

# Liang Zhou

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/840406/liang-zhou-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Ligand Modulation of Active Sites to Promote Electrocatalytic Oxygen Evolution.. <i>Advanced Materials</i> , <b>2022</b> , e2200270	24	16
169	Eutectic Electrolytes in Advanced Metal-Ion Batteries. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 247-260	20.1	13
168	High-Energy Aqueous Ammonium-Ion Hybrid Supercapacitors. <i>Advanced Materials</i> , <b>2021</b> , e2107992	24	11
167	Regulating the Interlayer Spacings of Hard Carbon Nanofibers Enables Enhanced Pore Filling Sodium Storage. <i>Small</i> , <b>2021</b> , e2105303	11	6
166	Photo-Fenton-like degradation of antibiotics by inverse opal WO <sub>3</sub> co-catalytic Fe/PMS, Fe/HO and Fe/PDS processes: A comparative study. <i>Chemosphere</i> , <b>2021</b> , 288, 132627	8.4	5
165	Efficient removal of antibiotic-resistant bacteria and intracellular antibiotic resistance genes by heterogeneous activation of peroxymonosulfate on hierarchical macro-mesoporous CoO-SiO <sub>2</sub> with enhanced photogenerated charges.. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 430, 127414	12.8	3
164	Hollow SiO <sub>2</sub> /C Microspheres with Semigraphitic Carbon Coating as the Lithium Host for Dendrite-Free Lithium Metal Anodes. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 3905-3912	6.1	5
163	Constructing Three-Dimensional Macroporous TiO <sub>2</sub> Microspheres with Enhanced Pseudocapacitive Lithium Storage under Deep Discharging/Charging Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16528-16535	9.5	4
162	Design of Multi-Shelled Hollow Cr <sub>2</sub> O <sub>3</sub> Spheres for Metabolic Fingerprinting. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 12612-12620	3.6	3
161	Carbon Nitride Quantum Dots Modified TiO <sub>2</sub> Inverse Opal Photonic Crystal for Solving Indoor VOCs Pollution. <i>Catalysts</i> , <b>2021</b> , 11, 464	4	3
160	Design of Multi-Shelled Hollow Cr <sub>2</sub> O <sub>3</sub> Spheres for Metabolic Fingerprinting. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12504-12512	16.4	21
159	Ammonium Ion and Structural Water Co-Assisted Zn <sup>2+</sup> Intercalation/De-Intercalation in NH <sub>4</sub> V <sub>4</sub> O <sub>10</sub> ·28H <sub>2</sub> O. <i>Chinese Journal of Chemistry</i> , <b>2021</b> , 39, 1885-1890	4.9	2
158	Solvent-Free Encapsulation of Ultrafine SnO <sub>2</sub> Nanoparticles in N-Doped Carbon for High-Capacity and Durable Lithium Storage. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 6277-6283	6.1	3
157	Highly efficient photocatalytic H <sub>2</sub> O <sub>2</sub> production on core-shell CdS@CdIn <sub>2</sub> S <sub>4</sub> heterojunction in non-sacrificial system. <i>Research on Chemical Intermediates</i> , <b>2021</b> , 47, 3379-3393	2.8	1
156	In-situ surface self-reconstruction in ternary transition metal dichalcogenide nanorod arrays enables efficient electrocatalytic oxygen evolution. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 10-16	12	17
155	Three-Layer Structured SnO <sub>2</sub> @C@TiO <sub>2</sub> Hollow Spheres for High-Performance Sodium Storage. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 428-433	13	6
154	Ni/Fe based bimetallic coordination complexes with rich active sites for efficient oxygen evolution reaction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126959	14.7	18

153	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> , <b>2021</b> , 9, 481-488	8.3	16
152	Phenylenediamine-formaldehyde chemistry derived N-doped hollow carbon spheres for high-energy-density supercapacitors. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 184-189	8.1	9
151	Surface Oxidation Layer-Mediated Conformal Carbon Coating on Si Nanoparticles for Enhanced Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3991-3998	9.5	21
