Lixiang Liu

List of Publications by Year
in descending order

38	1,905	201575 27	315616 38
papers	citations	h-index	g-index

39	39	39	3074
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antifreezing Hydrogel with High Zinc Reversibility for Flexible and Durable Aqueous Batteries by Cooperative Hydrated Cations. Advanced Functional Materials, 2020, 30, 1907218.	7.8	209
2	Gold coating for a high performance Li4Ti5O12 nanorod aggregates anode in lithium-ion batteries. Journal of Power Sources, 2014, 245, 624-629.	4.0	127
3	Tunable Pseudocapacitance in 3D TiO_{2â˜Î´} Nanomembranes Enabling Superior Lithium Storage Performance. ACS Nano, 2017, 11, 821-830.	7.3	124
4	General design of hollow porous CoFe₂O₄ nanocubes from metalâ€“organic frameworks with extraordinary lithium storage. Nanoscale, 2014, 6, 15168-15174.	2.8	122
5	Accurate hierarchical control of hollow crossed NiCo₂O₄ nanocubes for superior lithium storage. Nanoscale, 2014, 6, 5491-5497.	2.8	95
6	Hollow NiO nanotubes synthesized by bio-templates as the high performance anode materials of lithium-ion batteries. Electrochimica Acta, 2013, 114, 42-47.	2.6	93
7	Efficient Sodium Storage in Rolledâ€Up Amorphous Si Nanomembranes. Advanced Materials, 2018, 30, e1706637.	11.1	87
8	Advances on Microsized Onâ€Chip Lithiumâ€Ion Batteries. Small, 2017, 13, 1701847.	5.2	75
9	Self-assembled hierarchical yolkâ€“shell structured NiO@C from metalâ€“organic frameworks with outstanding performance for lithium storage. Chemical Communications, 2014, 50, 9485-9488.	2.2	59
10	On-chip 3D interdigital micro-supercapacitors with ultrahigh areal energy density. Energy Storage Materials, 2020, 27, 17-24.	9.5	54
11	Introducing Rolledâ€Up Nanotechnology for Advanced Energy Storage Devices. Advanced Energy Materials, 2016, 6, 1600797.	10.2	49
12	3D Ag/NiO-Fe2O3/Ag nanomembranes as carbon-free cathode materials for Li-O2 batteries. Energy Storage Materials, 2019, 16, 155-162.	9.5	49
13	Stamping Fabrication of Flexible Planar Microâ€Supercapacitors Using Porous Graphene Inks. Advanced Science, 2020, 7, 2001561.	5.6	49
14	Designed hierarchical synthesis of ring-shaped Bi₂WO₆@CeO₂ hybrid nanoparticle aggregates for photocatalytic detoxification of cyanide. Green Chemistry, 2014, 16, 2539-2545.	4.6	46
15	Designed hierarchical MnO₂ microspheres assembled from nanofilms for removal of heavy metal ions. RSC Advances, 2014, 4, 14048-14054.	1.7	46
16	Morphology-controlled synthesis of cage-bell Pd@CeO2 structured nanoparticle aggregates as catalysts for the low-temperature oxidation of CO. Journal of Materials Chemistry A, 2013, 1, 7494.	5.2	41
17	Elucidating the reaction kinetics of lithiumâ€“sulfur batteries by operando XRD based on an open-hollow S@MnO₂ cathode. Journal of Materials Chemistry A, 2019, 7, 6651-6658.	5.2	41
18	Hierarchical hollow Fe2O3@MIL-101(Fe)/C derived from metal-organic frameworks for superior sodium storage. Scientific Reports, 2016, 6, 25556.	1.6	40

#	Article	IF	Citations
19	Shape-controlled synthesis of Ag@TiO2 cage-bell hybrid structure with enhanced photocatalytic activity and superior lithium storage. Green Chemistry, 2013, 15, 2810.	4.6	39
20	Selfâ€Assembled Flexible and Integratable 3D Microtubular Asymmetric Supercapacitors. Advanced Science, 2019, 6, 1901051.	5.6	39
21	Coreâ€“shell TiO2 microsphere with enhanced photocatalytic activity and improved lithium storage. Journal of Solid State Chemistry, 2013, 201, 137-143.	1.4	38
22	Rationally engineered amorphous TiOx/Si/TiOx nanomembrane as an anode material for high energy lithium ion battery. Energy Storage Materials, 2018, 12, 23-29.	9.5	38
23	Controlled synthesis of hollow octahedral ZnCo₂O₄ nanocages assembled from ultrathin 2D nanosheets for enhanced lithium storage. Nanoscale, 2017, 9, 17174-17180.	2.8	36
24	Hierarchical synthesis of Moâ€“Sn oxide cage-bell hybrid structures with superior lithium storage. Chemical Communications, 2014, 50, 673-675.	2.2	35
25	Battery-Everywhere Design Based on a Cathodeless Configuration with High Sustainability and Energy Density. ACS Energy Letters, 2021, 6, 1859-1868.	8.8	35
26	Self-assembly formation of hollow Ni-Fe-O nanocage architectures by metal-organic frameworks with high-performance lithium storage. Scientific Reports, 2015, 5, 13310.	1.6	34
27	Reinforcing Germanium Electrode with Polymer Matrix Decoration for Long Cycle Life Rechargeable Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 38556-38566.	4.0	29
28	Templateâ€Free Fabrication of Hollow NiOâ€“Carbon Hybrid Nanoparticle Aggregates with Improved Lithium Storage. Particle and Particle Systems Characterization, 2014, 31, 374-381.	1.2	26
29	Towards high-performance microscale batteries: Configurations and optimization of electrode materials by in-situ analytical platforms. Energy Storage Materials, 2020, 29, 17-41.	9.5	25
30	Artificial electrode interfaces enable stable operation of freestanding anodes for high-performance flexible lithium ion batteries. Journal of Materials Chemistry A, 2019, 7, 14097-14107.	5.2	21
31	PVD customized 2D porous amorphous silicon nanoflakes percolated with carbon nanotubes for high areal capacity lithium ion batteries. Journal of Materials Chemistry A, 2020, 8, 4836-4843.	5.2	21
32	Advanced architecture designs towards high-performance 3D microbatteries. Nano Materials Science, 2020, , .	3.9	18
33	Morphology-controlled synthesis of Ti3+ self-doped yolkâ€“shell structure titanium oxide with superior photocatalytic activity under visible light. Journal of Solid State Chemistry, 2014, 213, 98-103.	1.4	14
34	Morphology-controlled construction of hierarchical hollow hybrid SnO2@TiO2 nanocapsules with outstanding lithium storage. Scientific Reports, 2015, 5, 15252.	1.6	13
35	Hierarchical hollow TiO₂@CeO₂ nanocube heterostructures for photocatalytic detoxification of cyanide. RSC Advances, 2015, 5, 11733-11737.	1.7	13
36	Decoding of Oxygen Network Distortion in a Layered High-Rate Anode by In Situ Investigation of a Single Microelectrode. ACS Nano, 2020, 14, 11753-11764.	7.3	10

#	Article	IF	Citations
37	Stressâ€Actuated Spiral Microelectrode for Highâ€Performance Lithiumâ€Ion Microbatteries. Small, 2020, 16, e2002410.	5.2	8
38	A compact tube-in-tube microsized lithium-ion battery as an independent microelectric power supply unit. Cell Reports Physical Science, 2021, 2, 100429.	2.8	7