Xue Li

List of Publications by Year
in descending order

45 papers	1,583 citations	331670 21 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	2223 citing authors

#	Article	IF	Citations
1	Expanded biomass-derived hard carbon with ultra-stable performance in sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 1513-1522.	10.3	198
2	Synthesis of single crystalline hexagonal nanobricks of LiNi1/3Co1/3Mn1/3O2 with high percentage of exposed {010} active facets as high rate performance cathode material for lithium-ion battery. Journal of Materials Chemistry A, 2013, 1, 3860.	10.3	195
3	Honeycomb-like Hard Carbon Derived from Pine Pollen as High-Performance Anode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 42796-42803.	8.0	129
4	One-Dimensional Cu_{2â€“x}Se Nanorods as the Cathode Material for High-Performance Aluminum-Ion Battery. ACS Applied Materials & Interfaces, 2018, 10, 17942-17949.	8.0	111
5	Synthesis of Oneâ€Dimensional Copper Sulfide Nanorods as Highâ€Performance Anode in Lithium Ion Batteries. ChemSusChem, 2014, 7, 3328-3333.	6.8	80
6	Fast Solution-Combustion Synthesis of Nitrogen-Modified Li₄Ti₅O₁₂Nanomaterials with Improved Electrochemical Performance. ACS Applied Materials & Interfaces, 2014, 6, 7895-7901.	8.0	68
7	Elucidating electrochemical intercalation mechanisms of biomassâ€derived hard carbon in sodiumâ€/potassiumâ€ion batteries. , 2021, 3, 541-553.		64
8	Design of ultralong-life Liâ€“CO₂ batteries with IrO₂ nanoparticles highly dispersed on nitrogen-doped carbon nanotubes. Journal of Materials Chemistry A, 2020, 8, 3763-3770.	10.3	58
9	The transport properties of sodium-ion in the low potential platform region of oatmeal-derived hard carbon for sodium-ion batteries. Journal of Alloys and Compounds, 2019, 787, 229-238.	5.5	47
10	IrO2 nanoparticles highly dispersed on nitrogen-doped carbon nanotubes as an efficient cathode catalyst for high-performance Li-O2 batteries. Ceramics International, 2017, 43, 14082-14089.	4.8	46
11	Superiority of the bi-phasic mixture of a tin-based alloy nanocomposite as the anode for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 3794-3800.	10.3	43
12	Beneficial effect of incorporating Ni-rich oxide and layered over-lithiated oxide into high-energy-density cathode materials for lithium-ion batteries. Journal of Power Sources, 2018, 400, 341-349.	7.8	40
13	Enhancing the high-voltage performances of Ni-rich cathode materials by homogeneous La2O3 coating via a freeze-drying assisted method. Ceramics International, 2018, 44, 14660-14666.	4.8	35
14	The role of boracic polyanion substitution on structure and high voltage electrochemical performance of Ni-Rich cathode materials for lithium ion batteries. Journal of Alloys and Compounds, 2019, 805, 1288-1296.	5.5	35
15	Combustion combined with ball milling to produce nanoscale La2O3 coated on LiMn2O4 for optimized Li-ion storage performance at high temperature. Journal of Applied Electrochemistry, 2018, 48, 135-145.	2.9	33
16	Facile synthesis of hollow Cu2Sb@C coreâ€“shell nanoparticles as a superior anode material for lithium ion batteries. Journal of Materials Chemistry, 2011, 21, 18517.	6.7	32
17	A facile structure design of LiNi0.90Co0.07Al0.03O2 as advanced cathode materials for lithium ion batteries via carbonation decomposition of NaAl(OH)4 solution. Journal of Alloys and Compounds, 2018, 739, 335-344.	5.5	31
18	Research Progress toward Room Temperature Sodium Sulfur Batteries: A Review. Molecules, 2021, 26, 1535.	3.8	27

