

Dan Liu

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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	Electrochemical Reduction of CO ₂ at Copper Nanofoams. <i>ACS Catalysis</i> , 2014 , 4, 3091-3095	13.1	396
200	Enhanced visible light photocatalytic performance of g-C ₃ N ₄ photocatalysts co-doped with iron and phosphorus. <i>Applied Surface Science</i> , 2014 , 311, 164-171	6.7	286
199	Novel Brønsted acidic ionic liquid as efficient and reusable catalyst system for esterification. <i>Catalysis Communications</i> , 2004 , 5, 473-477	3.2	243
198	Advanced Separators for Lithium-Ion and Lithium-Sulfur Batteries: A Review of Recent Progress. <i>ChemSusChem</i> , 2016 , 9, 3023-3039	8.3	220
197	A simple and efficient method to prepare a phosphorus modified g-C ₃ N ₄ visible light photocatalyst. <i>RSC Advances</i> , 2014 , 4, 21657-21663	3.7	151
196	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
195	Confined phosphorus in carbon nanotube-backed mesoporous carbon as superior anode material for sodium/potassium-ion batteries. <i>Nano Energy</i> , 2018 , 52, 1-10	17.1	120
194	The properties and photocatalytic performance comparison of Fe ³⁺ -doped g-C ₃ N ₄ and Fe ₂ O ₃ /g-C ₃ N ₄ composite catalysts. <i>RSC Advances</i> , 2014 , 4, 24863	3.7	119
193	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
192	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
191	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
190	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
189	One-pot aqueous route to synthesize highly ordered cubic and hexagonal mesoporous carbons from resorcinol and hexamine. <i>Carbon</i> , 2012 , 50, 476-487	10.4	89
188	Adsorption structures of heterocyclic nitrogen compounds over Cu(I)Y zeolite: A first principle study on mechanism of the denitrogenation and the effect of nitrogen compounds on adsorptive desulfurization. <i>Journal of Molecular Catalysis A</i> , 2008 , 291, 17-21		85
187	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
186	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
185	Deep oxidative desulfurization with task-specific ionic liquids: An experimental and computational study. <i>Journal of Molecular Catalysis A</i> , 2010 , 331, 64-70		78

184	Deep Desulfurization of Diesel Fuel by Extraction with Task-Specific Ionic Liquids. <i>Petroleum Science and Technology</i> , 2008 , 26, 973-982	1.4	71
183	Simple hydrothermal synthesis of ordered mesoporous carbons from resorcinol and hexamine. <i>Carbon</i> , 2011 , 49, 2113-2119	10.4	67
182	Highly efficient synthesis of ordered nitrogen-doped mesoporous carbons with tunable properties and its application in high performance supercapacitors. <i>Journal of Power Sources</i> , 2016 , 321, 143-154	8.9	64
181	A novel alternate feeding mode for semi-continuous anaerobic co-digestion of food waste with chicken manure. <i>Bioresource Technology</i> , 2014 , 164, 309-14	11	63
180	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
179	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
178	Dual-doped mesoporous carbon synthesized by a novel nanocasting method with superior catalytic activity for oxygen reduction. <i>Nano Energy</i> , 2016 , 26, 131-138	17.1	57
177	Enhanced supercapacitive performance on TiO ₂ @C coaxial nano-rod array through a bio-inspired approach. <i>Nano Energy</i> , 2015 , 15, 75-82	17.1	55
176	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
175	Synthesis and catalytic properties of mesoporous phosphotungstic acid/SiO ₂ in a self-generated acidic environment by evaporation-induced self-assembly. <i>Materials Research Bulletin</i> , 2007 , 42, 1905-1913	5.1	53
174	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
173	Steaming and washing effect of P/HZSM-5 in catalytic cracking of naphtha. <i>Catalysis Today</i> , 2011 , 164, 154-157	5.3	52
172	Aggregation of non-fullerene acceptors in organic solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15607-15619	13	51
171	The influence of preparation method on the photocatalytic performance of g-C ₃ N ₄ /WO ₃ composite photocatalyst. <i>Ceramics International</i> , 2014 , 40, 11963-11969	5.1	50
170	A Convenient Method to Prepare Novel Rare Earth Metal Ce-Doped Carbon Nitride with Enhanced Photocatalytic Activity Under Visible Light. <i>Bulletin of the Korean Chemical Society</i> , 2015 , 36, 17-23	1.2	49
169	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
168	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
167	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

