

Dan Liu

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.

201
papers

5,922
citations

40
h-index

67
g-index

211
ext. papers

7,259
ext. citations

7.4
avg, IF

6.14
L-index

#	Paper	IF	Citations
201	Highly efficient recovery of hydrogen from dilute H ₂ -streams using BaCe _{0.7} Zr _{0.1} Y _{0.2} O _{3-δ} /Ni-BaCe _{0.7} Zr _{0.1} Y _{0.2} O _{3-δ} dual-layer hollow fiber membrane. <i>Separation and Purification Technology</i> , 2022 , 287, 120602	8.3	0
200	Multi-elemental doped g-C ₃ N ₄ with enhanced visible light photocatalytic Activity: Insight into naproxen Degradation, Kinetics, effect of Electrolytes, and mechanism. <i>Separation and Purification Technology</i> , 2022 , 282, 120089	8.3	7
199	Temperature-controlled ultra-high hydrogen evolution photocatalytic activity of cadmium sulfide without cocatalysts. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 366-377	9.3	0
198	Rational design of efficient visible-light photocatalysts (1D@2D/0D) ZnO@Ni-doped BiOBr/Bi heterojunction: Considerations on hierarchical structures, doping and SPR effect. <i>Journal of Materials Science and Technology</i> , 2022 ,	9.1	1
197	Ionic liquid-assisted preparation of N, S-rich carbon dots as efficient corrosion inhibitors. <i>Journal of Molecular Liquids</i> , 2022 , 356, 118943	6	0
196	Ag-induced anatase-rutile TiO ₂ heterojunction facilitating the photogenerated carrier separation in visible-light irradiation. <i>Journal of Alloys and Compounds</i> , 2022 , 909, 164815	5.7	4
195	Effective promotion of spacial charge separation of dual S-scheme (1D/2D/0D) WO ₃ @ZnIn ₂ S ₄ /Bi ₂ S ₃ heterojunctions for enhanced photocatalytic performance under visible light. <i>Separation and Purification Technology</i> , 2021 , 284, 120207	8.3	3
194	Asymmetric and Halogenated Fused-Ring Electron Acceptor for Efficient Organic Solar Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2102189	15.6	16
193	Nitrogen-doped carbon dots as high-effective inhibitors for carbon steel in acidic medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 616, 126280	5.1	16
192	Catalyst-Support interactions enhanced electrochemical nitrogen reduction on Au/ZrO ₂ . <i>Electrochimica Acta</i> , 2021 , 381, 138222	6.7	3
191	Stability Of Non-Fullerene Electron Acceptors and Their Photovoltaic Devices. <i>Advanced Functional Materials</i> , 2021 , 31, 2104552	15.6	12
190	Solid-state fabrication of CNT-threaded Fe _{1-x} S@N-doped carbon composite as high-rate anodes for sodium-ion batteries and hybrid capacitors. <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159303	5.7	1
189	Activating the hydrogen evolution activity of Pt electrode via synergistic interaction with NiS. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 591-597	9.3	10
188	Synthesis of Bi ₅ O ₇ I-MoO ₃ photocatalyst via simultaneous calcination of BiOI and MoS ₂ for visible light degradation of ibuprofen. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 612, 126004	5.1	15
187	Protic/aprotic ionic liquids for effective CO separation using supported ionic liquid membrane. <i>Chemosphere</i> , 2021 , 267, 128894	8.4	15
186	Promoting effect of PdZn alloy for selective hydrogenation of 5-hydroxymethylfurfural: An experimental and density functional theory study. <i>International Journal of Quantum Chemistry</i> , 2021 , 121, e26545	2.1	0
185	Bilayer broadband antireflective coating to achieve planar heterojunction perovskite solar cells with 23.9% efficiency. <i>Science China Materials</i> , 2021 , 64, 789-797	7.1	4

