Lili Zhang

List of Publications by Year
in descending order

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40 papers	6,905 citations	201674 27 h-index	289244 40 g-index
40 all docs	40 docs citations	40 times ranked	10261 citing authors

#	Article	IF	Citations
1	Substrate Engineering for CVD Growth of Single Crystal Graphene. Small Methods, 2021, 5, e2001213.	8.6	25
2	Electrochemical Preparation of Lithium-Rich Graphite Anode for LiFePO4 Battery. High Energy Chemistry, 2020, 54, 441-454.	0.9	7
3	Controllable fabrication of graphitic nanocarbon encapsulating FexNiy hybrids for efficient splitting of water. Journal of Alloys and Compounds, 2020, 829, 154421.	5.5	2
4	Lotus root-like porous carbon for potassium ion battery with high stability and rate performance. Journal of Power Sources, 2020, 466, 228303.	7.8	22
5	A general strategy for in-situ fabrication of uniform carbon nanotubes on three-dimensional carbon architectures for electrochemical application. Applied Surface Science, 2019, 496, 143704.	6.1	13
6	Effective Oxygen Reduction Reaction Performance of FeCo Alloys In Situ Anchored on Nitrogen-Doped Carbon by the Microwave-Assistant Carbon Bath Method and Subsequent Plasma Etching. Nanomaterials, 2019, 9, 1284.	4.1	19
7	High efficient oxygen reduction performance of Fe/Fe3C nanoparticles in situ encapsulated in nitrogen-doped carbon via a novel microwave-assisted carbon bath method. Nano Materials Science, 2019, 1, 131-136.	8.8	9
8	In Situ-Generated Supported Potassium Lactate: Stable Catalysis for Vapor-Phase Dehydration of Lactic Acid to Acrylic Acid. ACS Omega, 2019, 4, 8146-8166.	3.5	6
9	Simultaneous Immobilization and Conversion of Polysulfides on Co₃O₄â€“CoN Heterostructured Mediators toward High-Performance Lithiumâ€“Sulfur Batteries. ACS Applied Energy Materials, 2019, 2, 2570-2578.	5.1	18
10	Selection of graphene dopants for Na3V2(PO4)3 graphene composite as high rate, ultra long-life sodium-ion battery cathodes. Electrochimica Acta, 2019, 306, 558-567.	5.2	21
11	Unraveling the Potassium Storage Mechanism in Graphite Foam. Advanced Energy Materials, 2019, 9, 1900579.	19.5	133
12	Low-Charge-Carrier-Scattering Three-Dimensional Î±-MnO₂/Î²-MnO₂ Networks for Ultra-High-Rate Asymmetrical Supercapacitors. ACS Applied Energy Materials, 2019, 2, 1051-1059.	5.1	30
13	Controllable synthesis of MnO₂ nanostructures anchored on graphite foam with different morphologies for a high-performance asymmetric supercapacitor. CrystEngComm, 2018, 20, 1690-1697.	2.6	38
14	Structural Directed Growth of Ultrathin Parallel Birnessite on Î²-MnO₂ for High-Performance Asymmetric Supercapacitors. ACS Nano, 2018, 12, 1033-1042.	14.6	436
15	Advanced Energy Storage Devices: Basic Principles, Analytical Methods, and Rational Materials Design. Advanced Science, 2018, 5, 1700322.	11.2	1,043
16	Doubleâ€Shelled Phosphorus and Nitrogen Codoped Carbon Nanospheres as Efficient Polysulfide Mediator for Highâ€Performance Lithiumâ€“Sulfur Batteries. Advanced Science, 2018, 5, 1800621.	11.2	83
17	Construction of vertically aligned PPy nanosheets networks anchored on MnCo2O4 nanobelts for high-performance asymmetric supercapacitor. Journal of Power Sources, 2018, 393, 169-176.	7.8	76
18	Fabrication of mesoporous gold networks@MnO2 for high-performance supercapacitors. Gold Bulletin, 2017, 50, 61-68.	2.4	10