150	Micropore-Rich Yolk-Shell N-doped Carbon Spheres: An Ideal Electrode Material for High-Energy Capacitive Energy Storage. <i>ChemSusChem</i> , <b>2021</b> , 14, 1756-1762	8.3	7
149	Lewis Acid Site-Promoted Single-Atomic Cu Catalyzes Electrochemical CO Methanation. <i>Nano Letters</i> , <b>2021</b> , 21, 7325-7331	11.5	38
148	Solid Solution of Bi and Sb for Robust Lithium Storage Enabled by Consecutive Alloying Reaction. <i>Small</i> , <b>2021</b> , 17, e2102915	11	4
147	Hierarchical N-doped carbon spheres anchored with cobalt nanocrystals and single atoms for oxygen reduction reaction. <i>Nano Energy</i> , <b>2021</b> , 87, 106153	17.1	19
146	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> , <b>2021</b> , 419, 126359	12.8	16
145	Phosphorus-doped inverse opal g-C3N4 for efficient and selective CO generation from photocatalytic reduction of CO2. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 3694-3700	5.5	17
144	Metal-organic framework-derived cupric oxide polycrystalline nanowires for selective carbon dioxide electroreduction to C2 valuables. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 12418-12423	13	16
143	Cobalt-doping in hierarchical Ni3S2 nanorod arrays enables high areal capacitance. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 13114-13120	13	28
142	Enveloping SiOx in N-doped carbon for durable lithium storage via an eco-friendly solvent-free approach. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 13285-13291	13	36
141	Cobalt decorated nitrogen-doped carbon bowls as efficient electrocatalysts for the oxygen reduction reaction. <i>Chemical Communications</i> , <b>2020</b> , 56, 4488-4491	5.8	21
140	Highly Selective Carbon Dioxide Electroreduction on Structure-Evolved Copper Perovskite Oxide toward Methane Production. <i>ACS Catalysis</i> , <b>2020</b> , 10, 4640-4646	13.1	57
139	Zn Pre-Intercalation Stabilizes the Tunnel Structure of MnO Nanowires and Enables Zinc-Ion Hybrid Supercapacitor of Battery-Level Energy Density. <i>Small</i> , <b>2020</b> , 16, e2000091	11	69
138	FeNx and Fe2O3 co-functionalized hollow graphitic carbon nanofibers for efficient oxygen reduction in an alkaline medium. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 6076-6082	13	22
137	Encapsulation of Na4MnV(PO4)3 in robust dual-carbon framework rendering high-energy, durable sodium storage. <i>JPhys Energy</i> , <b>2020</b> , 2, 025003	4.9	6
136	Advanced Li-SexSy battery system: Electrodes and electrolytes. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 55, 1-15	9.1	18

135	Bismuth Oxides with Enhanced Bismuth-Oxygen Structure for Efficient Electrochemical Reduction of Carbon Dioxide to Formate. <i>ACS Catalysis</i> , <b>2020</b> , 10, 743-750	13.1	126
134	Recent advances of doped graphite carbon nitride for photocatalytic reduction of CO <sub>2</sub> : a review. <i>Research on Chemical Intermediates</i> , <b>2020</b> , 46, 5133-5164	2.8	15
133	FeOOH-MoO Nanorod for Effective Photo-Fenton Degradation of Dyes and Antibiotics at a Wide Range of pH. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 2749-2753	4.5	3
132	Nitrogen-Doped Mesoporous Carbon Microspheres by Spray Drying-Vapor Deposition for High-Performance Supercapacitor. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 592904	5	0
131	Dual carbon decorated Na <sub>3</sub> MnTi(PO <sub>4</sub> ) <sub>3</sub> : A high-energy-density cathode material for sodium-ion batteries. <i>Nano Energy</i> , <b>2020</b> , 70, 104548	17.1	37
130	Confining Ultrafine MoO in a Carbon Matrix Enables Hybrid Li Ion and Li Metal Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 40648-40654	9.5	16
129	Heterostructure Design in Bimetallic Phthalocyanine Boosts Oxygen Reduction Reaction Activity and Durability. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2005000	15.6	30
