

Liang Zhou

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170
papers

13,408
citations

61
h-index

113
g-index

182
ext. papers

15,905
ext. citations

10.4
avg, IF

6.9
L-index

#	Paper	IF	Citations
170	Metal oxide hollow nanostructures for lithium-ion batteries. <i>Advanced Materials</i> , 2012 , 24, 1903-11	24	1327
169	Double-shelled CoMn ₂ O ₄ hollow microcubes as high-capacity anodes for lithium-ion batteries. <i>Advanced Materials</i> , 2012 , 24, 745-8	24	618
168	Low-crystalline iron oxide hydroxide nanoparticle anode for high-performance supercapacitors. <i>Nature Communications</i> , 2017 , 8, 14264	17.4	452
167	Silicon oxides: a promising family of anode materials for lithium-ion batteries. <i>Chemical Society Reviews</i> , 2019 , 48, 285-309	58.5	436
166	Intricate Hollow Structures: Controlled Synthesis and Applications in Energy Storage and Conversion. <i>Advanced Materials</i> , 2017 , 29, 1602914	24	424
165	Highly Durable NaVO ₂ ·0.63HO Nanowire Cathode for Aqueous Zinc-Ion Battery. <i>Nano Letters</i> , 2018 , 18, 1758-1763	11.5	403
164	LiNi _{0.5} Mn _{1.5} O ₄ hollow structures as high-performance cathodes for lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 239-41	16.4	309
163	Zn/VO Aqueous Hybrid-Ion Battery with High Voltage Platform and Long Cycle Life. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42717-42722	9.5	293
162	Surfactant-Free Assembly of Mesoporous Carbon Hollow Spheres with Large Tunable Pore Sizes. <i>ACS Nano</i> , 2016 , 10, 4579-86	16.7	293
161	Arrays of ultrafine CuS nanoneedles supported on a CNT backbone for application in supercapacitors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7851		235
160	MoB/g-C N Interface Materials as a Schottky Catalyst to Boost Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 496-500	16.4	228
159	Facile preparation of ZnMn ₂ O ₄ hollow microspheres as high-capacity anodes for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 827-829		226
158	Layer-by-Layer Na ₃ V ₂ (PO ₄) ₃ Embedded in Reduced Graphene Oxide as Superior Rate and Ultralong-Life Sodium-Ion Battery Cathode. <i>Advanced Energy Materials</i> , 2016 , 6, 1600389	21.8	225
157	MoO ₃ Nanobelts: A High Performance Cathode Material for Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21868-21872	3.8	222
156	Tailoring the Void Size of Iron Oxide@Carbon Yolk-Shell Structure for Optimized Lithium Storage. <i>Advanced Functional Materials</i> , 2014 , 24, 4337-4342	15.6	197
155	Cheap and scalable synthesis of Fe ₂ O ₃ multi-shelled hollow spheres as high-performance anode materials for lithium ion batteries. <i>Chemical Communications</i> , 2013 , 49, 8695-7	5.8	178
154	Anions induced evolution of Co ₃ X ₄ (X = O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. <i>Nano Energy</i> , 2018 , 48, 617-629	17.1	171