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19	Few-Layered Trigonal WS₂ Nanosheet-Coated Graphite Foam as an Efficient Free-Standing Electrode for a Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 30591-30598.	8.0	56
20	Selective conversion of lactic acid to acrylic acid over alkali and alkaline-earth metal co-modified NaY zeolites. Catalysis Science and Technology, 2017, 7, 6101-6111.	4.1	26
21	Nitrogen-Doped Banana Peelâ€“Derived Porous Carbon Foam as Binder-Free Electrode for Supercapacitors. Nanomaterials, 2016, 6, 18.	4.1	65
22	Dehydration of lactic acid to acrylic acid over lanthanum phosphate catalysts: the role of Lewis acid sites. Physical Chemistry Chemical Physics, 2016, 18, 23746-23754.	2.8	29
23	Liquid-Solid-Solution Assembly of CoFe 2 O 4 /Graphene Nanocomposite as a High-Performance Lithium-Ion Battery Anode. Electrochimica Acta, 2016, 215, 247-252.	5.2	41
24	Recent advances in graphene-based hybrid nanostructures for electrochemical energy storage. Nanoscale Horizons, 2016, 1, 340-374.	8.0	92
25	Graphene-supported non-precious metal electrocatalysts for oxygen reduction reactions: the active center and catalytic mechanism. Journal of Materials Chemistry A, 2016, 4, 7148-7154.	10.3	17
26	Aqueous Rechargeable Alkaline Co_xNi_{2â€“x}S₂/TiO₂ Battery. ACS Nano, 2016, 10, 1007-1016.	14.6	123
27	Rational design of polyaniline/MnO₂/carbon cloth ternary hybrids as electrodes for supercapacitors. RSC Advances, 2015, 5, 66311-66317.	3.6	36
28	Large area CVD growth of graphene. Synthetic Metals, 2015, 210, 95-108.	3.9	182
29	Binary metal sulfides and polypyrrole on vertically aligned carbon nanotube arrays/carbon fiber paper as high-performance electrodes. Journal of Materials Chemistry A, 2015, 3, 22043-22052.	10.3	36
30	High Electrochemical Performance of LiFePO4 Cathode Material via In-Situ Microwave Exfoliated Graphene Oxide. Electrochimica Acta, 2015, 151, 240-248.	5.2	42
31	A Flexible Alkaline Rechargeable Ni/Fe Battery Based on Graphene Foam/Carbon Nanotubes Hybrid Film. Nano Letters, 2014, 14, 7180-7187.	9.1	346
32	Facile synthesis of hierarchical Co3O4@MnO2 coreâ€“shell arrays on Ni foam for asymmetric supercapacitors. Journal of Power Sources, 2014, 252, 98-106.	7.8	354
33	Overwhelming microwave irradiation assisted synthesis of olivine-structured LiMPO4 (M=Fe, Mn, Co) Tj ETQq1 1 0.784314 rgBT /Ove	16.0	56
34	Controllable seeding of single crystal graphene islands from graphene oxide flakes. Carbon, 2014, 79, 406-412.	10.3	27
35	Mechanism studies of LiFePO₄cathode material: lithiation/delithiation process, electrochemical modification and synthetic reaction. RSC Advances, 2014, 4, 54576-54602.	3.6	44
36	High-performance flexible asymmetric supercapacitors based on a new graphene foam/carbon nanotube hybrid film. Energy and Environmental Science, 2014, 7, 3709-3719.	30.8	557

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37	Self-Assembly of Mesoporous Nanotubes Assembled from Interwoven Ultrathin Birnessite-type MnO2 Nanosheets for Asymmetric Supercapacitors. Scientific Reports, 2014, 4, 3878.	3.3	285
38	Ultrathin Graphite Foam: A Three-Dimensional Conductive Network for Battery Electrodes. Nano Letters, 2012, 12, 2446-2451.	9.1	382
39	Incorporation of Manganese Dioxide within Ultraporous Activated Graphene for High-Performance Electrochemical Capacitors. ACS Nano, 2012, 6, 5404-5412.	14.6	345
40	Graphene-Wrapped Fe₃O₄ Anode Material with Improved Reversible Capacity and Cyclic Stability for Lithium Ion Batteries. Chemistry of Materials, 2010, 22, 5306-5313.	6.7	1,773