128	Activated carbon clothes for wide-voltage high-energy-density aqueous symmetric supercapacitors. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 1620-1624	8.1	16
127	Polydopamine sacrificial layer mediated SiO <sub>x</sub> /C@C yolk@shell structure for durable lithium storage. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 1656-1663	7.8	27
126	Macroscopic synthesis of ultrafine N-doped carbon nanofibers for superior capacitive energy storage. <i>Science Bulletin</i> , <b>2019</b> , 64, 1617-1624	10.6	44
125	Robust Photocatalytic H <sub>2</sub> O <sub>2</sub> Production over Inverse Opal g-C <sub>3</sub> N <sub>4</sub> with Carbon Vacancy under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16467-16473	8.3	57
124	Aqueous Zn//Zn(CF <sub>3</sub> SO <sub>3</sub> ) <sub>2</sub> //Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> batteries with simultaneous Zn <sup>2+</sup> /Na <sup>+</sup> intercalation/de-intercalation. <i>Nano Energy</i> , <b>2019</b> , 58, 492-498	17.1	103
123	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> , <b>2019</b> , 55, 334-337	5.8	25
122	Silicon oxides: a promising family of anode materials for lithium-ion batteries. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 285-309	58.5	436
121	Porous VO microspheres: a high-capacity cathode material for aqueous zinc-ion batteries. <i>Chemical Communications</i> , <b>2019</b> , 55, 8486-8489	5.8	72
120	The Holy Grail in Platinum-Free Electrocatalytic Hydrogen Evolution: Molybdenum-Based Catalysts and Recent Advances. <i>ChemElectroChem</i> , <b>2019</b> , 6, 3570-3589	4.3	27
119	Sisyphus effects in hydrogen electrochemistry on metal silicides enabled by silicene subunit edge. <i>Science Bulletin</i> , <b>2019</b> , 64, 617-624	10.6	24
118	Yolk-shell Nb <sub>2</sub> O <sub>5</sub> microspheres as intercalation pseudocapacitive anode materials for high-energy Li-ion capacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11234-11240	13	58

117	Co <sub>0.5</sub> Ni <sub>0.5</sub> MoO <sub>4</sub> Double-Shelled Hollow Spheres with Enhanced Electrochemical Performance for Supercapacitors and Lithium-Ion Batteries. <i>Energy Technology</i> , <b>2019</b> , 7, 1801160	3.5	4
116	Heterogeneous Contraction-Mediated Asymmetric Carbon Colloids <b>2019</b> , 1, 290-296		14
115	Polyol Solvation Effect on Tuning the Universal Growth of Binary Metal Oxide Nanodots@Graphene Oxide Heterostructures for Electrochemical Applications. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 14604-14612	4.8	2
114	Building better zinc-ion batteries: A materials perspective. <i>EnergyChem</i> , <b>2019</b> , 1, 100022	36.9	97
113	Preparation of NiCoP-decorated g-C <sub>3</sub> N <sub>4</sub> as an efficient photocatalyst for H <sub>2</sub> O <sub>2</sub> production. <i>Research on Chemical Intermediates</i> , <b>2019</b> , 45, 5907-5917	2.8	20
112	Spray-pyrolysis-assisted synthesis of yolk@shell anatase with rich oxygen vacancies for efficient sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6740-6746	13	26
111	Hierarchical macro-mesoporous g-CN with an inverse opal structure and vacancies for high-efficiency solar energy conversion and environmental remediation. <i>Nanoscale</i> , <b>2019</b> , 11, 20638-20647	7.7	48
110	Low-Crystalline Bimetallic Metal-Organic Framework Electrocatalysts with Rich Active Sites for Oxygen Evolution. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 285-292	20.1	150
109	Realizing Three-Electron Redox Reactions in NASICON-Structured Na <sub>3</sub> MnTi(PO <sub>4</sub> ) <sub>3</sub> for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803436	21.8	89
108	Monodisperse Carbon Sphere-Constructed Pomegranate-Like Structures for High-Volumetric-Capacitance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4011-4018	9.5	53