153	The Marriage of the FeN Moiety and MXene Boosts Oxygen Reduction Catalysis: Fe 3d Electron Delocalization Matters. <i>Advanced Materials</i> , 2018 , 30, e1803220	24	157
152	Tailored Yolk-Shell Sn@C Nanoboxes for High-Performance Lithium Storage. <i>Advanced Functional Materials</i> , 2017 , 27, 1606023	15.6	154
151	CNT-assembled dodecahedra core@nickel hydroxide nanosheet shell enabled sulfur cathode for high-performance lithium-sulfur batteries. <i>Nano Energy</i> , 2019 , 55, 82-92	17.1	154
150	Interconnected MoO ₂ nanocrystals with carbon nanocoating as high-capacity anode materials for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 4853-7	9.5	152
149	Bottom-Up Confined Synthesis of Nanorod-in-Nanotube Structured Sb@N-C for Durable Lithium and Sodium Storage. <i>Advanced Energy Materials</i> , 2018 , 8, 1703237	21.8	150
148	Low-Crystalline Bimetallic Metal-Organic Framework Electrocatalysts with Rich Active Sites for Oxygen Evolution. <i>ACS Energy Letters</i> , 2019 , 4, 285-292	20.1	150
147	Metal-organic framework derived carbon-confined NiP nanocrystals supported on graphene for an efficient oxygen evolution reaction. <i>Chemical Communications</i> , 2017 , 53, 8372-8375	5.8	147
146	Ultrafine Nickel-Nanoparticle-Enabled SiO ₂ Hierarchical Hollow Spheres for High-Performance Lithium Storage. <i>Advanced Functional Materials</i> , 2018 , 28, 1704561	15.6	142
145	Novel K ₃ V ₂ (PO ₄) ₃ /C Bundled Nanowires as Superior Sodium-Ion Battery Electrode with Ultrahigh Cycling Stability. <i>Advanced Energy Materials</i> , 2015 , 5, 1500716	21.8	140
144	Monodisperse and homogeneous SiO ₂ /C microspheres: A promising high-capacity and durable anode material for lithium-ion batteries. <i>Energy Storage Materials</i> , 2018 , 13, 112-118	19.4	136
143	Magnetic-field induced formation of 1D Fe ₃ O ₄ /C/CdS coaxial nanochains as highly efficient and reusable photocatalysts for water treatment. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18359		134
142	Simultaneous determination of dopamine, ascorbic acid and uric acid on ordered mesoporous carbon/Nafion composite film. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 625, 82-87	4.1	132
141	LiNi _{0.5} Mn _{1.5} O ₄ Hollow Structures as High-Performance Cathodes for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2012 , 124, 243-245	3.6	129
140	Bismuth Oxides with Enhanced Bismuth-Oxygen Structure for Efficient Electrochemical Reduction of Carbon Dioxide to Formate. <i>ACS Catalysis</i> , 2020 , 10, 743-750	13.1	126
139	Carbon-coated hierarchical NaTi ₂ (PO ₄) ₃ mesoporous microflowers with superior sodium storage performance. <i>Nano Energy</i> , 2016 , 28, 224-231	17.1	114
138	A designed nanoporous material for phosphate removal with high efficiency. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2489		112
137	Ultralong SbSe Nanowire-Based Free-Standing Membrane Anode for Lithium/Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35219-35226	9.5	110
136	Heterostructured BiS-BiO Nanosheets with a Built-In Electric Field for Improved Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7201-7207	9.5	109

135	A facile one-step solvothermal synthesis of SnO ₂ /graphene nanocomposite and its application as an anode material for lithium-ion batteries. <i>ChemPhysChem</i> , 2011 , 12, 278-81	3.2	106
134	Aqueous Zn//Zn(CF ₃ SO ₃) ₂ //Na ₃ V ₂ (PO ₄) ₃ batteries with simultaneous Zn ²⁺ /Na ⁺ intercalation/de-intercalation. <i>Nano Energy</i> , 2019 , 58, 492-498	17.1	103
133	Mesoporous bioactive glasses for controlled drug release. <i>Microporous and Mesoporous Materials</i> , 2008 , 109, 210-215	5.3	103
132	Building better zinc-ion batteries: A materials perspective. <i>EnergyChem</i> , 2019 , 1, 100022	36.9	97
131	Antimony nanoparticles anchored in three-dimensional carbon network as promising sodium-ion battery anode. <i>Journal of Power Sources</i> , 2016 , 304, 340-345	8.9	96
130	Synthesis of Magnesium Oxide Hierarchical Microspheres: A Dual-Functional Material for Water Remediation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21278-86	9.5	95
129	Yolk@Shell SiO ₂ /C microspheres with semi-graphitic carbon coating on the exterior and interior surfaces for durable lithium storage. <i>Energy Storage Materials</i> , 2019 , 19, 299-305	19.4	92
128	Realizing Three-Electron Redox Reactions in NASICON-Structured Na ₃ MnTi(PO ₄) ₃ for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1803436	21.8	89
127	Nitrogen-doped ordered mesoporous carbon single crystals: aqueous organic-organic self-assembly and superior supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24041-24048	13.88	88
126	Unusual formation of single-crystal manganese sulfide microboxes co-mediated by the cubic crystal structure and shape. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7267-70	16.4	87
125	Green Synthesis of Hexagonal-Shaped WO ₃ ·0.33H ₂ O Nanodiscs Composed of Nanosheets. <i>Crystal Growth and Design</i> , 2008 , 8, 3993-3998	3.5	87
124	Polypyrrole-Coated Zinc Ferrite Hollow Spheres with Improved Cycling Stability for Lithium-Ion Batteries. <i>Small</i> , 2016 , 12, 3732-7	11	85
123	Self-Organized Mesostructured Hollow Carbon Nanoparticles via a Surfactant-Free Sequential Heterogeneous Nucleation Pathway. <i>Chemistry of Materials</i> , 2015 , 27, 6297-6304	9.6	81
122	Mesoporous LiVO/C Submicron-Ellipsoids Supported on Reduced Graphene Oxide as Practical Anode for High-Power Lithium-Ion Batteries. <i>Advanced Science</i> , 2015 , 2, 1500284	13.6	81
121	Encapsulation of Fe ₂ O ₃ nanoparticles in graphitic carbon microspheres as high-performance anode materials for lithium-ion batteries. <i>Nanoscale</i> , 2015 , 7, 3270-5	7.7	79
120	Nanosheet-Based Bi ₂ Mo _x W _{1-x} O ₆ Solid Solutions with Adjustable Band Gaps and Enhanced Visible-Light-Driven Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18812-18818	3.8	77
119	Lattice Breathing Inhibited Layered Vanadium Oxide Ultrathin Nanobelts for Enhanced Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18211-7	9.5	76
118	Acetylene Black Induced Heterogeneous Growth of Macroporous CoV ₂ O ₆ Nanosheet for High-Rate Pseudocapacitive Lithium-Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7139-46	9.5	74

