Liang Zhou

List of Publications by Year
in descending order

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176	18,155	10979	13365
papers	citations	71 h-index	130 g-index

182	182	182	17610
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal Oxide Hollow Nanostructures for Lithiumâ€ion Batteries. Advanced Materials, 2012, 24, 1903-1911.	11.1	1,414
2	Silicon oxides: a promising family of anode materials for lithium-ion batteries. Chemical Society Reviews, 2019, 48, 285-309.	18.7	685
3	Doubleâ€Shelled CoMn₂O₄ Hollow Microcubes as Highâ€Capacity Anodes for Lithiumâ€Ion Batteries. Advanced Materials, 2012, 24, 745-748.	11.1	665
4	Low-crystalline iron oxide hydroxide nanoparticle anode for high-performance supercapacitors. Nature Communications, 2017, 8, 14264.	5.8	588
5	Highly Durable Na₂V₆O₁₆Â·1.63H₂O Nanowire Cathode for Aqueous Zinc-Ion Battery. Nano Letters, 2018, 18, 1758-1763.	4.5	568
6	Intricate Hollow Structures: Controlled Synthesis and Applications in Energy Storage and Conversion. Advanced Materials, 2017, 29, 1602914.	11.1	523
7	Zn/V₂O₅ Aqueous Hybrid-Ion Battery with High Voltage Platform and Long Cycle Life. ACS Applied Materials & Interfaces, 2017, 9, 42717-42722.	4.0	401
8	Surfactant-Free Assembly of Mesoporous Carbon Hollow Spheres with Large Tunable Pore Sizes. ACS Nano, 2016, 10, 4579-4586.	7.3	374
9	LiNi_{0.5}Mn_{1.5}O₄ Hollow Structures as Highâ€Performance Cathodes for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2012, 51, 239-241.	7.2	340
10	MoB/gâ€C₃N₄ Interface Materials as a Schottky Catalyst to Boost Hydrogen Evolution. Angewandte Chemie - International Edition, 2018, 57, 496-500.	7.2	308
11	The Marriage of the FeN₄ Moiety and MXene Boosts Oxygen Reduction Catalysis: Fe 3d Electron Delocalization Matters. Advanced Materials, 2018, 30, e1803220.	11.1	289
12	Layerâ€byâ€Layer Na₃V₂(PO₄)₃ Embedded in Reduced Graphene Oxide as Superior Rate and Ultralongâ€Life Sodiumâ€Ion Battery Cathode. Advanced Energy Materials, 2016, 6, 1600389.	10.2	282
13	Low-Crystalline Bimetallic Metalâ€“Organic Framework Electrocatalysts with Rich Active Sites for Oxygen Evolution. ACS Energy Letters, 2019, 4, 285-292.	8.8	255
14	Arrays of ultrafine CuS nanoneedles supported on a CNT backbone for application in supercapacitors. Journal of Materials Chemistry, 2012, 22, 7851.	6.7	253
15	Î±-MoO₃ Nanobelts: A High Performance Cathode Material for Lithium Ion Batteries. Journal of Physical Chemistry C, 2010, 114, 21868-21872.	1.5	248
16	Facile preparation of ZnMn₂O₄hollow microspheres as high-capacity anodes for lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 827-829.	6.7	236
17	Bismuth Oxides with Enhanced Bismuthâ€“Oxygen Structure for Efficient Electrochemical Reduction of Carbon Dioxide to Formate. ACS Catalysis, 2020, 10, 743-750.	5.5	234
18	Anions induced evolution of Co3X4 (Xâ€¯=â€¯O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. Nano Energy, 2018, 48, 617-629.	8.2	227

#	Article	IF	Citations
19	Monodisperse and homogeneous SiO /C microspheres: A promising high-capacity and durable anode material for lithium-ion batteries. Energy Storage Materials, 2018, 13, 112-118.	9.5	222
