Zhibin Wu

List of Publications by Year
in descending order

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29 papers	3,338 citations	257450 24 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	4289 citing authors

#	Article	IF	Citations
1	NiCo₂O₄-based materials for electrochemical supercapacitors. Journal of Materials Chemistry A, 2014, 2, 14759-14772.	10.3	420
2	Mesoporous NiCo2S4 nanoparticles as high-performance electrode materials for supercapacitors. Journal of Power Sources, 2015, 273, 584-590.	7.8	409
3	Porous NiCo₂O₄ spheres tuned through carbon quantum dots utilised as advanced materials for an asymmetric supercapacitor. Journal of Materials Chemistry A, 2015, 3, 866-877.	10.3	282
4	High Energy Density Asymmetric Supercapacitors From Mesoporous NiCo2S4 Nanosheets. Electrochimica Acta, 2015, 174, 238-245.	5.2	247
5	Spinel NiCo2O4 for use as a high-performance supercapacitor electrode material: Understanding of its electrochemical properties. Journal of Power Sources, 2014, 267, 888-900.	7.8	228
6	One-Dimensional Rod-Like Sb₂S₃-Based Anode for High-Performance Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 19362-19369.	8.0	218
7	Anion Vacancies Regulating Endows MoSSe with Fast and Stable Potassium Ion Storage. ACS Nano, 2019, 13, 11843-11852.	14.6	210
8	A Long Cycleâ€Life Highâ€Voltage Spinel Lithiumâ€Ion Battery Electrode Achieved by Siteâ€Selective Doping. Angewandte Chemie - International Edition, 2020, 59, 10594-10602.	13.8	144
9	NiCo2S4 hollow microsphere decorated by acetylene black for high-performance asymmetric supercapacitor. Electrochimica Acta, 2015, 186, 562-571.	5.2	130
10	An Asymmetric Ultracapacitors Utilizing Î±-Co(OH)2/Co3O4 Flakes Assisted by Electrochemically Alternating Voltage. Electrochimica Acta, 2014, 141, 234-240.	5.2	121
11	An electrochemical exploration of hollow NiCo 2 O 4 submicrospheres and its capacitive performances. Journal of Power Sources, 2015, 287, 307-315.	7.8	89
12	High capacity NiCo 2 O 4 nanorods as electrode materials for supercapacitor. Journal of Alloys and Compounds, 2014, 617, 988-993.	5.5	88
13	Dehydrationâ€Triggered Ionic Channel Engineering in Potassium Niobate for Li/Kâ€Ion Storage. Advanced Materials, 2020, 32, e2000380.	21.0	85
14	Synergy of binders and electrolytes in enabling microsized alloy anodes for high performance potassium-ion batteries. Nano Energy, 2020, 77, 105118.	16.0	82
15	Coupling Topological Insulator SnSb₂Te₄ Nanodots with Highly Doped Graphene for Highâ€Rate Energy Storage. Advanced Materials, 2020, 32, e1905632.	21.0	78
16	Ultrafine nickel oxide quantum dots enbedded with few-layer exfoliative graphene for an asymmetric supercapacitor: Enhanced capacitances by alternating voltage. Journal of Power Sources, 2015, 298, 241-248.	7.8	75
17	3D network-like mesoporous NiCo2O4 nanostructures as advanced electrode material for supercapacitors. Electrochimica Acta, 2014, 149, 144-151.	5.2	72
18	Amorphous RuO2 coated on carbon spheres as excellent electrode materials for supercapacitors. RSC Advances, 2014, 4, 6927.	3.6	59

#	Article	IF	Citations
19	Crystallographicâ€Siteâ€Specific Structural Engineering Enables Extraordinary Electrochemical Performance of Highâ€Voltage LiNi_{0.5}Mn_{1.5}O₄ Spinel Cathodes for Lithiumâ€Ion Batteries. Advanced Materials, 2021, 33, e2101413.	21.0	52
20	Uniform porous spinel NiCo2O4 with enhanced electrochemical performances. Journal of Alloys and Compounds, 2015, 632, 208-217.	5.5	49
21	Transition Metal Oxides as Supercapacitor Materials. Nanostructure Science and Technology, 2016, , 317-344.	0.1	29
22	Synchrotron Xâ€Ray Absorption Spectroscopy and Electrochemical Study of Bi₂O₂Se Electrode for Lithiumâ€/Potassiumâ€Ion Storage. Advanced Energy Materials, 2021, 11, 2100185.	19.5	29
23	Nanorod-assembled NiCo₂O₄ hollow microspheres assisted by an ionic liquid as advanced electrode materials for supercapacitors. RSC Advances, 2017, 7, 11123-11128.	3.6	26
24	In situ incorporation of nanostructured antimony in an N-doped carbon matrix for advanced sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 12842-12850.	10.3	25
25	In Situ Synchrotron Xâ€Ray Absorption Spectroscopy Studies of Anode Materials for Rechargeable Batteries. Batteries and Supercaps, 2021, 4, 1547-1566.	4.7	25
26	A Long Cycleâ€Life Highâ€Voltage Spinel Lithiumâ€Ion Battery Electrode Achieved by Siteâ€Selective Doping. Angewandte Chemie, 2020, 132, 10681-10689.	2.0	20
27	An investigation of the electrochemically capacitive performances of mesoporous nickel cobaltite hollow spheres. Electrochimica Acta, 2015, 178, 153-162.	5.2	17
28	Alternating voltage induced porous Co₃O₄sheets: an exploration of its supercapacity properties. RSC Advances, 2015, 5, 177-183.	3.6	17
29	Introducing 4sâ€“2p Orbital Hybridization to Stabilize Spinel Oxide Cathodes for Lithiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	2.0	12