184	Simultaneously Enhanced Efficiency and Operational Stability of Nonfullerene Organic Solar Cells via Solid-Additive-Mediated Aggregation Control. <i>Small</i> , 2021 , 17, e2102558	11	13
183	Efficient Hole Transfer via CsPbBr ₃ Quantum Dots Doping toward High-Performance Organic Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2100499	7.1	1
182	In situ generated silver nanoparticles embedded in polyethersulfone nanostructured membranes (Ag/PES) for antimicrobial decontamination of water. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 3185	3.5	0
181	Tuning of the Interconnecting Layer for Monolithic Perovskite/Organic Tandem Solar Cells with Record Efficiency Exceeding 21. <i>Nano Letters</i> , 2021 , 21, 7845-7854	11.5	8
180	Ag ₂ BiI ₅ Perovskite Quantum Dots Passivated with Oleylamine Sulfide for Solar Cells and Detection of Cu(II) Ions. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9895-9903	5.6	1
179	Fabrication of a La-doped BiVO ₄ @CN step-scheme heterojunction for effective tetracycline degradation with dual-enhanced molecular oxygen activation. <i>Separation and Purification Technology</i> , 2021 , 277, 119224	8.3	6
178	Construction of urchin-structured Fe ₂ O ₃ microspheres supported potassium for diesel soot catalytic elimination. <i>Fuel</i> , 2021 , 306, 121661	7.1	2
177	Cobalt oxide/copper bismuth oxide/samarium vanadate (CoO/CuBiO/SmVO) dual Z-scheme heterostructured photocatalyst with high charge-transfer efficiency: Enhanced carbamazepine degradation under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2021 , 603, 666-684	9.3	12
176	Ultrathin NiFeS Nanomeshes with Sulfur Vacancy for Electrocatalytic Hydrogen Evolution. <i>ChemElectroChem</i> , 2020 , 7, 2199-2204	4.3	4
175	Dopant-free polymeric hole transport materials for efficient CsPbI ₂ Br perovskite cells with a fill factor exceeding 84%. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 8507-8514	7.1	12
174	Modulation of J-Aggregation of Nonfullerene Acceptors toward Near-Infrared Absorption and Enhanced Efficiency. <i>Macromolecules</i> , 2020 , 53, 3747-3755	5.5	24
173	Towards understanding corrosion inhibition of sulfonate/carboxylate functionalized ionic liquids: An experimental and theoretical study. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 315-329	9.3	20
172	One-step hydrothermal fabrication of SrMoO ₄ /MoS ₂ composites with strong interfacial contacts for efficient photoreduction removal of Cr(VI). <i>CrystEngComm</i> , 2020 , 22, 4489-4499	3.3	6
171	Preparation of carbon-coated brookite@anatase TiO heterophase junction nanocables with enhanced photocatalytic performance. <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 966-975	4.2	1
170	Insights into the Synergistic Effect in Pd Immobilized to MOF-Derived Co-CoOx@N-Doped Carbon for Efficient Selective Hydrogenolysis of 5-Hydroxymethylfurfural. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6532-6542	3.9	9
169	Spectral Tuning of Efficient CsPbBr ₃ Cl ₃ Blue Light-Emitting Diodes via Halogen Exchange Triggered by Benzenesulfonates. <i>Chemistry of Materials</i> , 2020 , 32, 3211-3218	9.6	32
168	Plasmonic Ag ₃ PO ₄ /EG photoanode for visible light-driven photoelectrocatalytic degradation of diuretic drug. <i>Chemical Engineering Journal</i> , 2020 , 393, 124804	14.7	21
167	Evaporation-induced formation of hollow bismuth@N-doped carbon nanorods for enhanced electrochemical potassium storage. <i>Applied Surface Science</i> , 2020 , 514, 145947	6.7	26