20	Tailoring the Void Size of Iron Oxide@Carbon Yolkâ€“Shell Structure for Optimized Lithium Storage. Advanced Functional Materials, 2014, 24, 4337-4342.	7.8	212
21	Ultrafine Nickelâ€Nanoparticleâ€Enabled SiO₂ Hierarchical Hollow Spheres for Highâ€Performance Lithium Storage. Advanced Functional Materials, 2018, 28, 1704561.	7.8	193
22	Cheap and scalable synthesis of Î±-Fe2O3 multi-shelled hollow spheres as high-performance anode materials for lithium ion batteries. Chemical Communications, 2013, 49, 8695.	2.2	192
23	Bottomâ€Up Confined Synthesis of Nanorodâ€inâ€Nanotube Structured Sb@Nâ€C for Durable Lithium and Sodium Storage. Advanced Energy Materials, 2018, 8, 1703237.	10.2	192
24	CNT-assembled dodecahedra core@nickel hydroxide nanosheet shell enabled sulfur cathode for high-performance lithium-sulfur batteries. Nano Energy, 2019, 55, 82-92.	8.2	185
25	Metalâ€“organic framework derived carbon-confined Ni₂P nanocrystals supported on graphene for an efficient oxygen evolution reaction. Chemical Communications, 2017, 53, 8372-8375.	2.2	184
26	Tailored Yolkâ€“Shell Sn@C Nanoboxes for Highâ€Performance Lithium Storage. Advanced Functional Materials, 2017, 27, 1606023.	7.8	173
27	Realizing Threeâ€Electron Redox Reactions in NASICONâ€Structured Na₃MnTi(PO₄)₃ for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1803436.	10.2	171
28	Interconnected MoO₂ Nanocrystals with Carbon Nanocoating as High-Capacity Anode Materials for Lithium-ion Batteries. ACS Applied Materials & Interfaces, 2011, 3, 4853-4857.	4.0	167
29	Yolk@Shell SiO /C microspheres with semi-graphitic carbon coating on the exterior and interior surfaces for durable lithium storage. Energy Storage Materials, 2019, 19, 299-305.	9.5	167
30	Aqueous Zn//Zn(CF3SO3)2//Na3V2(PO4)3 batteries with simultaneous Zn2+/Na+ intercalation/de-intercalation. Nano Energy, 2019, 58, 492-498.	8.2	161
31	Heterostructured Bi₂S₃â€“Bi₂O₃ Nanosheets with a Built-In Electric Field for Improved Sodium Storage. ACS Applied Materials & Interfaces, 2018, 10, 7201-7207.	4.0	153
32	Building better zinc-ion batteries: A materials perspective. EnergyChem, 2019, 1, 100022.	10.1	153
33	Singleâ€Atom Pt Loaded Zinc Vacancies ZnOâ€“ZnS Induced Typeâ€V Electron Transport for Efficiency Photocatalytic H₂ Evolution. Solar Rrl, 2021, 5, 2100536.	3.1	153
34	Simultaneous determination of dopamine, ascorbic acid and uric acid on ordered mesoporous carbon/Nafion composite film. Journal of Electroanalytical Chemistry, 2009, 625, 82-87.	1.9	151
35	Novel K₃V₂(PO₄)₃/C Bundled Nanowires as Superior Sodiumâ€Ion Battery Electrode with Ultrahigh Cycling Stability. Advanced Energy Materials, 2015, 5, 1500716.	10.2	150
36	Magnetic-field induced formation of 1D Fe3O4/C/CdS coaxial nanochains as highly efficient and reusable photocatalysts for water treatment. Journal of Materials Chemistry, 2011, 21, 18359.	6.7	145

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37	Ultralong Sb₂Se₃ Nanowire-Based Free-Standing Membrane Anode for Lithium/Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 35219-35226.	4.0	139
38	Carbon-coated hierarchical NaTi2(PO4)3 mesoporous microflowers with superior sodium storage performance. Nano Energy, 2016, 28, 224-231.	8.2	139
