt nanocrystal sites for nitrophenol reduction. *Chemical Engineering Science*, **2020**, 217, 115525	4.4	12
53	A fast synthesis of hierarchical yolk–shell copper hydroxysulfates at room temperature with adjustable sizes. *CrystEngComm*, **2014**, 16, 2520	3.3	12
52	Better lithium-ion storage materials made through hierarchical assemblies of active nanorods and nanocrystals. *Journal of Materials Chemistry A*, **2014**, 2, 17536-17544	13	12
51	Approaching Theoretical Capacities in Thick Lithium Vanadium Phosphate Electrodes at High Charge/Discharge Rates. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 15608-15617	8.3	12
50	Experimental Study on Thermal Conductivity and Hardness of Cu and Ni Nanoparticle Packed Bed for Thermoelectric Application. *Nanoscale Research Letters*, **2017**, 12, 189	5	11
49	Effect of metal species on the morphology of metal (oxides) within mesochannels of SBA-15 via a double-solvent method. *Microporous and Mesoporous Materials*, **2015**, 207, 105-110	5.3	11
48	Constructing a Hetero-interface Composed of Oxygen Vacancy-Enriched Co3O4 and Crystalline–Amorphous NiFe-LDH for Oxygen Evolution Reaction. *ACS Catalysis*, **2021**, 11, 14338-14351	13.1	11
47	Network Structural CNTs Penetrate Porous Carbon Support for Phase-Change Materials with Enhanced Electro-Thermal Performance. *Advanced Electronic Materials*, **2020**, 6, 1901428	6.4	11
46	Carbon inserted defect-rich MoS nanosheets@CdSnanospheres for efficient photocatalytic hydrogen evolution under visible light irradiation. *Journal of Colloid and Interface Science*, **2020**, 569, 89-100	9.3	10
45	Difference between Metal-S and Metal-O Bond Orders: A Descriptor of Oxygen Evolution Activity for Isolated Metal Atom-Doped MoS Nanosheets. *IScience*, **2019**, 20, 481-488	6.1	10
44	Effect of partial substitution of Ca in LaMnO3 on coal catalytic combustion. *Journal of Thermal Analysis and Calorimetry*, **2013**, 112, 719-726	4.1	10
43	Two hydrogen-bond-cross-linked molybdenum (VI) network polymers: synthesis, crystal structures and cyclooctene epoxidation with H2O2. *Structural Chemistry*, **2009**, 20, 869-876	1.8	9
42	Conjugated polymer coated MIL-125(Ti) as an efficient photocatalyst for selective oxidation of benzylic CH bond under visible light. *Applied Surface Science*, **2021**, 555, 149732	6.7	9
41	Vacuum-dried flexible hydrophobic aerogels using bridged methylsiloxane as reinforcement: performance regulation with alkylorthosilicate or alkyltrimethoxysilane co-precursors. *New Journal of Chemistry*, **2019**, 43, 2204-2212	3.6	8
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39	Encapsulation of lauric acid in reduced graphene-N-doped porous carbon supporting scaffold for multi-functional phase change composites. *Renewable Energy*, **2021**, 170, 661-668	8.1	8
38	Cu@Cu P Core-Shell Nanowires Attached to Nickel Foam as High-Performance Electrocatalysts for the Hydrogen Evolution Reaction. *Chemistry - A European Journal*, **2019**, 25, 1083-1089	4.8	8
37	Highly dispersed Pt clusters encapsulated in MIL-125-NH2 via in situ auto-reduction method for photocatalytic H2 production under visible light. *Nano Research*, **2021**, 14, 4250	10	8

36	In-situ Self-transformation Synthesis of N-doped Carbon Coating Paragenetic Anatase/Rutile Heterostructure with Enhanced Photocatalytic CO2 Reduction Activity. *ChemCatChem*, **2020**, 12, 3274-3284	5.2	7
35	One-step fabrication of 3D hierarchical Ni-incorporated Co(OH)2 assembled by 2D center disk and 1D length-tunable brush. *RSC Advances*, **2013**, 3, 2604	3.7	7
34	Recent advances in Metal-Organic Frameworks-based materials for photocatalytic selective oxidation. *Coordination Chemistry Reviews*, **2022**, 450, 214240	23.2	7