107	CNT-assembled dodecahedra core@nickel hydroxide nanosheet shell enabled sulfur cathode for high-performance lithium-sulfur batteries. <i>Nano Energy</i> , <b>2019</b> , 55, 82-92	17.1	154
106	Yolk@Shell SiO <sub>2</sub> /C microspheres with semi-graphitic carbon coating on the exterior and interior surfaces for durable lithium storage. <i>Energy Storage Materials</i> , <b>2019</b> , 19, 299-305	19.4	92
105	Controllable Synthesis of Inverse Opal TiO <sub>2</sub> Photonic Crystals and Their Photoelectric Properties. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 322-327	4.5	6
104	Hierarchical Bimetallic Selenide Nanosheet-Constructed Nanotubes for Efficient Electrocatalytic Water Oxidation. <i>ChemElectroChem</i> , <b>2019</b> , 6, 331-335	4.3	11
103	Anions induced evolution of Co <sub>3</sub> X <sub>4</sub> (X = O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. <i>Nano Energy</i> , <b>2018</b> , 48, 617-629	17.1	171
102	Highly Durable NaVO <sub>3</sub> ·1.63H <sub>2</sub> O Nanowire Cathode for Aqueous Zinc-Ion Battery. <i>Nano Letters</i> , <b>2018</b> , 18, 1758-1763	11.5	403
101	Heterostructured BiS-BiO Nanosheets with a Built-In Electric Field for Improved Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 7201-7207	9.5	109
100	Monodisperse and homogeneous SiO <sub>2</sub> /C microspheres: A promising high-capacity and durable anode material for lithium-ion batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 112-118	19.4	136

99	Self-modification of g-C <sub>3</sub> N <sub>4</sub> with its quantum dots for enhanced photocatalytic activity. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 2617-2623	5.5	51
98	Bottom-Up Confined Synthesis of Nanorod-in-Nanotube Structured Sb@N-C for Durable Lithium and Sodium Storage. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703237	21.8	150
97	Graphene oxide-decorated Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> microflowers as a promising anode for lithium and sodium storage. <i>Nano Research</i> , <b>2018</b> , 11, 1285-1293	10	18
96	Ultrafine SiO <sub>x</sub> /C nanospheres and their pomegranate-like assemblies for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 14903-14909	13	71
95	g-C N Inverse Opals with Isotype Heterostructure for Enhanced Visible-Light-Driven Photocatalysis. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 3261-3267	4.5	14
94	Ultrafine Nickel-Nanoparticle-Enabled SiO <sub>2</sub> Hierarchical Hollow Spheres for High-Performance Lithium Storage. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704561	15.6	142
93	MoB/g-C <sub>3</sub> N <sub>4</sub> Interface Materials as a Schottky Catalyst to Boost Hydrogen Evolution. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 505-509	3.6	48
92	MoB/g-C N Interface Materials as a Schottky Catalyst to Boost Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 496-500	16.4	228
91	Tailoring porous carbon spheres for supercapacitors. <i>Nanoscale</i> , <b>2018</b> , 10, 21604-21616	7.7	64
90	Ni foam supported NiO nanosheets as high-performance free-standing electrodes for hybrid supercapacitors and NiZn batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 19488-19494	13	57
89	The Marriage of the FeN Moiety and MXene Boosts Oxygen Reduction Catalysis: Fe 3d Electron Delocalization Matters. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803220	24	157
88	Boosting the Deep Discharging/Charging Lithium Storage Performances of LiVO through Double-Carbon Decoration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23938-23944	9.5	33
87	Tailored Yolk-Shell Sn@C Nanoboxes for High-Performance Lithium Storage. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606023	15.6	154
86	Copper silicate nanotubes anchored on reduced graphene oxide for long-life lithium-ion battery. <i>Energy Storage Materials</i> , <b>2017</b> , 7, 152-156	19.4	51
