Qing-Hong Wang

List of Publications by Year
in descending order

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37	3,101	172457	330143
papers	citations	29 h-index	37 g-index

37	37	37	4318
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bio-inspired design of anin situmultifunctional polymeric solidâ€“electrolyte interphase for Zn metal anode cycling at 30 mA cm^{â¯2}and 30 mA h cm^{â¯2}. Energy and Environmental Science, 2021, 14, 5947-5957.	30.8	289
2	Co3S4 hollow nanospheres grown on graphene as advanced electrode materials for supercapacitors. Journal of Materials Chemistry, 2012, 22, 21387.	6.7	287
3	CoS₂ Hollow Spheres: Fabrication and Their Application in Lithium-Ion Batteries. Journal of Physical Chemistry C, 2011, 115, 8300-8304.	3.1	282
4	In Situ Construction of 3D Interconnected FeS@Fe₃C@Graphitic Carbon Networks for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Functional Materials, 2017, 27, 1703390.	14.9	219
5	Constructing CoO/Co₃S₄ Heterostructures Embedded in Nâ€doped Carbon Frameworks for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Functional Materials, 2019, 29, 1901925.	14.9	169
6	Novel flower-like CoS hierarchitectures: one-pot synthesis and electrochemical properties. Journal of Materials Chemistry, 2011, 21, 327-329.	6.7	144
7	Facile synthesis and superior supercapacitor performances of three-dimensional cobalt sulfide hierarchitectures. CrystEngComm, 2011, 13, 6960.	2.6	144
8	Nitrogen doped porous carbon as excellent dual anodes for Li- and Na-ion batteries. Chinese Chemical Letters, 2020, 31, 583-588.	9.0	144
9	Facile synthesis of hierarchical porous ZnCo₂O₄ microspheres for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 982-985.	10.3	135
10	Interface Engineering via Ti3C2Tx MXene Electrolyte Additive toward Dendrite-Free Zinc Deposition. Nano-Micro Letters, 2021, 13, 89.	27.0	130
11	Facile carbonaceous microsphere templated synthesis of Co3O4 hollow spheres and their electrochemical performance in supercapacitors. Nano Research, 2013, 6, 87-98.	10.4	91
12	Nickel sulfide-based energy storage materials for high-performance electrochemical capacitors. Rare Metals, 2021, 40, 353-373.	7.1	81
13	General Synthesis of Porous Mixed Metal Oxide Hollow Spheres with Enhanced Supercapacitive Properties. ACS Applied Materials & Interfaces, 2016, 8, 17226-17232.	8.0	80
14	Facile preparation and electrochemical properties of hierarchical chrysanthemum-like WO3Â·0.33H2O. Journal of Materials Chemistry, 2012, 22, 3699.	6.7	70
15	Facile fabrication and supercapacitive properties of mesoporous zinc cobaltite microspheres. Journal of Power Sources, 2015, 284, 138-145.	7.8	62
16	A high-areal-capacity lithiumâ€“sulfur cathode achieved by a boron-doped carbonâ€“sulfur aerogel with consecutive coreâ€“shell structures. Chemical Communications, 2019, 55, 1084-1087.	4.1	62
17	Extraordinary lithium ion storage capability achieved by SnO₂ nanocrystals with exposed {221} facets. Nanoscale, 2018, 10, 16217-16230.	5.6	55
18	Morphology control of CoCO3 crystals and their conversion to mesoporous Co3O4 for alkaline rechargeable batteries application. CrystEngComm, 2013, 15, 6101.	2.6	53

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19	Reduced Graphene Oxide-Wrapped FeS2 Composite as Anode for High-Performance Sodium-Ion Batteries. Nano-Micro Letters, 2018, 10, 30.	27.0	53
20	Dendrite-free Zn anodes enabled by functional nitrogen-doped carbon protective layers for aqueous zinc-ion batteries. Dalton Transactions, 2020, 49, 17629-17634.	3.3	53
21	SnO2 quantum dots modified N-doped carbon as high-performance anode for lithium ion batteries by enhanced pseudocapacitance. Rare Metals, 2021, 40, 48-56.	7.1	51
22	Hierarchical Carbon@SnS₂ Aerogel with â€œSkeleton/Skinâ€•Architectures as a High-Capacity, High-Rate Capability and Long Cycle Life Anode for Sodium Ion Storage. ACS Applied Materials & Interfaces, 2018, 10, 37434-37444.	8.0	48
23	Superior gas-sensing and lithium-storage performance SnO2 nanocrystals synthesized by hydrothermal method. CrystEngComm, 2011, 13, 6077.	2.6	45
24	Fe2O3/C-modified Si nanoparticles as anode material for high-performance lithium-ion batteries. Journal of Alloys and Compounds, 2019, 795, 284-290.	5.5	43
25	Rational Design of Unique ZnO/ZnS@N-C Heterostructures for High-Performance Lithium-Ion Batteries. Journal of Physical Chemistry Letters, 2020, 11, 905-912.	4.6	41
26	Facile Fabrication of Honeycomb-like Carbon Network-Encapsulated Fe/Fe₃C/Fe₃O₄ with Enhanced Li-Storage Performance. ACS Applied Materials & Interfaces, 2018, 10, 35994-36001.	8.0	39
27	Dual carbon-modified nickel sulfide composites toward high-performance electrodes for supercapacitors. Inorganic Chemistry Frontiers, 2019, 6, 226-232.	6.0	39
28	Improved dehydrogenation performance of LiBH4 by 3D hierarchical flower-like MoS2 spheres additives. Journal of Power Sources, 2015, 300, 358-364.	7.8	36
29	Unique Flexible NiFe₂O₄@S/rGOâ€“CNT Electrode via the Synergistic Adsorption/Electrocatalysis Effect toward High-Performance Lithiumâ€“Sulfur Batteries. Journal of Physical Chemistry Letters, 2019, 10, 6518-6524.	4.6	32
30	Surface Protection and Interface Regulation for Zn Anode via 1â€Hydroxy Ethylideneâ€1,1â€Diphosphonic Acid Electrolyte Additive toward Highâ€Performance Aqueous Batteries. Small, 2022, 18, e2107398.	10.0	22
31	High Areal Capacitance for Lithium Ion Storage Achieved by a Hierarchical Carbon/MoS₂ Aerogel with Vertically Aligned Pores. ACS Applied Energy Materials, 2018, 1, 4814-4823.	5.1	21
32	Toward Stable Zinc-Ion Batteries: Use of a Chelate Electrolyte Additive for Uniform Zinc Deposition. ACS Applied Energy Materials, 2022, 5, 4170-4178.	5.1	20
33	Large-scale synthesis of uniform NiCo2O4 nanoparticles with supercapacitive properties. Materials Letters, 2015, 160, 171-174.	2.6	19
34	Chainlike structures assembled by Co hierarchitectures: synthesis and electrochemical properties as negative materials for alkaline secondary batteries. Journal of Materials Chemistry, 2011, 21, 14159.	6.7	16
35	Facile fabrication of three-dimensional hierarchical CuO nanostructures with enhanced lithium storage capability. RSC Advances, 2015, 5, 68061-68066.	3.6	10
36	Cross-linked porous Î±-Fe2O3 nanorods as high performance anode materials for lithium ion batteries. RSC Advances, 2016, 6, 97385-97390.	3.6	9

#	Article	IF	Citations
37	Rational design of Ni/Ni2P heterostructures encapsulated in 3D porous carbon networks for improved lithium storage. Dalton Transactions, 2019, 48, 16000-16007.	3.3	7