39	Zn²⁺ Preâ€Intercalation Stabilizes the Tunnel Structure of MnO₂ Nanowires and Enables Zincâ€Ion Hybrid Supercapacitor of Batteryâ€Level Energy Density. Small, 2020, 16, e2000091.	5.2	139
40	Lewis Acid Site-Promoted Single-Atomic Cu Catalyzes Electrochemical CO₂ Methanation. Nano Letters, 2021, 21, 7325-7331.	4.5	133
41	A designed nanoporous material for phosphate removal with high efficiency. Journal of Materials Chemistry, 2011, 21, 2489.	6.7	127
42	Synthesis of Magnesium Oxide Hierarchical Microspheres: A Dual-Functional Material for Water Remediation. ACS Applied Materials & Interfaces, 2015, 7, 21278-21286.	4.0	124
43	Ultrafine SiO_x/C nanospheres and their pomegranate-like assemblies for high-performance lithium storage. Journal of Materials Chemistry A, 2018, 6, 14903-14909.	5.2	115
44	Mesoporous bioactive glasses for controlled drug release. Microporous and Mesoporous Materials, 2008, 109, 210-215.	2.2	113
45	Porous V₂O₅ microspheres: a high-capacity cathode material for aqueous zincâ€“ion batteries. Chemical Communications, 2019, 55, 8486-8489.	2.2	112
46	Highly Selective Carbon Dioxide Electroreduction on Structure-Evolved Copper Perovskite Oxide toward Methane Production. ACS Catalysis, 2020, 10, 4640-4646.	5.5	112
47	A Facile Oneâ€Step Solvothermal Synthesis of SnO₂/Graphene Nanocomposite and Its Application as an Anode Material for Lithiumâ€Ion Batteries. ChemPhysChem, 2011, 12, 278-281.	1.0	111
48	Robust Photocatalytic H₂O₂ Production over Inverse Opal g-C₃N₄ with Carbon Vacancy under Visible Light. ACS Sustainable Chemistry and Engineering, 2019, 7, 16467-16473.	3.2	110
49	Antimony nanoparticles anchored in three-dimensional carbon network as promising sodium-ion battery anode. Journal of Power Sources, 2016, 304, 340-345.	4.0	109
50	Ligand Modulation of Active Sites to Promote Electrocatalytic Oxygen Evolution. Advanced Materials, 2022, 34, e2200270.	11.1	108
51	Eutectic Electrolyte with Unique Solvation Structure for Highâ€Performance Zincâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	108
52	Unusual Formation of Singleâ€Crystal Manganese Sulfide Microboxes Coâ€mediated by the Cubic Crystal Structure and Shape. Angewandte Chemie - International Edition, 2012, 51, 7267-7270.	7.2	103
53	Polypyrroleâ€Coated Zinc Ferrite Hollow Spheres with Improved Cycling Stability for Lithiumâ€Ion Batteries. Small, 2016, 12, 3732-3737.	5.2	102
54	Tailoring porous carbon spheres for supercapacitors. Nanoscale, 2018, 10, 21604-21616.	2.8	101

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55	Self-Organized Mesostructured Hollow Carbon Nanoparticles via a Surfactant-Free Sequential Heterogeneous Nucleation Pathway. Chemistry of Materials, 2015, 27, 6297-6304.	3.2	99
56	Mesoporous Li₃VO₄/C Submicronâ€Ellipsoids Supported on Reduced Graphene Oxide as Practical Anode for Highâ€Power Lithiumâ€Ion Batteries. Advanced Science, 2015, 2, 1500284.	5.6	99
57	Nitrogen-doped ordered mesoporous carbon single crystals: aqueous organicâ€“organic self-assembly and superior supercapacitor performance. Journal of Materials Chemistry A, 2015, 3, 24041-24048.	5.2	96
58	Green Synthesis of Hexagonal-Shaped WO₃Â·0.33H₂O Nanodiscs Composed of Nanosheets. Crystal Growth and Design, 2008, 8, 3993-3998.	1.4	94