85	Intricate Hollow Structures: Controlled Synthesis and Applications in Energy Storage and Conversion. <i>Advanced Materials</i> , <b>2017</b> , 29, 1602914	24	424
84	Low-crystalline iron oxide hydroxide nanoparticle anode for high-performance supercapacitors. <i>Nature Communications</i> , <b>2017</b> , 8, 14264	17.4	452
83	Methyl-functionalized MoS nanosheets with reduced lattice breathing for enhanced pseudocapacitive sodium storage. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 13696-13702	3.6	50
82	Thermal Induced Strain Relaxation of 1D Iron Oxide for Solid Electrolyte Interphase Control and Lithium Storage Improvement. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601582	21.8	70

81	Mass Production of Monodisperse Carbon Microspheres with Size-Dependent Supercapacitor Performance via Aqueous Self-Catalyzed Polymerization. <i>ChemPlusChem</i> , <b>2017</b> , 82, 872-878	2.8	35
80	New-type K <sub>0.7</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> cathode with an expanded and stabilized interlayer structure for high-capacity sodium-ion batteries. <i>Nano Energy</i> , <b>2017</b> , 35, 71-78	17.1	47
79	Interconnected LiCuVO networks with in situ Cu generation as high-performance lithium-ion battery anode. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 13341-13347	3.6	12
78	Facet-Selective Deposition of FeO on $\beta$ -MoO Nanobelts for Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39425-39431	9.5	33
77	Aerosol synthesis of trivalent titanium doped titania/carbon composite microspheres with superior sodium storage performance. <i>Nano Research</i> , <b>2017</b> , 10, 4351-4359	10	38
76	Zn/VO Aqueous Hybrid-Ion Battery with High Voltage Platform and Long Cycle Life. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 42717-42722	9.5	293
75	Metal-organic framework derived carbon-confined NiP nanocrystals supported on graphene for an efficient oxygen evolution reaction. <i>Chemical Communications</i> , <b>2017</b> , 53, 8372-8375	5.8	147
74	Porous and Low-Crystalline Manganese Silicate Hollow Spheres Wired by Graphene Oxide for High-Performance Lithium and Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24584-24590	9.5	53
73	Facile Synthesis of Bi <sub>2</sub> S <sub>3</sub> @SiO <sub>2</sub> Core-Shell Microwires as High-Performance Anode Materials for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A6110-A6115	3.9	17
72	Graphene Oxide Templated Growth and Superior Lithium Storage Performance of Novel Hierarchical Co <sub>2</sub> V <sub>2</sub> O <sub>7</sub> Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2812-8	9.5	61
71	Acetylene Black Induced Heterogeneous Growth of Macroporous CoV <sub>2</sub> O <sub>6</sub> Nanosheet for High-Rate Pseudocapacitive Lithium-Ion Battery Anode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7139-46	9.5	74
70	Antimony nanoparticles anchored in three-dimensional carbon network as promising sodium-ion battery anode. <i>Journal of Power Sources</i> , <b>2016</b> , 304, 340-345	8.9	96
69	Engineering Iron Oxide Hollow Nanospheres to Enhance Antimicrobial Property: Understanding the Cytotoxic Origin in Organic Rich Environment. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5408-5418	15.6	39
68	Layer-by-Layer Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Embedded in Reduced Graphene Oxide as Superior Rate and Ultralong-Life Sodium-Ion Battery Cathode. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600389	21.8	225
67	Polypyrrole-Coated Zinc Ferrite Hollow Spheres with Improved Cycling Stability for Lithium-Ion Batteries. <i>Small</i> , <b>2016</b> , 12, 3732-7	11	85
66	Binder-Free TiO <sub>2</sub> Monolith-Packed Pipette Tips for the Enrichment of Phosphorylated Peptides. <i>Australian Journal of Chemistry</i> , <b>2016</b> , 69, 1396	1.2	4