166	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
165	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
164	13.9% Efficiency Ternary Nonfullerene Organic Solar Cells Featuring Low-Structural Order. <i>ACS Energy Letters</i> , 2019 , 4, 2378-2385	20.1	42
163	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
162	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
161	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
160	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
159	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
158	Nitrogen and sulfur co-doped carbon with three-dimensional ordered macroporosity: An efficient metal-free oxygen reduction catalyst derived from ionic liquid. <i>Journal of Power Sources</i> , 2016 , 323, 90-98	8.9	39
157	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
156	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
155	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
154	Synthesis and properties of visible light responsive g-C ₃ N ₄ /Bi ₂ O ₂ CO ₃ layered heterojunction nanocomposites. <i>RSC Advances</i> , 2015 , 5, 42736-42743	3.7	34
153	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	29.5	33
152	Ordered thiol-functionalized mesoporous silica with macrostructure by true liquid crystal templating route. <i>Microporous and Mesoporous Materials</i> , 2009 , 117, 67-74	5.3	33
151	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
150	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
149	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

148	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
147	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
146	Fluorinated solid additives enable high efficiency non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4230-4238	13	30
145	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
144	Towards understanding the microstructures and hydrocracking performance of sulfided NiW catalysts: Effect of metal loading. <i>Fuel Processing Technology</i> , 2011 , 92, 2320-2327	7.2	30
143	Pt/ZnO@C Nanocable with Dual-Enhanced Photocatalytic Performance and Superior Photostability. <i>Langmuir</i> , 2017 , 33, 4452-4460	4	29
142	Inter-conversion of light olefins on ZSM-5 in catalytic naphtha cracking condition. <i>Catalysis Today</i> , 2014 , 226, 52-66	5.3	29
141	Synthesis of hierarchical fiberlike ordered mesoporous carbons with excellent electrochemical capacitance performance by a strongly acidic aqueous cooperative assembly route. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15447	13	29
140	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
139	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
138	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
137	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
136	Enhancement of Electrochemical Hydrogen Insertion in N-Doped Highly Ordered Mesoporous Carbon. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2370-2374	3.8	26
135	Synthesis and Characterization of Task-Specific Ionic Liquids Possessing Two Brønsted Acid Sites. <i>Synthetic Communications</i> , 2007 , 37, 759-765	1.7	26
134	Synthesis of EVA-g-MAH and its compatibilization effect to PA11/PVC blends. <i>Journal of Materials Science</i> , 2007 , 42, 3398	4.3	26
133	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
132	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
131	Cell adhesion on nanopatterned fibronectin substrates. <i>Soft Matter</i> , 2010 , 6, 5408	3.6	25

130	A synergistic modification of polypropylene separator toward stable lithium-sulfur battery. <i>Journal of Membrane Science</i> , 2020 , 597, 117646	9.6	25
129	Modulation of J-Aggregation of Nonfullerene Acceptors toward Near-Infrared Absorption and Enhanced Efficiency. <i>Macromolecules</i> , 2020 , 53, 3747-3755	5.5	24
128	Deep removal of sulfur from real diesel by catalytic oxidation with halogen-free ionic liquid. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 49-53	2.8	24
127	Oxidative Desulfurization of Diesel Oil Using Mesoporous Phosphotungstic Acid/SiO ₂ as Catalyst. <i>Journal of the Chinese Chemical Society</i> , 2007 , 54, 911-916	1.5	24
126	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
125	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
124	One-Pot Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones Catalyzed by Acidic Ionic Liquids Under Solvent-Free Conditions. <i>Synthetic Communications</i> , 2009 , 39, 3436-3443	1.7	23
123	The impacts of PbI 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
122	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
121	Cold-Aging and Solvent Vapor Mediated Aggregation Control toward 18% Efficiency Binary Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 2000000	21.8	22
120	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
119	Effect of precursor and precipitant concentrations on the catalytic properties of CuO/ZnO/CeO ₂ -ZrO ₂ for methanol steam reforming. <i>Journal of Fuel Chemistry and Technology</i> , 2015 , 43, 1366-1374	1.8	21
118	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
117	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
116	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
115	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
114	Evolution of molecular aggregation in bar-coated non-fullerene organic solar cells. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1062-1070	7.8	19
113	Octa(aminophenyl)silsesquioxane derived nitrogen-doped well-defined nanoporous carbon materials: Synthesis and application for supercapacitors. <i>Electrochimica Acta</i> , 2016 , 194, 143-150	6.7	19