117	Porous VO microspheres: a high-capacity cathode material for aqueous zinc-ion batteries. <i>Chemical Communications</i> , 2019 , 55, 8486-8489	5.8	72
116	Copper Silicate Hydrate Hollow Spheres Constructed by Nanotubes Encapsulated in Reduced Graphene Oxide as Long-Life Lithium-Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26572-8	9.5	71
115	Ultrafine SiO _x /C nanospheres and their pomegranate-like assemblies for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14903-14909	13	71
114	Thermal Induced Strain Relaxation of 1D Iron Oxide for Solid Electrolyte Interphase Control and Lithium Storage Improvement. <i>Advanced Energy Materials</i> , 2017 , 7, 1601582	21.8	70
113	Zn Pre-Intercalation Stabilizes the Tunnel Structure of MnO Nanowires and Enables Zinc-Ion Hybrid Supercapacitor of Battery-Level Energy Density. <i>Small</i> , 2020 , 16, e2000091	11	69
112	New Understanding and Simple Approach to Synthesize Highly Hydrothermally Stable and Ordered Mesoporous Materials. <i>Chemistry of Materials</i> , 2009 , 21, 5413-5425	9.6	67
111	Tailoring porous carbon spheres for supercapacitors. <i>Nanoscale</i> , 2018 , 10, 21604-21616	7.7	64
110	Facile synthesis of reduced graphene oxide wrapped nickel silicate hierarchical hollow spheres for long-life lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19427-19432	13	62
109	Graphene Oxide Templated Growth and Superior Lithium Storage Performance of Novel Hierarchical Co ₂ V ₂ O ₇ Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2812-8	9.5	61
108	A simple approach to prepare monodisperse mesoporous silica nanospheres with adjustable sizes. <i>Journal of Colloid and Interface Science</i> , 2012 , 376, 67-75	9.3	59
107	Yolk-shell Nb ₂ O ₅ microspheres as intercalation pseudocapacitive anode materials for high-energy Li-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11234-11240	13	58
106	Robust Photocatalytic H ₂ O ₂ Production over Inverse Opal g-C ₃ N ₄ with Carbon Vacancy under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16467-16473	8.3	57
105	Highly Selective Carbon Dioxide Electroreduction on Structure-Evolved Copper Perovskite Oxide toward Methane Production. <i>ACS Catalysis</i> , 2020 , 10, 4640-4646	13.1	57
104	Ni foam supported NiO nanosheets as high-performance free-standing electrodes for hybrid supercapacitors and Ni/Zn batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19488-19494	13	57
103	MoxW _{1-x} O ₃ ·3.33H ₂ O Solid Solutions with Tunable Band Gaps. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 20947-20954	3.8	56
102	Porous and Low-Crystalline Manganese Silicate Hollow Spheres Wired by Graphene Oxide for High-Performance Lithium and Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24584-24590	9.5	53
101	Monodisperse Carbon Sphere-Constructed Pomegranate-Like Structures for High-Volumetric-Capacitance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4011-4018	9.5	53
100	Shaping Nanoparticles with Hydrophilic Compositions and Hydrophobic Properties as Nanocarriers for Antibiotic Delivery. <i>ACS Central Science</i> , 2015 , 1, 328-34	16.8	52

