

Jian-Qiu Huang

List of Publications by Citations

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34
papers

2,239
citations

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h-index

35
g-index

35
ext. papers

2,519
ext. citations

12.7
avg, IF

5.1
L-index

#	Paper	IF	Citations
34	Porous graphene oxide/carbon nanotube hybrid films as interlayer for lithium-sulfur batteries. <i>Carbon</i> , 2016 , 99, 624-632	10.4	216
33	Electrospun Carbon Nanofibers with in Situ Encapsulated Co ₃ O ₄ Nanoparticles as Electrodes for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 13503-11	9.5	165
32	Lithium-Sulfur Battery Cable Made from Ultralight, Flexible Graphene/Carbon Nanotube/Sulfur Composite Fibers. <i>Advanced Functional Materials</i> , 2017 , 27, 1604815	15.6	147
31	Novel interlayer made from Fe ₃ C/carbon nanofiber webs for high performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015 , 285, 43-50	8.9	143
30	Cobalt carbonate/ and cobalt oxide/graphene aerogel composite anodes for high performance Li-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18971-80	9.5	118
29	Revealing Pseudocapacitive Mechanisms of Metal Dichalcogenide SnS ₂ /Graphene-CNT Aerogels for High-Energy Na Hybrid Capacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1702488	21.8	107
28	Nanostructures of solid electrolyte interphases and their consequences for microsized Sn anodes in sodium ion batteries. <i>Energy and Environmental Science</i> , 2019 , 12, 1550-1557	35.4	103
27	Enhanced conversion reaction kinetics in low crystallinity SnO ₂ /CNT anodes for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10964-10973	13	102
26	Co ₃ O ₄ /porous electrospun carbon nanofibers as anodes for high performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16939-16944	13	102
25	Heterogeneous, mesoporous NiCo ₂ O ₄ /MnO ₂ /graphene foam for asymmetric supercapacitors with ultrahigh specific energies. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3547-3557	13	91
24	Three-Dimensional Porous Graphene Aerogel Cathode with High Sulfur Loading and Embedded TiO ₂ Nanoparticles for Advanced Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28663-28670	9.5	87
23	Rational Assembly of Hollow Microporous Carbon Spheres as P Hosts for Long-Life Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702267	21.8	74
22	Novel 2D Sb ₂ S ₃ Nanosheet/CNT Coupling Layer for Exceptional Polysulfide Recycling Performance. <i>Advanced Energy Materials</i> , 2018 , 8, 1800710	21.8	74
21	Electrospun graphitic carbon nanofibers with in-situ encapsulated Co ₃ O ₄ nanoparticles as freestanding electrodes for LiO ₂ batteries. <i>Carbon</i> , 2016 , 100, 329-336	10.4	72
20	In Situ TEM Study of Volume Expansion in Porous Carbon Nanofiber/Sulfur Cathodes with Exceptional High-Rate Performance. <i>Advanced Energy Materials</i> , 2017 , 7, 1602078	21.8	69
19	Sb-doped SnO ₂ /graphene-CNT aerogels for high performance Li-ion and Na-ion battery anodes. <i>Energy Storage Materials</i> , 2017 , 9, 85-95	19.4	65
18	Carbon-coated mesoporous silicon microsphere anodes with greatly reduced volume expansion. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6098-6106	13	62

17	Understanding the roles of activated porous carbon nanotubes as sulfur support and separator coating for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018 , 268, 1-9	6.7	49
16	Study of lithiation mechanisms of high performance carbon-coated Si anodes by in-situ microscopy. <i>Energy Storage Materials</i> , 2016 , 3, 45-54	19.4	41
15	Electrosprayed multiscale porous carbon microspheres as sulfur hosts for long-life lithium-sulfur batteries. <i>Carbon</i> , 2019 , 141, 16-24	10.4	41
14	Controlled synthesis of cobalt carbonate/graphene composites with excellent supercapacitive performance and pseudocapacitive characteristics. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17827-17836	13	38
13	In-situ TEM examination and exceptional long-term cyclic stability of ultrafine Fe ₃ O ₄ nanocrystal/carbon nanofiber composite electrodes. <i>Energy Storage Materials</i> , 2015 , 1, 25-34	19.4	37
12	Nanocavity-engineered Si/multi-functional carbon nanofiber composite anodes with exceptional high-rate capacities. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17944-17951	13	37
11	Carbon nanofibers containing Si nanoparticles and graphene-covered Ni for high performance anodes in Li ion batteries. <i>RSC Advances</i> , 2014 , 4, 22359-22366	3.7	34
10	A high-performance lithium ion oxygen battery consisting of Li ₂ O ₂ cathode and lithiated aluminum anode with nafion membrane for reduced O ₂ crossover. <i>Nano Energy</i> , 2017 , 40, 258-263	17.1	31
9	Preserved Layered Structure Enables Stable Cyclic Performance of MoS ₂ upon Potassium Insertion. <i>Chemistry of Materials</i> , 2019 , 31, 8801-8809	9.6	27
8	Graphene/RuO ₂ nanocrystal composites as sulfur host for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2019 , 35, 204-211	12	21
7	Hybrid Aqueous/Organic Electrolytes Enable the High-Performance Zn-Ion Batteries. <i>Research</i> , 2019 , 2019, 2635310	7.8	21
6	Highly conductive porous graphene/sulfur composite ribbon electrodes for flexible lithium-sulfur batteries. <i>Nanoscale</i> , 2018 , 10, 21132-21141	7.7	20
5	KVPOF as a novel insertion-type anode for potassium ion batteries. <i>Chemical Communications</i> , 2019 , 55, 11311-11314	5.8	18
4	Realizing high-performance Zn-ion batteries by a reduced graphene oxide block layer at room and low temperatures. <i>Journal of Energy Chemistry</i> , 2020 , 43, 1-7	12	14
3	Exploring the structure evolution of MoS upon Li/Na/K ion insertion and the origin of the unusual stability in potassium ion batteries. <i>Nanoscale Horizons</i> , 2020 , 5, 1618-1627	10.8	7
2	Critical roles of microstructure and interphase on the stability of micro-sized germanium anode. <i>Journal of Power Sources</i> , 2021 , 481, 228916	8.9	4
1	Advances in multi-functional flexible interlayers for Li ⁺ batteries and metal-based batteries. <i>Materials Today Communications</i> , 2021 , 28, 102566	2.5	2