166	Deep insights into enhanced direct-desulfurization selectivity of thiourea-modified CoMoP/BAl ₂ O ₃ : An investigation of catalyst microstructures. <i>Fuel</i> , 2020 , 267, 116993	7.1	4
165	An Experimental Study on the Effects of Atomized Rain of a High Velocity Waterjet to Downstream Area in Low Ambient Pressure Environment. <i>Water (Switzerland)</i> , 2020 , 12, 397	3	0
164	Fluorinated solid additives enable high efficiency non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4230-4238	13	30
163	Non-fullerene acceptor fibrils enable efficient ternary organic solar cells with 16.6% efficiency. <i>Science China Chemistry</i> , 2020 , 63, 1461-1468	7.9	25
162	Insight into l-cysteine-assisted growth of Cu ₂ S nanoparticles on exfoliated MoS ₂ nanosheets for effective photoreduction removal of Cr(VI). <i>Applied Surface Science</i> , 2020 , 518, 146191	6.7	16
161	Inhibition effect of monomeric/polymerized imidazole zwitterions as corrosion inhibitors for carbon steel in acid medium. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113436	6	19
160	Aggregation of non-fullerene acceptors in organic solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15607-15619	13	51
159	A synergistic modification of polypropylene separator toward stable lithium-sulfur battery. <i>Journal of Membrane Science</i> , 2020 , 597, 117646	9.6	25
158	Hollow Bi ₂ O ₃ @CeO ₂ heterostructure microsphere with controllable crystal phase for efficient photocatalysis. <i>Chemical Engineering Journal</i> , 2020 , 387, 124100	14.7	39
157	Air-stable red phosphorus anode for potassium/sodium-ion batteries enabled through dual-protection design. <i>Nano Energy</i> , 2020 , 69, 104451	17.1	42
156	Thiophene Terminated Fullerene Derivatives for Interfacial Modification toward High Efficiency MAPbI ₃ Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9824-9832	6.1	7
155	Hydrothermal carbon-supported Ni catalysts for selective hydrogenation of 5-hydroxymethylfurfural toward tunable products. <i>Journal of Materials Science</i> , 2020 , 55, 14179-14196	4.3	9
154	3D Coral-like LLZO/PVDF Composite Electrolytes with Enhanced Ionic Conductivity and Mechanical Flexibility for Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 52652-52659	9.5	28
153	One-step conversion of syngas to hydrocarbons and ethers over ZIF-8 derived ZnO coupling HZSM-5. <i>Journal of Fuel Chemistry and Technology</i> , 2020 , 48, 698-703	1.8	0
152	Multifunctional Polypropylene Separator via Cooperative Modification and Its Application in the Lithium-Sulfur Battery. <i>Langmuir</i> , 2020 , 36, 11147-11153	4	11
151	Stable Lead-Free Silver Bismuth Iodide Perovskite Quantum Dots for UV Photodetection. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9141-9150	5.6	13
150	Self-assembled N-doped carbon with a tube-in-tube nanostructure for lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2020 , 559, 244-253	9.3	11
149	High performance lithium-ion and lithium-sulfur batteries using prelithiated phosphorus/carbon composite anode. <i>Energy Storage Materials</i> , 2020 , 24, 147-152	19.4	35

148	Chlorinated Fullerene Dimers for Interfacial Engineering Toward Stable Planar Perovskite Solar Cells with 22.3% Efficiency. <i>Advanced Energy Materials</i> , 2020 , 10, 2000615	21.8	42
147	13.9% Efficiency Ternary Nonfullerene Organic Solar Cells Featuring Low-Structural Order. <i>ACS Energy Letters</i> , 2019 , 4, 2378-2385	20.1	42
146	Synthesis of MOF-74-derived carbon/ZnCo ₂ O ₄ nanoparticles@CNT-nest hybrid material and its application in lithium ion batteries. <i>Journal of Applied Electrochemistry</i> , 2019 , 49, 1103-1112	2.6	8
145	Molecular Ordering and Performance of Ternary Nonfullerene Organic Solar Cells via Bar-Coating in Air with an Efficiency over 13. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35827-35834	9.5	14
144	Contrasting Effects of Organic Chloride Additives on Performance of Direct and Inverted Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37833-37841	9.5	10
143	Morphology-tunable & template-free fabrication of MoS ₂ nanostructures with enhanced photoreduction activities for Cr(VI). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 373, 176-181	4.7	9
142	TDI/TiO Hybrid Networks for Superhydrophobic Coatings with Superior UV Durability and Cation Adsorption Functionality. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7488-7497	9.5	19
141	Influences of Non-fullerene Acceptor Fluorination on Three-Dimensional Morphology and Photovoltaic Properties of Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26194-26203	9.5	33
140	Regulating the morphology of fluorinated non-fullerene acceptor and polymer donor via binary solvent mixture for high efficiency polymer solar cells. <i>Science China Chemistry</i> , 2019 , 62, 1221-1229	7.9	23
139	A hybrid supercapacitor constructed by graphene wrapped ordered meso-porous Si based electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 576, 15-21	5.1	3
138	Task-specific ionic liquids as corrosion inhibitors on carbon steel in 0.5 M HCl solution: An experimental and theoretical study. <i>Corrosion Science</i> , 2019 , 153, 301-313	6.8	89
137	Evolution of molecular aggregation in bar-coated non-fullerene organic solar cells. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1062-1070	7.8	19
136	A single-step fabrication of CoTe ₂ nanofilm electrode toward efficient overall water splitting. <i>Electrochimica Acta</i> , 2019 , 307, 451-458	6.7	26
135	Improved Performance of Perovskite Light-Emitting Diodes by Dual Passivation with an Ionic Additive. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3336-3342	6.1	13
134	Ligand-Exchange of Low-Temperature Synthesized CsPbBr ₃ Perovskite toward High-Efficiency Light-Emitting Diodes. <i>Small Methods</i> , 2019 , 3, 1800489	12.8	23
133	A polar-hydrophobic ionic liquid induces grain growth and stabilization in halide perovskites. <i>Chemical Communications</i> , 2019 , 55, 11059-11062	5.8	19
132	Hydrogen ion supercapacitor cell construction and rational design of cell structure. <i>International Journal of Energy Research</i> , 2019 , 43, 8439	4.5	1
131	Methylammonium-Mediated Crystallization of Cesium-Based 2D/3D Perovskites toward High-Efficiency Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43452-43459	9.5	6