59	Lattice Breathing Inhibited Layered Vanadium Oxide Ultrathin Nanobelts for Enhanced Sodium Storage. ACS Applied Materials & Interfaces, 2015, 7, 18211-18217.	4.0	94
60	Dual carbon decorated Na3MnTi(PO4)3: A high-energy-density cathode material for sodium-ion batteries. Nano Energy, 2020, 70, 104548.	8.2	92
61	Nanosheet-Based Bi₂Mo_xW_{1â^’x}O₆ Solid Solutions with Adjustable Band Gaps and Enhanced Visible-Light-Driven Photocatalytic Activities. Journal of Physical Chemistry C, 2010, 114, 18812-18818.	1.5	83
62	Encapsulation of Î±-Fe₂O₃ nanoparticles in graphitic carbon microspheres as high-performance anode materials for lithium-ion batteries. Nanoscale, 2015, 7, 3270-3275.	2.8	82
63	Copper Silicate Hydrate Hollow Spheres Constructed by Nanotubes Encapsulated in Reduced Graphene Oxide as Long-Life Lithium-Ion Battery Anode. ACS Applied Materials & Interfaces, 2015, 7, 26572-26578.	4.0	82
64	Acetylene Black Induced Heterogeneous Growth of Macroporous CoV₂O₆ Nanosheet for High-Rate Pseudocapacitive Lithium-Ion Battery Anode. ACS Applied Materials & Interfaces, 2016, 8, 7139-7146.	4.0	81
65	Yolkâ€“shell Nb₂O₅ microspheres as intercalation pseudocapacitive anode materials for high-energy Li-ion capacitors. Journal of Materials Chemistry A, 2019, 7, 11234-11240.	5.2	80
66	Porous and Low-Crystalline Manganese Silicate Hollow Spheres Wired by Graphene Oxide for High-Performance Lithium and Sodium Storage. ACS Applied Materials & Interfaces, 2017, 9, 24584-24590.	4.0	79
67	Monodisperse Carbon Sphere-Constructed Pomegranate-Like Structures for High-Volumetric-Capacitance Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 4011-4016.	4.0	79
68	Heterostructure Design in Bimetallic Phthalocyanine Boosts Oxygen Reduction Reaction Activity and Durability. Advanced Functional Materials, 2020, 30, 2005000.	7.8	78
69	Hierarchical N-doped carbon spheres anchored with cobalt nanocrystals and single atoms for oxygen reduction reaction. Nano Energy, 2021, 87, 106153.	8.2	76
70	Graphene Oxide Templated Growth and Superior Lithium Storage Performance of Novel Hierarchical Co₂V₂O₇ Nanosheets. ACS Applied Materials & Interfaces, 2016, 8, 2812-2818.	4.0	74
71	Thermal Induced Strain Relaxation of 1D Iron Oxide for Solid Electrolyte Interphase Control and Lithium Storage Improvement. Advanced Energy Materials, 2017, 7, 1601582.	10.2	73
72	Ni foam supported NiO nanosheets as high-performance free-standing electrodes for hybrid supercapacitors and Niâ€“Zn batteries. Journal of Materials Chemistry A, 2018, 6, 19488-19494.	5.2	73

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73	Highâ€Energy Aqueous Ammoniumâ€Ion Hybrid Supercapacitors. Advanced Materials, 2022, 34, e2107992.	11.1	73
74	Facile synthesis of reduced graphene oxide wrapped nickel silicate hierarchical hollow spheres for long-life lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 19427-19432.	5.2	72
75	The Holy Grail in Platinumâ€Free Electrocatalytic Hydrogen Evolution: Molybdenumâ€Based Catalysts and Recent Advances. ChemElectroChem, 2019, 6, 3570-3589.	1.7	72