65	Ultralong SbSe Nanowire-Based Free-Standing Membrane Anode for Lithium/Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 35219-35226	9.5	110
64	Surfactant-Free Assembly of Mesoporous Carbon Hollow Spheres with Large Tunable Pore Sizes. <i>ACS Nano</i> , <b>2016</b> , 10, 4579-86	16.7	293

63	Kinetically Controlled Assembly of Nitrogen-Doped Invaginated Carbon Nanospheres with Tunable Mesopores. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14962-14967	4.8	14
62	Encapsulation of selenium sulfide in double-layered hollow carbon spheres as advanced electrode material for lithium storage. <i>Nano Research</i> , <b>2016</b> , 9, 3725-3734	10	37
61	Hollow Nanospheres: Engineering Iron Oxide Hollow Nanospheres to Enhance Antimicrobial Property: Understanding the Cytotoxic Origin in Organic Rich Environment (Adv. Funct. Mater. 30/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5579-5579	15.6	
60	Carbon-coated hierarchical NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> mesoporous microflowers with superior sodium storage performance. <i>Nano Energy</i> , <b>2016</b> , 28, 224-231	17.1	114
59	A systematic study on the synthesis of Fe <sub>2</sub> O <sub>3</sub> multi-shelled hollow spheres. <i>RSC Advances</i> , <b>2015</b> , 5, 10304-10309	3.7	39
58	Self-Organized Mesostructured Hollow Carbon Nanoparticles via a Surfactant-Free Sequential Heterogeneous Nucleation Pathway. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 6297-6304	9.6	81
57	Mesoporous LiVO/C Submicron-Ellipsoids Supported on Reduced Graphene Oxide as Practical Anode for High-Power Lithium-Ion Batteries. <i>Advanced Science</i> , <b>2015</b> , 2, 1500284	13.6	81
56	Nitrogen-doped ordered mesoporous carbon single crystals: aqueous organic-organic self-assembly and superior supercapacitor performance. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 24041-24048	13.88	13
55	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> , <b>2015</b> , 3, 19427-19432	13	62
54	Lattice Breathing Inhibited Layered Vanadium Oxide Ultrathin Nanobelts for Enhanced Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18211-7	9.5	76
53	Shaping Nanoparticles with Hydrophilic Compositions and Hydrophobic Properties as Nanocarriers for Antibiotic Delivery. <i>ACS Central Science</i> , <b>2015</b> , 1, 328-34	16.8	52
52	Synthesis of Magnesium Oxide Hierarchical Microspheres: A Dual-Functional Material for Water Remediation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 21278-86	9.5	95
51	Copper Silicate Hydrate Hollow Spheres Constructed by Nanotubes Encapsulated in Reduced Graphene Oxide as Long-Life Lithium-Ion Battery Anode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26572-8	9.5	71
50	Novel K <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Bundled Nanowires as Superior Sodium-Ion Battery Electrode with Ultrahigh Cycling Stability. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1500716	21.8	140
49	Encapsulation of Fe <sub>2</sub> O <sub>3</sub> nanoparticles in graphitic carbon microspheres as high-performance anode materials for lithium-ion batteries. <i>Nanoscale</i> , <b>2015</b> , 7, 3270-5	7.7	79
48	Fabrication of ordered mesoporous carbon hollow fiber membranes via a confined soft templating approach. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4144-4149	13	17
47	Tailoring the Void Size of Iron Oxide@Carbon Yolk-Shell Structure for Optimized Lithium Storage. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4337-4342	15.6	197
46	A combo-pore approach for the programmable extraction of peptides/proteins. <i>Nanoscale</i> , <b>2014</b> , 6, 5121-5	17.5	21

45	Highly crystallized Fe <sub>2</sub> O <sub>3</sub> nanocrystals on graphene: a lithium ion battery anode material with enhanced cycling. <i>RSC Advances</i> , <b>2014</b> , 4, 495-499	3.7	36