130	Chemical Prelithiation of Negative Electrodes in Ambient Air for Advanced Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8699-8703	9.5	43
129	Electrochemical hydrogen storage in iron nitrogen dual-doped ordered mesoporous carbon. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7326-7336	6.7	8
128	Formation of thin layer graphite wrapped meso-porous SiO _x and its lithium storage application. <i>Ceramics International</i> , 2019 , 45, 24707-24716	5.1	4
127	Enhancing the efficiency of PTB7-Th:CO ₈ DFIC-based ternary solar cells with versatile third components. <i>Applied Physics Reviews</i> , 2019 , 6, 041405	17.3	15
126	Mesoporous silica hybrids as an antireflective coating to enhance light harvesting and achieve over 16% efficiency of organic solar cells. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14962-14969	7.1	7
125	Lithium ion supercapacitor composed by Si-based anode and hierarchal porous carbon cathode with super long cycle life. <i>Applied Surface Science</i> , 2019 , 463, 879-888	6.7	15
124	Engineering Oxygen Vacancies into LaCoO ₃ Perovskite for Efficient Electrocatalytic Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2906-2910	8.3	61
123	Trace carbon-hybridized ZnS/ZnO hollow nanospheres with multi-enhanced visible-light photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2019 , 775, 481-489	5.7	38
122	Corrosion inhibition effects of a novel ionic liquid with and without potassium iodide for carbon steel in 0.5 M HCl solution: An experimental study and theoretical calculation. <i>Journal of Molecular Liquids</i> , 2019 , 275, 729-740	6	33
121	MnO ₂ -Mediated Synthesis of Mn ₃ O ₄ @CaMn ₇ O ₁₂ Core@Shell Nanorods for Electrocatalytic Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2019 , 6, 618-622	4.3	3
120	Reduced graphene-oxide/highly ordered mesoporous SiO _x hybrid material as an anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2018 , 273, 26-33	6.7	32
119	A novel route for synthesis of NiCoP/SiO ₂ hydrodesulfurization catalysts with active S species. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4306	3.1	
118	SnO ₂ Functionalized Polyethylene Separator with Enhanced Thermal Stability for High Performance Lithium Ion Battery. <i>ChemistrySelect</i> , 2018 , 3, 911-916	1.8	28
117	Size Dependence of Vapor Phase Hydrodeoxygenation of m-Cresol on Ni/SiO ₂ Catalysts. <i>ACS Catalysis</i> , 2018 , 8, 1672-1682	13.1	94
116	Self-Healing Liquid Metal and Si Composite as a High-Performance Anode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1395-1399	6.1	46
115	Ionic Additive Engineering Toward High-Efficiency Perovskite Solar Cells with Reduced Grain Boundaries and Trap Density. <i>Advanced Functional Materials</i> , 2018 , 28, 1801985	15.6	101
114	Confined phosphorus in carbon nanotube-backboned mesoporous carbon as superior anode material for sodium/potassium-ion batteries. <i>Nano Energy</i> , 2018 , 52, 1-10	17.1	120
113	Toward the Insights into Fast CO ₂ Absorption over Novel Nanostructured MgO-Based Sorbent. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10591-10600	3.9	4