76	A simple approach to prepare monodisperse mesoporous silica nanospheres with adjustable sizes. Journal of Colloid and Interface Science, 2012, 376, 67-75.	5.0	71
77	MoB/gâ€C₃N₄ Interface Materials as a Schottky Catalyst to Boost Hydrogen Evolution. Angewandte Chemie, 2018, 130, 505-509.	1.6	71
78	New Understanding and Simple Approach to Synthesize Highly Hydrothermally Stable and Ordered Mesoporous Materials. Chemistry of Materials, 2009, 21, 5413-5425.	3.2	69
79	Self-modification of g-C₃N₄ with its quantum dots for enhanced photocatalytic activity. Catalysis Science and Technology, 2018, 8, 2617-2623.	2.1	69
80	Copper silicate nanotubes anchored on reduced graphene oxide for long-life lithium-ion battery. Energy Storage Materials, 2017, 7, 152-156.	9.5	67
81	Hierarchical macro-mesoporous g-C₃N₄ with an inverse opal structure and vacancies for high-efficiency solar energy conversion and environmental remediation. Nanoscale, 2019, 11, 20638-20647.	2.8	67
82	Macroscopic synthesis of ultrafine Nâ€“doped carbon nanofibers for superior capacitive energy storage. Science Bulletin, 2019, 64, 1617-1624.	4.3	66
83	Carbon Vacancy Mediated Incorporation of Ti₃C₂ Quantum Dots in a 3D Inverse Opal g-C₃N₄ Schottky Junction Catalyst for Photocatalytic H₂O₂ Production. ACS Sustainable Chemistry and Engineering, 2021, 9, 481-488.	3.2	66
84	Shaping Nanoparticles with Hydrophilic Compositions and Hydrophobic Properties as Nanocarriers for Antibiotic Delivery. ACS Central Science, 2015, 1, 328-334.	5.3	65
85	Sisyphus effects in hydrogen electrochemistry on metal silicides enabled by silicene subunit edge. Science Bulletin, 2019, 64, 617-624.	4.3	65
86	Enveloping SiO_x in N-doped carbon for durable lithium storage via an eco-friendly solvent-free approach. Journal of Materials Chemistry A, 2020, 8, 13285-13291.	5.2	65
87	Mo_xW_{1â^’x}O₃Â·0.33H₂O Solid Solutions with Tunable Band Gaps. Journal of Physical Chemistry C, 2010, 114, 20947-20954.	1.5	64
88	Methyl-functionalized MoS₂ nanosheets with reduced lattice breathing for enhanced pseudocapacitive sodium storage. Physical Chemistry Chemical Physics, 2017, 19, 13696-13702.	1.3	62
89	Eutectic Electrolytes in Advanced Metal-Ion Batteries. ACS Energy Letters, 2022, 7, 247-260.	8.8	61
90	Low-cost and large-scale synthesis of functional porous materials for phosphate removal with high performance. Nanoscale, 2013, 5, 6173.	2.8	60

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91	New-type K0.7Fe0.5Mn0.5O2 cathode with an expanded and stabilized interlayer structure for high-capacity sodium-ion batteries. Nano Energy, 2017, 35, 71-78.	8.2	60
92	Designed synthesis of LiMn₂O₄microspheres with adjustable hollow structures for lithium-ion battery applications. Journal of Materials Chemistry A, 2013, 1, 837-842.	5.2	56
93	Design of Multiâ€Shelled Hollow Cr₂O₃Spheres for Metabolic Fingerprinting. Angewandte Chemie - International Edition, 2021, 60, 12504-12512.	7.2	53
94	Surface Oxidation Layer-Mediated Conformal Carbon Coating on Si Nanoparticles for Enhanced Lithium Storage. ACS Applied Materials & Interfaces, 2021, 13, 3991-3998.	4.0	51
95	Regulating the Interlayer Spacings of Hard Carbon Nanofibers Enables Enhanced Pore Filling Sodium Storage. Small, 2022, 18, e2105303.	5.2	51