112	A polar-hydrophobic ionic liquid induces grain growth and stabilization in halide perovskites. <i>Chemical Communications</i> , 2019 , 55, 11059-11062	5.8	19
111	Hydrogen ion supercapacitor: a new hybrid configuration of highly dispersed MnO ₂ in porous carbon coupled with nitrogen-doped highly ordered mesoporous carbon with enhanced H-insertion. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22687-94	9.5	19
110	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
109	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
108	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
107	Synthesis, performance and action mechanism of carbon black/Ag ₃ PO ₄ photocatalysts. <i>Ceramics International</i> , 2018 , 44, 13712-13719	5.1	16
106	New Simple Synthesis Route for Decatungstate Hybrids: Novel Thermo-Regulated Phase Transfer Catalysts for Selective Oxidation of Alcohols. <i>Catalysis Letters</i> , 2012 , 142, 1330-1335	2.8	16
105	Clean Synthesis of Adipic Acid by Direct Oxidation of Cyclohexene with H ₂ O ₂ catalysed by Na ₂ WO ₄ ·2H ₂ O and Acidic Ionic Liquids. <i>Journal of Chemical Research</i> , 2005 , 2005, 520-522	0.6	16
104	Asymmetric and Halogenated Fused-Ring Electron Acceptor for Efficient Organic Solar Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2102189	15.6	16
103	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
102	Enhancing the efficiency of PTB7-Th:CO ₂ DFIC-based ternary solar cells with versatile third components. <i>Applied Physics Reviews</i> , 2019 , 6, 041405	17.3	15
101	Lithium ion supercapacitor composed by Si-based anode and hierarchical porous carbon cathode with super long cycle life. <i>Applied Surface Science</i> , 2019 , 463, 879-888	6.7	15
100	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
99	Protic/aprotic ionic liquids for effective CO separation using supported ionic liquid membrane. <i>Chemosphere</i> , 2021 , 267, 128894	8.4	15
98	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
97	Highly ordered 3D macroporous scaffold supported Pt/C oxygen electrodes with superior gas-proton transportation properties and activities for fuel cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15001-15007	13	14
96	Oxidation of dibenzothiophene catalyzed by Na ₂ WO ₄ in a halogen-free ionic liquid. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011 , 104, 111-123	1.6	14
95	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

94	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
93	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
92	Sodium bromide additive improved film morphology and performance in perovskite light-emitting diodes. <i>Applied Physics Letters</i> , 2017 , 111, 053301	3.4	13
91	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
90	Cyclotrimerization of an aliphatic aldehyde catalyzed by acidic ionic liquid. <i>Reaction Kinetics and Catalysis Letters</i> , 2007 , 90, 35-43		13
89	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
88	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
87	Systematic and rapid screening for the redox shuttle inhibitors in lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018 , 282, 687-693	6.7	13
86	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
85	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
84	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
83	Preparation and structural characterization of nanocrystalline poly(vinyl chloride). <i>Journal of Applied Polymer Science</i> , 2004 , 91, 563-569	2.9	12
82	Stability Of Non-Fullerene Electron Acceptors and Their Photovoltaic Devices. <i>Advanced Functional Materials</i> , 2021 , 31, 2104552	15.6	12
81	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
80	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
79	Oxidative Aromatization of Hantzsch 1,4-Dihydropyridines Catalyzed by Ferric Perchlorate in Ionic Liquids with Air. <i>Synthetic Communications</i> , 2010 , 40, 1004-1008	1.7	11
78	A nanoparticle assembly method for the production of crystalline ordered mesoporous titanium oxide/carbon composites. <i>Microporous and Mesoporous Materials</i> , 2011 , 139, 87-93	5.3	11
77	An alternative approach to the modification of talc for the fabrication of polypropylene/talc composites. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 386-393	2.9	11

76	Multifunctional Polypropylene Separator via Cooperative Modification and Its Application in the Lithium-Sulfur Battery. <i>Langmuir</i> , 2020 , 36, 11147-11153	4	11
75	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
74	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
73	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
72	Preparation and properties of compatibilized PVC/SMA-g-PA6 blends. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 432-439	2.9	10
71	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
70	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
69	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
68	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
67	Improve Electrochemical Hydrogen Insertion on the Carbon Materials Loaded with Pt nano-particles through H spillover. <i>Electrochimica Acta</i> , 2015 , 174, 400-405	6.7	9
66	Insights into the Synergistic Effect in Pd Immobilized to MOF-Derived Co-CoO _x @N-Doped Carbon for Efficient Selective Hydrogenolysis of 5-Hydroxymethylfurfural. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6532-6542	3.9	9
65	Fabrication and characterization of hexagonal mesoporous silica monolith via post-synthesized hydrothermal process. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 39, 169-174	2.3	9
64	Alkyl Chain Tuning of Non-fullerene Electron Acceptors toward 18.2% Efficiency Binary Organic Solar Cells. <i>Chemistry of Materials</i> ,	9.6	9
63	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
62	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
61	Electrochemical hydrogen storage in a nitrogen-doped uniformed microporous carbon. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 14096-14102	6.7	9
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