112	Synthesis, performance and action mechanism of carbon black/Ag ₃ PO ₄ photocatalysts. <i>Ceramics International</i> , 2018 , 44, 13712-13719	5.1	16
111	Environmentally durable superhydrophobic surfaces with robust photocatalytic self-cleaning and self-healing properties prepared via versatile film deposition methods. <i>Journal of Colloid and Interface Science</i> , 2018 , 527, 107-116	9.3	52
110	Improved efficiency in fullerene and non-fullerene polymer solar cells having an interdigitated interface with the electron transport layer. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1859-1865	7.8	6
109	Dual carbon-protected metal sulfides and their application to sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13294-13301	13	46
108	Correlating Three-dimensional Morphology With Function in PBDB-T:IT-M Non-Fullerene Organic Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1800114	7.1	39
107	Self-Assembled Metal Zinc Three-Dimensional Microstructures at Room Temperature. <i>Crystal Research and Technology</i> , 2018 , 53, 1700148	1.3	
106	The impacts of Pbl ₂ purity on the morphology and device performance of one-step spray-coated planar heterojunction perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 436-443	5.8	23
105	Process intensification of transesterification for biodiesel production from palm oil: Microwave irradiation on transesterification reaction catalyzed by acidic imidazolium ionic liquids. <i>Energy</i> , 2018 , 144, 957-967	7.9	61
104	Contrasting Effects of Energy Transfer in Determining Efficiency Improvements in Ternary Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1704212	15.6	49
103	Perovskite Solar Cells: Ionic Additive Engineering Toward High-Efficiency Perovskite Solar Cells with Reduced Grain Boundaries and Trap Density (Adv. Funct. Mater. 34/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870240	15.6	3
102	Insights into catalytic roles of noble-metal-free catalysts CoS for reduction of 4-nitrophenol. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 27730-27734	3.6	13
101	TiO ₂ -nanosheet-assembled microspheres as Pd-catalyst support for highly-stable low-temperature CO oxidation. <i>New Journal of Chemistry</i> , 2018 , 42, 18066-18076	3.6	10
100	Diethylenediamine-assisted template-free synthesis of a hierarchical TiO sphere-in-sphere with enhanced photocatalytic performance. <i>Dalton Transactions</i> , 2018 , 47, 16502-16508	4.3	9
99	Retarding the Crystallization of a Nonfullerene Electron Acceptor for High-Performance Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2018 , 29, 1807662	15.6	33
98	Phosphorus/Carbon Composite Anode for Potassium-Ion Batteries: Insights into High Initial Coulombic Efficiency and Superior Cyclic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16308-16314	8.3	37
97	One-step hydrothermal fabrication of erythrocyte-like ZnS/ZnO composite with superior visible light photocatalytic performance. <i>Materials Letters</i> , 2018 , 228, 305-308	3.3	8
96	Photoinduced in Situ Deposition of Uniform and Well-Dispersed PtO Nanoparticles on ZnO Nanorods for Efficient Catalytic Reduction of 4-Nitrophenol. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23154-23162	9.5	46
95	Correlating Nanoscale Morphology with Device Performance in Conventional and Inverted PffBT4T-2OD:PC71BM Polymer Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 3505-3512	6.1	7