96	Cobalt-doping in hierarchical Ni₃S₂ nanorod arrays enables high areal capacitance. Journal of Materials Chemistry A, 2020, 8, 13114-13120.	5.2	49
97	Polydopamine sacrificial layer mediated SiO_x/C@C yolk@shell structure for durable lithium storage. Materials Chemistry Frontiers, 2020, 4, 1656-1663.	3.2	49
98	Comprehensive understanding on the formation of highly ordered mesoporous tungsten oxides by X-ray diffraction and Raman spectroscopy. Microporous and Mesoporous Materials, 2008, 109, 248-257.	2.2	48
99	Organosilica Multilamellar Vesicles with Tunable Number of Layers and Sponge-Like Walls via One Surfactant Templating. Chemistry of Materials, 2008, 20, 6238-6243.	3.2	48
100	Aerosol synthesis of trivalent titanium doped titania/carbon composite microspheres with superior sodium storage performance. Nano Research, 2017, 10, 4351-4359.	5.8	47
101	Engineering Iron Oxide Hollow Nanospheres to Enhance Antimicrobial Property: Understanding the Cytotoxic Origin in Organic Rich Environment. Advanced Functional Materials, 2016, 26, 5408-5418.	7.8	46
102	Mass Production of Monodisperse Carbon Microspheres with Sizeâ€Dependent Supercapacitor Performance via Aqueous Selfâ€Catalyzed Polymerization. ChemPlusChem, 2017, 82, 872-878.	1.3	46
103	Encapsulation of selenium sulfide in double-layered hollow carbon spheres as advanced electrode material for lithium storage. Nano Research, 2016, 9, 3725-3734.	5.8	45
104	Boosting the Deep Discharging/Charging Lithium Storage Performances of Li₃VO₄ through Double-Carbon Decoration. ACS Applied Materials & Interfaces, 2018, 10, 23938-23944.	4.0	45
105	0D/3D coupling of g-C3N4 QDs/hierarchical macro-mesoporous CuO-SiO2 for high-efficiency norfloxacin removal in photo-Fenton-like processes. Journal of Hazardous Materials, 2021, 419, 126359.	6.5	45
106	Laser Engineered Graphene Paper for Mass Spectrometry Imaging. Scientific Reports, 2013, 3, 1415.	1.6	44
107	A systematic study on the synthesis of Î±-Fe₂O₃ multi-shelled hollow spheres. RSC Advances, 2015, 5, 10304-10309.	1.7	41
108	Confining Ultrafine MoO₂ in a Carbon Matrix Enables Hybrid Li Ion and Li Metal Storage. ACS Applied Materials & Interfaces, 2020, 12, 40648-40654.	4.0	40

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109	FeN_xand Î³-Fe₂O₃co-functionalized hollow graphitic carbon nanofibers for efficient oxygen reduction in an alkaline medium. Journal of Materials Chemistry A, 2020, 8, 6076-6082.	5.2	40
110	Recent advances of doped graphite carbon nitride for photocatalytic reduction of CO2: a review. Research on Chemical Intermediates, 2020, 46, 5133-5164.	1.3	39
111	Metalâ€“organic framework-derived cupric oxide polycrystalline nanowires for selective carbon dioxide electroreduction to C2 valuables. Journal of Materials Chemistry A, 2020, 8, 12418-12423.	5.2	38
112	Ni/Fe based bimetallic coordination complexes with rich active sites for efficient oxygen evolution reaction. Chemical Engineering Journal, 2021, 405, 126959.	6.6	38
113	Highly crystallized Fe2O3nanocrystals on graphene: a lithium ion battery anode material with enhanced cycling. RSC Advances, 2014, 4, 495-499.	1.7	37