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19	A photochromic zinc-based coordination polymer for a Li-ion battery anode with high capacity and stable cycling stability. Dalton Transactions, 2018, 47, 13222-13228.	3.3	24
20	Molten salt electrolytic synthesis of silicon-copper composite nanowires with enhanced performances as lithium ion battery anode. Journal of Alloys and Compounds, 2018, 751, 307-315.	5.5	23
21	Morphology-selected synthesis of copper ferrite via spray drying with excellent sodium storage properties. Ceramics International, 2019, 45, 20796-20802.	4.8	23
22	An inorganicâ€“organic hybrid supramolecular framework as a high-performance anode for lithium-ion batteries. Dalton Transactions, 2018, 47, 5166-5170.	3.3	22
23	The application of plasma treatment for Ti3+ modified TiO2 nanowires film electrode with enhanced lithium-storage properties. Electrochimica Acta, 2016, 211, 395-403.	5.2	21
24	TiO2â€“MoS2 hybrid nano composites with 3D network architecture as binder-free flexible electrodes for lithium ion batteries. Journal of Materials Science: Materials in Electronics, 2017, 28, 9519-9527.	2.2	21
25	Insight into the Redox Reaction Heterogeneity within Secondary Particles of Nickel-Rich Layered Cathode Materials. ACS Applied Materials & Interfaces, 2021, 13, 27074-27084.	8.0	20
26	Simple solution-combustion synthesis of Fe2TiO5 nanomaterials with enhanced lithium storage properties. Ceramics International, 2019, 45, 11382-11387.	4.8	18
27	Green energy application technology of litchi pericarp-derived carbon material with high performance. Journal of Cleaner Production, 2021, 286, 124960.	9.3	18
28	The impact of the crystal structure and morphology on the electrochemical performance for CuFe2O4 in sodium ion batteries. Ceramics International, 2018, 44, 18471-18477.	4.8	16
29	Synthesis of Spherical Al-Doping LiMn2O4 via a High-Pressure Spray-Drying Method as Cathode Materials for Lithium-Ion Batteries. Jom, 2019, 71, 608-612.	1.9	16
30	Self-organized TiO2 network decorated with SnO2 nanoparticles as an anode for lithium-ion batteries. Journal of Alloys and Compounds, 2018, 752, 68-75.	5.5	15
31	A lanthanide-based coordination polymer as lithium ion battery anode with high cyclic stability. Materials Letters, 2019, 238, 171-174.	2.6	14
32	Design high performance biomass-derived renewable carbon material for electric energy storage system. Journal of Cleaner Production, 2021, 309, 127391.	9.3	10
33	Enhanced High-Voltage Cycling Stability of Nickel-Rich Cathode Materials by Surface Modification Using LaFeO3 Ionic Conductor. Jom, 2019, 71, 1975-1980.	1.9	9
34	A multifunctional Cu6Sn5 interface layer for dendritic-free lithium metal anode. Journal of Colloid and Interface Science, 2022, 605, 223-230.	9.4	8
35	Simple and Efficient Combustion Method for Preparation of High-Performance Co3O4 Anode Materials for Lithium-Ion Batteries. Jom, 2020, 72, 3296-3302.	1.9	6
36	Research status and perspectives of rechargeable Li-CO2 battery. Ionics, 2021, 27, 2785-2802.	2.4	6

#	Article	IF	Citations
37	Application and research of current collector for lithium-sulfur battery. Ionics, 2022, 28, 1713-1738.	2.4	6
38	A simple preparation route for polysilicate titanium salt from spent titanium solutions. Water Science and Technology, 2019, 80, 1347-1356.	2.5	4
39	Low-Cost Fabrication of Silicon Nanowires by Molten Salt Electrolysis and Their Electrochemical Performances as Lithium-Ion Battery Anodes. Jom, 2020, 72, 2245-2249.	1.9	4
40	Fast solution combustion synthesis of porous NaFeTi3O8 with superior sodium storage properties. Electronic Materials Letters, 2018, 14, 23-29.	2.2	3
41	Effect of citric acid-to-nitrate ratio on combustion synthesis of CuFe2O4 for sodium-ion storage. Journal of Materials Science: Materials in Electronics, 2021, 32, 94-101.	2.2	3
42	Simple preparation of nano-anatase titanium dioxide from cold rolled titanic acid waste liquid. Ionics, 2021, 27, 2119-2126.	2.4	1
43	Back Cover Image, Volume 3, Number 4, August 2021. , 2021, 3, ii.		0
44	Preparation and Electrochemical Performance of a S-Se-Ti3C2Tx/TiO2 Cathode. Jom, 2021, 73, 4103.	1.9	0
45	Pt3Ni@C Composite Material Designed and Prepared Based on Volcanic Catalytic Curve and Its High-Performance Static Lithium Polysulfide Semiliquid Battery. Nanomaterials, 2021, 11, 3416.	4.1	0