33	Constructing accelerated charge transfer channels along V-Co-Fe via introduction of V into CoFe-layered double hydroxides for overall water splitting. *Applied Catalysis B: Environmental*, **2021**, 298, 120587	21.8	7
32	CeO2Modified CuFe2O4 with Enhanced Oxygen Transfer as Efficient Catalysts for Selective Oxidation of Fluorene under Mild Conditions. *European Journal of Inorganic Chemistry*, **2019**, 2019, 91-97	2.3	6
31	The reinforced photothermal effect of conjugated dye/graphene oxide-based phase change materials: Fluorescence resonance energy transfer and applications in solar-thermal energy storage. *Chemical Engineering Journal*, **2022**, 428, 130605	14.7	6
30	Synthesis of N-TiO2@NH2-MIL-88(Fe) Core-shell Structure for Efficient Fenton Effect Assisted Methylene Blue Degradation Under Visible Light. *Chemical Research in Chinese Universities*, **2020**, 36, 1068-1075	2.2	5
29	Prediction of Thermal Conductivity of Aluminum Nanocluster-Filled Mesoporous Silica (Al/MCM-41). *International Journal of Thermophysics*, **2013**, 34, 2371-2384	2.1	5
28	Electrically induced and thermally erased properties of side-chain liquid crystalline polymer/liquid crystal/chiral dopant composites. *Liquid Crystals*, **2007**, 34, 949-954	2.3	5
27	A simple chemical approach to the production of nano-sized crystals of poly(acrylic acid). *Polymer International*, **2006**, 55, 1456-1461	3.3	5
26	Boosting photocatalytic hydrogen evolution: Orbital redistribution of ultrathin ZnIn2S4 nanosheets via atomic defects. *Applied Catalysis B: Environmental*, **2022**, 305, 121007	21.8	5
25	Engineering attractive interaction in ZIF-based phase change materials for boosting electro- and photo- driven thermal energy storage. *Chemical Engineering Journal*, **2022**, 430, 133007	14.7	5
24	Approach toward nanoplate poly(styrene sulfate): synthesis of nano-polymers with special morphology by using Ldhs as template. *Journal of Nanoscience and Nanotechnology*, **2005**, 5, 917-22	1.3	4
23	Influence of Nanopore Shapes on Thermal Conductivity of Two-Dimensional Nanoporous Material. *Nanoscale Research Letters*, **2016**, 11, 430	5	4
22	High-energy storage performance in BaTiO3-based lead-free multilayer ceramic capacitors. *Journal of Materials Research*, **2021**, 36, 1285-1294	2.5	4
21	Construction of 2D MOFs@reduced Graphene Oxide Nanocomposites with Enhanced Visible Light-induced Fenton-like Catalytic Performance by Seeded Growth Strategy. *ChemCatChem*, **2019**, 11, 4411-4419	5.2	3
20	Thermo-enhanced photocatalytic oxidation of amines to imines over MIL-125-NH@Ag@COF hybrids under visible light. *Nanoscale*, **2021**, 13, 19671-19681	7.7	3
19	Fabrication and Elastic Properties of TiO Nanohelix Arrays through a Pressure-Induced Hydrothermal Method. *ACS Nano*, **2021**, 15, 14174-14184	16.7	3

18	The marriage of two-dimensional materials and phase change materials for energy storage, conversion and applications. *EnergyChem*, **2022**, 4, 100071	36.9	3
17	Metal-organic framework derived magnetic phase change nanocage for fast-charging solar-thermal energy conversion. *Nano Energy*, **2022**, 99, 107383	17.1	3
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15	Surface Cavity Microenvironments in a Porous Ceramic Radiant Gas Burner. *Combustion Science and Technology*, **1993**, 95, 277-311	1.5	2
14	Metalloporphyrin-Decorated Titanium Dioxide Nanosheets for Efficient Photocatalytic Carbon Dioxide Reduction. *Inorganic Chemistry*, **2021**, 60, 18337-18346	5.1	2
13	Advanced 3D-printed phase change materials. *Matter*, **2021**, 4, 3374-3376	12.7	2
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11	In situ semi-sacrificial template-assisted growth of ultrathin metal-organic framework nanosheets for electrocatalytic oxygen evolution. *Chemical Engineering Journal*, **2021**, 426, 131348	14.7	2
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