114	Spray-pyrolysis-assisted synthesis of yolk@shell anatase with rich oxygen vacancies for efficient sodium storage. Journal of Materials Chemistry A, 2019, 7, 6740-6746.	5.2	37
115	Facet-Selective Deposition of FeO_x on Î±-MoO₃ Nanobelts for Lithium Storage. ACS Applied Materials & Interfaces, 2017, 9, 39425-39431.	4.0	36
116	Boosting oxygen reduction activity with low-temperature derived high-loading atomic cobalt on nitrogen-doped graphene for efficient Znâ€“air batteries. Chemical Communications, 2019, 55, 334-337.	2.2	35
117	Cobalt decorated nitrogen-doped carbon bowls as efficient electrocatalysts for the oxygen reduction reaction. Chemical Communications, 2020, 56, 4488-4491.	2.2	35
118	Phosphorus-doped inverse opal g-C₃N₄ for efficient and selective CO generation from photocatalytic reduction of CO₂. Catalysis Science and Technology, 2020, 10, 3694-3700.	2.1	34
119	A combo-pore approach for the programmable extraction of peptides/proteins. Nanoscale, 2014, 6, 5121-5125.	2.8	31
120	Activated carbon clothes for wide-voltage high-energy-density aqueous symmetric supercapacitors. Chinese Chemical Letters, 2020, 31, 1620-1624.	4.8	31
121	Easy synthesis and supercapacities of highly ordered mesoporous polyacenes/carbons. Carbon, 2006, 44, 1601-1604.	5.4	29
122	Advanced Li-Se S battery system: Electrodes and electrolytes. Journal of Materials Science and Technology, 2020, 55, 1-15.	5.6	28
123	In-situ surface self-reconstruction in ternary transition metal dichalcogenide nanorod arrays enables efficient electrocatalytic oxygen evolution. Journal of Energy Chemistry, 2021, 55, 10-16.	7.1	28
124	Ultrathin Metal Silicate Hydroxide Nanosheets with Moderate Metalâ€“Oxygen Covalency Enables Efficient Oxygen Evolution. Energy and Environmental Materials, 2022, 5, 231-237.	7.3	28
125	Photo-Fenton-like degradation of antibiotics by inverse opal WO3 co-catalytic Fe2+/PMS, Fe2+/H2O2 and Fe2+/PDS processes: A comparative study. Chemosphere, 2022, 288, 132627.	4.2	27
126	Efficient removal of antibiotic-resistant bacteria and intracellular antibiotic resistance genes by heterogeneous activation of peroxymonosulfate on hierarchical macro-mesoporous Co3O4-SiO2 with enhanced photogenerated charges. Journal of Hazardous Materials, 2022, 430, 127414.	6.5	27

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127	Synthesis of urchin-like CdWO4 microspheres via a facile template free hydrothermal method. CrystEngComm, 2010, 12, 3019.	1.3	26
128	Facile Synthesis of Bi₂S₃@SiO₂Core-Shell Microwires as High-Performance Anode Materials for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A6110-A6115.	1.3	26
129	Preparation of NiCoP-decorated g-C3N4 as an efficient photocatalyst for H2O2 production. Research on Chemical Intermediates, 2019, 45, 5907-5917.	1.3	26
130	Graphene oxide-decorated Fe2(MoO4)3 microflowers as a promising anode for lithium and sodium storage. Nano Research, 2018, 11, 1285-1293.	5.8	25
131	Solving Complex Concentric Circular Mesostructures by Using Electron Tomography. Angewandte Chemie - International Edition, 2008, 47, 6670-6673.	7.2	24
132	Electrochemical Properties of Ordered Mesoporous Carbon Film Adsorbed onto a Selfâ€Assembled Alkanethiol Monolayer on Gold Electrode. Electroanalysis, 2009, 21, 184-189.	1.5	24