99	Low-cost and large-scale synthesis of functional porous materials for phosphate removal with high performance. <i>Nanoscale</i> , 2013 , 5, 6173-80	7.7	52
98	Copper silicate nanotubes anchored on reduced graphene oxide for long-life lithium-ion battery. <i>Energy Storage Materials</i> , 2017 , 7, 152-156	19.4	51
97	Self-modification of g-C ₃ N ₄ with its quantum dots for enhanced photocatalytic activity. <i>Catalysis Science and Technology</i> , 2018 , 8, 2617-2623	5.5	51
96	Methyl-functionalized MoS nanosheets with reduced lattice breathing for enhanced pseudocapacitive sodium storage. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13696-13702	3.6	50
95	Designed synthesis of LiMn ₂ O ₄ microspheres with adjustable hollow structures for lithium-ion battery applications. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 837-842	13	50
94	Hierarchical macro-mesoporous g-CN with an inverse opal structure and vacancies for high-efficiency solar energy conversion and environmental remediation. <i>Nanoscale</i> , 2019 , 11, 20638-20647	7.7	48
93	MoB/g-C ₃ N ₄ Interface Materials as a Schottky Catalyst to Boost Hydrogen Evolution. <i>Angewandte Chemie</i> , 2018 , 130, 505-509	3.6	48
92	New-type K _{0.7} Fe _{0.5} Mn _{0.5} O ₂ cathode with an expanded and stabilized interlayer structure for high-capacity sodium-ion batteries. <i>Nano Energy</i> , 2017 , 35, 71-78	17.1	47
91	Organosilica Multilamellar Vesicles with Tunable Number of Layers and Sponge-Like Walls via One Surfactant Templating. <i>Chemistry of Materials</i> , 2008 , 20, 6238-6243	9.6	45
90	Comprehensive understanding on the formation of highly ordered mesoporous tungsten oxides by X-ray diffraction and Raman spectroscopy. <i>Microporous and Mesoporous Materials</i> , 2008 , 109, 248-257	5.3	45
89	Macroscopic synthesis of ultrafine N-doped carbon nanofibers for superior capacitive energy storage. <i>Science Bulletin</i> , 2019 , 64, 1617-1624	10.6	44
88	A systematic study on the synthesis of Fe ₂ O ₃ multi-shelled hollow spheres. <i>RSC Advances</i> , 2015 , 5, 10304-10309	3.7	39
87	Laser engineered graphene paper for mass spectrometry imaging. <i>Scientific Reports</i> , 2013 , 3, 1415	4.9	39
86	Engineering Iron Oxide Hollow Nanospheres to Enhance Antimicrobial Property: Understanding the Cytotoxic Origin in Organic Rich Environment. <i>Advanced Functional Materials</i> , 2016 , 26, 5408-5418	15.6	39
85	Aerosol synthesis of trivalent titanium doped titania/carbon composite microspheres with superior sodium storage performance. <i>Nano Research</i> , 2017 , 10, 4351-4359	10	38
84	Lewis Acid Site-Promoted Single-Atomic Cu Catalyzes Electrochemical CO Methanation. <i>Nano Letters</i> , 2021 , 21, 7325-7331	11.5	38
83	Dual carbon decorated Na ₃ MnTi(PO ₄) ₃ : A high-energy-density cathode material for sodium-ion batteries. <i>Nano Energy</i> , 2020 , 70, 104548	17.1	37
82	Encapsulation of selenium sulfide in double-layered hollow carbon spheres as advanced electrode material for lithium storage. <i>Nano Research</i> , 2016 , 9, 3725-3734	10	37