44	Cheap and scalable synthesis of Fe <sub>2</sub> O <sub>3</sub> multi-shelled hollow spheres as high-performance anode materials for lithium ion batteries. <i>Chemical Communications</i> , <b>2013</b> , 49, 8695-7	5.8	178
43	Confinement of chemisorbed phosphates in a controlled nanospace with three-dimensional mesostructures. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 5578-85	4.8	13
42	Designed synthesis of LiMn <sub>2</sub> O <sub>4</sub> microspheres with adjustable hollow structures for lithium-ion battery applications. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 837-842	13	50
41	Low-cost and large-scale synthesis of functional porous materials for phosphate removal with high performance. <i>Nanoscale</i> , <b>2013</b> , 5, 6173-80	7.7	52
40	Laser engineered graphene paper for mass spectrometry imaging. <i>Scientific Reports</i> , <b>2013</b> , 3, 1415	4.9	39
39	A simple approach to prepare monodisperse mesoporous silica nanospheres with adjustable sizes. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 376, 67-75	9.3	59
38	Double-shelled CoMn <sub>2</sub> O <sub>4</sub> hollow microcubes as high-capacity anodes for lithium-ion batteries. <i>Advanced Materials</i> , <b>2012</b> , 24, 745-8	24	618
37	Metal oxide hollow nanostructures for lithium-ion batteries. <i>Advanced Materials</i> , <b>2012</b> , 24, 1903-11	24	1327
36	LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Hollow Structures as High-Performance Cathodes for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 243-245	3.6	129
35	LiNi <sub>(0.5)</sub> Mn <sub>(1.5)</sub> O <sub>4</sub> hollow structures as high-performance cathodes for lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 239-41	16.4	309
34	Self-assembly of monodispersed silica nano-spheres with a closed-pore mesostructure. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 11523		17
33	Facile preparation of ZnMn <sub>2</sub> O <sub>4</sub> hollow microspheres as high-capacity anodes for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 827-829		226
32	Unusual Formation of Single-Crystal Manganese Sulfide Microboxes Co-mediated by the Cubic Crystal Structure and Shape. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7379-7382	3.6	24
31	Unusual formation of single-crystal manganese sulfide microboxes co-mediated by the cubic crystal structure and shape. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7267-70	16.4	87
30	Arrays of ultrafine CuS nanoneedles supported on a CNT backbone for application in supercapacitors. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 7851		235
29	Extensive Inspection of an Unconventional Mesoporous Silica Material at All Length-Scales. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 229-238	9.6	14
28	A designed nanoporous material for phosphate removal with high efficiency. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 2489		112

27	Magnetic-field induced formation of 1D Fe <sub>3</sub> O <sub>4</sub> /C/CdS coaxial nanochains as highly efficient and reusable photocatalysts for water treatment. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18359		134
26	Synthesis and in-vitro bioactivity of mesoporous bioactive glasses with tunable macropores. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 143, 157-165	5.3	23
25	A facile one-step solvothermal synthesis of SnO <sub>2</sub> /graphene nanocomposite and its application as an anode material for lithium-ion batteries. <i>ChemPhysChem</i> , <b>2011</b> , 12, 278-81	3.2	106
24	Hierarchical Cu <sub>4</sub> V <sub>2</sub> .15O <sub>9</sub> .38 micro-/nanostructures: a lithium intercalating electrode material. <i>Nanoscale</i> , <b>2011</b> , 3, 999-1003	7.7	24
23	A systematic study of long-range ordered 3D-SBA-15 materials by electron tomography. <i>New Journal of Chemistry</i> , <b>2011</b> , 35, 2456	3.6	24