133	Hierarchical Cu₄V_{2.15}O_{9.38}micro-/nanostructures: a lithium intercalating electrode material. Nanoscale, 2011, 3, 999-1003.	2.8	24
134	A systematic study of long-range ordered 3D-SBA-15 materials by electron tomography. New Journal of Chemistry, 2011, 35, 2456.	1.4	24
135	Synthesis and in-vitro bioactivity of mesoporous bioactive glasses with tunable macropores. Microporous and Mesoporous Materials, 2011, 143, 157-165.	2.2	23
136	Fabrication of ordered mesoporous carbon hollow fiber membranes via a confined soft templating approach. Journal of Materials Chemistry A, 2014, 2, 4144-4149.	5.2	22
137	Phenylenediamine-formaldehyde chemistry derived N-doped hollow carbon spheres for high-energy-density supercapacitors. Chinese Chemical Letters, 2021, 32, 184-189.	4.8	22
138	Kinetically Controlled Assembly of Nitrogenâ€Doped Invaginated Carbon Nanospheres with Tunable Mesopores. Chemistry - A European Journal, 2016, 22, 14962-14967.	1.7	21
139	Activating Inert Sites in Cobalt Silicate Hydroxides for Oxygen Evolution through Atomically Doping. Energy and Environmental Materials, 2022, 5, 655-661.	7.3	21
140	Heterogeneous Contraction-Mediated Asymmetric Carbon Colloids. , 2019, 1, 290-296.		20
141	Hollow SiO_x/C Microspheres with Semigraphitic Carbon Coating as the â€œLithium Hostâ€•for Dendrite-Free Lithium Metal Anodes. ACS Applied Energy Materials, 2021, 4, 3905-3912.	2.5	20
142	Ammonium Ion and Structural Water <scp>Coâ€Assisted</scp> Zn²⁺ Intercalation/<scp>Deâ€Intercalation</scp> in <scp>NH₄V₄O₁₀</scp>â‹…0.<scp>28H₂O</scp>^{â€}. Chinese Journal of Chemistry, 2021, 39, 1885-1890.	2.6	19
143	Self-assembly of monodispersed silica nano-spheres with a closed-pore mesostructure. Journal of Materials Chemistry, 2012, 22, 11523.	6.7	18
144	Microporeâ€Rich Yolkâ€Shell Nâ€doped Carbon Spheres: An Ideal Electrode Material for Highâ€Energy Capacitive Energy Storage. ChemSusChem, 2021, 14, 1756-1762.	3.6	18

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145	Confinement of Chemisorbed Phosphates in a Controlled Nanospace with Threeâ€Dimensional Mesostructures. Chemistry - A European Journal, 2013, 19, 5578-5585.	1.7	16
146	gâ€C₃N₄ Inverse Opals with Isotype Heterostructure for Enhanced Visibleâ€Lightâ€Driven Photocatalysis. Chemistry - an Asian Journal, 2018, 13, 3261-3267.	1.7	16
147	Eutectic Electrolyte with Unique Solvation Structure for Highâ€Performance Zincâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	16
148	Interconnected LiCuVO₄networks with in situ Cu generation as high-performance lithium-ion battery anode. Physical Chemistry Chemical Physics, 2017, 19, 13341-13347.	1.3	15
149	Hierarchical Bimetallic Selenide Nanosheetâ€Constructed Nanotubes for Efficient Electrocatalytic Water Oxidation. ChemElectroChem, 2019, 6, 331-335.	1.7	15
150	Extensive Inspection of an Unconventional Mesoporous Silica Material at All Length-Scales. Chemistry of Materials, 2011, 23, 229-238.	3.2	14
151	Highly efficient photocatalytic H2O2 production on coreâ€“shell CdS@CdIn2S4 heterojunction in non-sacrificial system. Research on Chemical Intermediates, 2021, 47, 3379-3393.	1.3	13
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