81	Enveloping SiOx in N-doped carbon for durable lithium storage via an eco-friendly solvent-free approach. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13285-13291	13	36
80	Highly crystallized Fe ₂ O ₃ nanocrystals on graphene: a lithium ion battery anode material with enhanced cycling. <i>RSC Advances</i> , 2014 , 4, 495-499	3.7	36
79	Mass Production of Monodisperse Carbon Microspheres with Size-Dependent Supercapacitor Performance via Aqueous Self-Catalyzed Polymerization. <i>ChemPlusChem</i> , 2017 , 82, 872-878	2.8	35
78	Facet-Selective Deposition of FeO on β -MoO Nanobelts for Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39425-39431	9.5	33
77	Boosting the Deep Discharging/Charging Lithium Storage Performances of LiVO through Double-Carbon Decoration. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23938-23944	9.5	33
76	Heterostructure Design in Bimetallic Phthalocyanine Boosts Oxygen Reduction Reaction Activity and Durability. <i>Advanced Functional Materials</i> , 2020 , 30, 2005000	15.6	30
75	Cobalt-doping in hierarchical Ni ₃ S ₂ nanorod arrays enables high areal capacitance. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13114-13120	13	28
74	The Holy Grail in Platinum-Free Electrocatalytic Hydrogen Evolution: Molybdenum-Based Catalysts and Recent Advances. <i>ChemElectroChem</i> , 2019 , 6, 3570-3589	4.3	27
73	Polydopamine sacrificial layer mediated SiOx/C@C yolk@shell structure for durable lithium storage. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1656-1663	7.8	27
72	Synthesis of urchin-like CdWO ₄ microspheres via a facile template free hydrothermal method. <i>CrystEngComm</i> , 2010 , 12, 3019	3.3	26
71	Easy synthesis and supercapacities of highly ordered mesoporous polyacenes/carbons. <i>Carbon</i> , 2006 , 44, 1601-1604	10.4	26
70	Spray-pyrolysis-assisted synthesis of yolk@shell anatase with rich oxygen vacancies for efficient sodium storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6740-6746	13	26
69	Boosting oxygen reduction activity with low-temperature derived high-loading atomic cobalt on nitrogen-doped graphene for efficient Zn-air batteries. <i>Chemical Communications</i> , 2019 , 55, 334-337	5.8	25
68	Sisyphus effects in hydrogen electrochemistry on metal silicides enabled by silicene subunit edge. <i>Science Bulletin</i> , 2019 , 64, 617-624	10.6	24
67	Unusual Formation of Single-Crystal Manganese Sulfide Microboxes Co-mediated by the Cubic Crystal Structure and Shape. <i>Angewandte Chemie</i> , 2012 , 124, 7379-7382	3.6	24
66	Hierarchical Cu ₄ V ₂ .15O ₉ .38 micro-/nanostructures: a lithium intercalating electrode material. <i>Nanoscale</i> , 2011 , 3, 999-1003	7.7	24
65	A systematic study of long-range ordered 3D-SBA-15 materials by electron tomography. <i>New Journal of Chemistry</i> , 2011 , 35, 2456	3.6	24
64	Solving complex concentric circular mesostructures by using electron tomography. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6670-3	16.4	24

63	Synthesis and in-vitro bioactivity of mesoporous bioactive glasses with tunable macropores. <i>Microporous and Mesoporous Materials</i> , 2011 , 143, 157-165	5.3	23
62	FeNx and Fe2O3 co-functionalized hollow graphitic carbon nanofibers for efficient oxygen reduction in an alkaline medium. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6076-6082	13	22
61	Cobalt decorated nitrogen-doped carbon bowls as efficient electrocatalysts for the oxygen reduction reaction. <i>Chemical Communications</i> , 2020 , 56, 4488-4491	5.8	21
60	A combo-pore approach for the programmable extraction of peptides/proteins. <i>Nanoscale</i> , 2014 , 6, 5121-5125	17.5	21
59	Design of Multi-Shelled Hollow Cr O Spheres for Metabolic Fingerprinting. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12504-12512	16.4	21
58	Surface Oxidation Layer-Mediated Conformal Carbon Coating on Si Nanoparticles for Enhanced Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3991-3998	9.5	21
57	Preparation of NiCoP-decorated g-C3N4 as an efficient photocatalyst for H2O2 production. <i>Research on Chemical Intermediates</i> , 2019 , 45, 5907-5917	2.8	20
56	Electrochemical Properties of Ordered Mesoporous Carbon Film Adsorbed onto a Self-Assembled Alkanethiol Monolayer on Gold Electrode. <i>Electroanalysis</i> , 2009 , 21, 184-189	3	20
55	Hierarchical N-doped carbon spheres anchored with cobalt nanocrystals and single atoms for oxygen reduction reaction. <i>Nano Energy</i> , 2021 , 87, 106153	17.1	19
54	Graphene oxide-decorated Fe2(MoO4)3 microflowers as a promising anode for lithium and sodium storage. <i>Nano Research</i> , 2018 , 11, 1285-1293	10	18
53	Advanced Li-SexSy battery system: Electrodes and electrolytes. <i>Journal of Materials Science and Technology</i> , 2020 , 55, 1-15	9.1	18
52	Ni/Fe based bimetallic coordination complexes with rich active sites for efficient oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2021 , 405, 126959	14.7	18
51	Phosphorus-doped inverse opal g-C3N4 for efficient and selective CO generation from photocatalytic reduction of CO2. <i>Catalysis Science and Technology</i> , 2020 , 10, 3694-3700	5.5	17
50	Fabrication of ordered mesoporous carbon hollow fiber membranes via a confined soft templating approach. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4144-4149	13	17
49	Facile Synthesis of Bi2S3@SiO2Core-Shell Microwires as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A6110-A6115	3.9	17
48	Self-assembly of monodispersed silica nano-spheres with a closed-pore mesostructure. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11523		17
47	In-situ surface self-reconstruction in ternary transition metal dichalcogenide nanorod arrays enables efficient electrocatalytic oxygen evolution. <i>Journal of Energy Chemistry</i> , 2021 , 55, 10-16	12	17
46	Metal-organic framework-derived cupric oxide polycrystalline nanowires for selective carbon dioxide electroreduction to C2 valuables. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 12418-12423	13	16