22	Interconnected MoO <sub>2</sub> nanocrystals with carbon nanocoating as high-capacity anode materials for lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 4853-7	9.5	152
21	A silanol protection mechanism: Understanding the decomposition behavior of surfactants in mesostructured solids. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 804-814	2.5	11
20	MoO <sub>3</sub> Nanobelts: A High Performance Cathode Material for Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21868-21872	3.8	222
19	MoxW <sub>1-x</sub> O <sub>3</sub> ·0.33H <sub>2</sub> O Solid Solutions with Tunable Band Gaps. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 20947-20954	3.8	56
18	Nanosheet-Based Bi <sub>2</sub> MoxW <sub>1-x</sub> O <sub>6</sub> Solid Solutions with Adjustable Band Gaps and Enhanced Visible-Light-Driven Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 18812-18818	3.8	77
17	Synthesis of urchin-like CdWO <sub>4</sub> microspheres via a facile template free hydrothermal method. <i>CrystEngComm</i> , <b>2010</b> , 12, 3019	3.3	26
16	Synthesis of highly ordered and hydrothermally stable mesoporous materials using sodium silicate as a precursor. <i>Materials Letters</i> , <b>2010</b> , 64, 1543-1545	3.3	12
15	Electrochemical Properties of Ordered Mesoporous Carbon Film Adsorbed onto a Self-Assembled Alkanethiol Monolayer on Gold Electrode. <i>Electroanalysis</i> , <b>2009</b> , 21, 184-189	3	20
14	Simultaneous determination of dopamine, ascorbic acid and uric acid on ordered mesoporous carbon/Nafion composite film. <i>Journal of Electroanalytical Chemistry</i> , <b>2009</b> , 625, 82-87	4.1	132
13	On the equilibrium of helical nanostructures with ordered mesopores. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 16178-83	3.4	7
12	New Understanding and Simple Approach to Synthesize Highly Hydrothermally Stable and Ordered Mesoporous Materials. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5413-5425	9.6	67
11	Green Synthesis of Hexagonal-Shaped WO <sub>3</sub> ·0.33H <sub>2</sub> O Nanodiscs Composed of Nanosheets. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 3993-3998	3.5	87
10	Organosilica Multilamellar Vesicles with Tunable Number of Layers and Sponge-Like Walls via One Surfactant Templating. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6238-6243	9.6	45

9	Synthesis of Enantiomorphic Excessive Helical Mesoporous Silicas Using Chiral Molecular Dopants. <i>Chemistry Letters</i> , <b>2008</b> , 37, 1160-1161	1.7	8
8	Solving complex concentric circular mesostructures by using electron tomography. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 6670-3	16.4	24
7	Solving Complex Concentric Circular Mesostructures by Using Electron Tomography. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 6772-6775	3.6	3
6	Mesoporous bioactive glasses for controlled drug release. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 109, 210-215	5.3	103
5	Comprehensive understanding on the formation of highly ordered mesoporous tungsten oxides by X-ray diffraction and Raman spectroscopy. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 109, 248-257	5.3	45
4	Easy synthesis and supercapacities of highly ordered mesoporous polyacenes/carbons. <i>Carbon</i> , <b>2006</b> , 44, 1601-1604	10.4	26
3	Ultrathin Metal Silicate Hydroxide Nanosheets with Moderate Metal-Oxygen Covalency Enables Efficient Oxygen Evolution. <i>Energy and Environmental Materials</i> ,	13	6
2	Activating Inert Sites in Cobalt Silicate Hydroxides for Oxygen Evolution through Atomically Doping. <i>Energy and Environmental Materials</i> ,	13	3
1	Single-Atom Pt Loaded Zinc Vacancies ZnO/ZnS Induced Type-V Electron Transport for Efficiency Photocatalytic H <sub>2</sub> Evolution. <i>Solar Rrl</i> , 2100536	7.1	9