94	Systematic and rapid screening for the redox shuttle inhibitors in lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018 , 282, 687-693	6.7	13
93	Electrochemical hydrogen storage in a nitrogen-doped uniformed microporous carbon. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 14096-14102	6.7	9
92	Self-assembly synthesis of a unique stable cocoon-like hematite @C nanoparticle and its application in lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2017 , 495, 157-167	9.3	19
91	Fabrication of nitrogen doped carbon encapsulated ZnO particle and its application in a lithium ion conversion supercapacitor. <i>Journal of Materials Research</i> , 2017 , 32, 334-342	2.5	9
90	Fe and N Co-doped Carbons Derived from an Ionic Liquid as Active Bifunctional Oxygen Catalysts. <i>ChemElectroChem</i> , 2017 , 4, 1148-1153	4.3	13
89	One-step synthesis of flowerlike C/Fe ₂ O ₃ nanosheet assembly with superior adsorption capacity and visible light photocatalytic performance for dye removal. <i>Carbon</i> , 2017 , 116, 59-67	10.4	32
88	Pt/ZnO@C Nanocable with Dual-Enhanced Photocatalytic Performance and Superior Photostability. <i>Langmuir</i> , 2017 , 33, 4452-4460	4	29
87	Sulfur redox reactions on nanostructured highly oriented pyrolytic graphite (HOPG) electrodes: Direct evidence for superior electrocatalytic performance on defect sites. <i>Carbon</i> , 2017 , 119, 460-463	10.4	2
86	Isobaric vapor-liquid equilibrium for binary system of methyl caprylate+methyl caprate at 2, 6 and 10kPa. <i>Journal of Chemical Thermodynamics</i> , 2017 , 106, 145-152	2.9	12
85	Competition and Cooperation of Hydrogenation and Deoxygenation Reactions during Hydrodeoxygenation of Phenol on Pt(111). <i>Journal of Physical Chemistry C</i> , 2017 , 121, 12249-12260	3.8	40
84	The effects of structural properties on the lithium storage behavior of mesoporous TiO ₂ . <i>Nanotechnology</i> , 2017 , 28, 265401	3.4	3
83	Controlled carbon coating of Fe ₂ O ₃ nanotube with tannic acid: A bio-inspired approach toward high performance lithium-ion battery anode. <i>Journal of Alloys and Compounds</i> , 2017 , 719, 347-352	5.7	20
82	Synthesis, Crystal Structure, and Electrochemical Properties of Alluaudite Na _{1.702} Fe ₃ (PO ₄) ₃ as a Sodium-Ion Battery Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5766-5771	8.3	22
81	Ammonia-Treated Ordered Mesoporous Carbons with Hierarchical Porosity and Nitrogen-Doping for Lithium-Sulfur Batteries. <i>ChemistrySelect</i> , 2017 , 2, 7160-7168	1.8	3
80	Versatile Device Architectures for High-Performing Light-Soaking-Free Inverted Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32678-32687	9.5	17
79	Green Brønsted acid ionic liquids as novel corrosion inhibitors for carbon steel in acidic medium. <i>Scientific Reports</i> , 2017 , 7, 8773	4.9	30
78	Conjugated Small Molecule for Efficient Hole Transport in High-Performance p-i-n Type Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1702613	15.6	109
77	A room-temperature liquid metal-based self-healing anode for lithium-ion batteries with an ultra-long cycle life. <i>Energy and Environmental Science</i> , 2017 , 10, 1854-1861	35.4	140

76	Sodium bromide additive improved film morphology and performance in perovskite light-emitting diodes. <i>Applied Physics Letters</i> , 2017 , 111, 053301	3.4	13
75	Diethylenetriamine-assisted in situ synthesis of TiO ₂ nanoparticles on carbon nanotubes with well-defined structure and enhanced photocatalytic performance. <i>RSC Advances</i> , 2017 , 7, 50216-50224	3.7	6
74	Electrochemical Hydrogen Storage in Facile Synthesized Co@N-Doped Carbon Nanoparticle Composites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41332-41338	9.5	13
73	Highly Efficient Ni-Fe Based Oxygen Evolution Catalyst Prepared by A Novel Pulse Electrochemical Approach. <i>Electrochimica Acta</i> , 2017 , 247, 722-729	6.7	11
72	Magnetically recoverable hierarchical Pt/Fe ₂ O ₃ microflower: Superior catalytic activity and stability for reduction of 4-nitrophenol. <i>Catalysis Communications</i> , 2017 , 100, 214-218	3.2	25
71	Perovskite-type (Ba _{0.15} Sr _{0.85})(B _{0.15} Co _{0.85})O ₃ (B = Ti, Nb) oxides: structural stability, oxygen nonstoichiometry, and oxygen sorption/desorption properties. <i>Ionics</i> , 2017 , 23, 717-724	2.7	4
70	Investigation of the Li-S Battery Mechanism by Real-Time Monitoring of the Changes of Sulfur and Polysulfide Species during the Discharge and Charge. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4326-4332	9.5	55
69	Subcritical ethanol extraction of flavonoids from <i>Moringa oleifera</i> leaf and evaluation of antioxidant activity. <i>Food Chemistry</i> , 2017 , 218, 152-158	8.5	78
68	Chain mobility and film softness mediated protein antifouling at the solid-liquid interface. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 6134-6142	7.3	13
67	Thickness-dependent glass transition temperature and charge mobility in cross-linked polyfluorene thin films. <i>Physical Review E</i> , 2016 , 94, 052503	2.4	10
66	Surface and Interface Modified Thermal, Structural and Charge Transport Properties in Conjugated Polymer Thin Films. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600084	4.6	5
65	Self-assembly of polyhedral oligosilsesquioxane (POSS) into hierarchically ordered mesoporous carbons with uniform microporosity and nitrogen-doping for high performance supercapacitors. <i>Nano Energy</i> , 2016 , 22, 255-268	17.1	80
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