45	Confining Ultrafine MoO in a Carbon Matrix Enables Hybrid Li Ion and Li Metal Storage. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40648-40654	9.5	16
44	Activated carbon clothes for wide-voltage high-energy-density aqueous symmetric supercapacitors. <i>Chinese Chemical Letters</i> , 2020 , 31, 1620-1624	8.1	16
43	Carbon Vacancy Mediated Incorporation of Ti3C2 Quantum Dots in a 3D Inverse Opal g-C3N4 Schottky Junction Catalyst for Photocatalytic H2O2 Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 481-488	8.3	16
42	0D/3D coupling of g-CN QDs/hierarchical macro-mesoporous CuO-SiO for high-efficiency norfloxacin removal in photo-Fenton-like processes. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126359	12.8	16
41	Ligand Modulation of Active Sites to Promote Electrocatalytic Oxygen Evolution.. <i>Advanced Materials</i> , 2022 , e2200270	24	16
40	Recent advances of doped graphite carbon nitride for photocatalytic reduction of CO2: a review. <i>Research on Chemical Intermediates</i> , 2020 , 46, 5133-5164	2.8	15
39	g-C N Inverse Opals with Isotype Heterostructure for Enhanced Visible-Light-Driven Photocatalysis. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3261-3267	4.5	14
38	Heterogeneous Contraction-Mediated Asymmetric Carbon Colloids 2019 , 1, 290-296		14
37	Extensive Inspection of an Unconventional Mesoporous Silica Material at All Length-Scales. <i>Chemistry of Materials</i> , 2011 , 23, 229-238	9.6	14
36	Kinetically Controlled Assembly of Nitrogen-Doped Invaginated Carbon Nanospheres with Tunable Mesopores. <i>Chemistry - A European Journal</i> , 2016 , 22, 14962-14967	4.8	14
35	Confinement of chemisorbed phosphates in a controlled nanospace with three-dimensional mesostructures. <i>Chemistry - A European Journal</i> , 2013 , 19, 5578-85	4.8	13
34	Eutectic Electrolytes in Advanced Metal-Ion Batteries. <i>ACS Energy Letters</i> , 2022 , 7, 247-260	20.1	13
33	Interconnected LiCuVO networks with in situ Cu generation as high-performance lithium-ion battery anode. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13341-13347	3.6	12
32	Synthesis of highly ordered and hydrothermally stable mesoporous materials using sodium silicate as a precursor. <i>Materials Letters</i> , 2010 , 64, 1543-1545	3.3	12
31	A silanol protection mechanism: Understanding the decomposition behavior of surfactants in mesostructured solids. <i>Journal of Materials Research</i> , 2011 , 26, 804-814	2.5	11
30	High-Energy Aqueous Ammonium-Ion Hybrid Supercapacitors. <i>Advanced Materials</i> , 2021 , e2107992	24	11
29	Hierarchical Bimetallic Selenide Nanosheet-Constructed Nanotubes for Efficient Electrocatalytic Water Oxidation. <i>ChemElectroChem</i> , 2019 , 6, 331-335	4.3	11
28	Phenylenediamine-formaldehyde chemistry derived N-doped hollow carbon spheres for high-energy-density supercapacitors. <i>Chinese Chemical Letters</i> , 2021 , 32, 184-189	8.1	9

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