Guobin Zhang

List of Publications by Year
in descending order

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35 papers	4,100 citations	257101 24 h-index	360668 35 g-index
36 all docs	36 docs citations	36 times ranked	4275 citing authors

#	Article	IF	Citations
1	Novel Charging-Optimized Cathode for a Fast and High-Capacity Zinc-Ion Battery. ACS Applied Materials & Interfaces, 2020, 12, 10420-10427.	4.0	43
2	1D Carbonâ€Based Nanocomposites for Electrochemical Energy Storage. Small, 2019, 15, e1902348.	5.2	73
3	Carbon dioxide directly induced oxygen vacancy in the surface of lithium-rich layered oxides for high-energy lithium storage. Journal of Power Sources, 2019, 432, 8-15.	4.0	81
4	A Novel Process for the Synthesis of NaV2O5 Mesocrystals from Alkaline-Stripped Vanadium Solution via the Hydrothermal Hydrogen Reduction Method. Minerals (Basel, Switzerland), 2019, 9, 271.	0.8	1
5	Strongly Coupled Pyridineâ€V₂O₅Â·nH₂O Nanowires with Intercalation Pseudocapacitance and Stabilized Layer for High Energy Sodium Ion Capacitors. Small, 2019, 15, e1900379.	5.2	35
6	Selective vanadium extraction from vanadium bearing ferro-phosphorus via roasting and pressure hydrogen reduction. Separation and Purification Technology, 2019, 220, 293-299.	3.9	31
7	Eco-friendly synthesis of VO ₂ with stripped pentavalent vanadium solution extracted from vanadium-bearing shale by hydrothermal process in high conversion rate. Royal Society Open Science, 2019, 6, 181116.	1.1	10
8	Illumining phase transformation dynamics of vanadium oxide cathode by multimodal techniques under operando conditions. Nano Research, 2019, 12, 905-910.	5.8	12
9	Identification of Phase Control of Carbonâ€Confined Nb₂O₅ Nanoparticles toward Highâ€Performance Lithium Storage. Advanced Energy Materials, 2019, 9, 1802695.	10.2	161
10	Vanadium Oxide Pillared by Interlayer Mg2+ Ions and Water as Ultralong-Life Cathodes for Magnesium-Ion Batteries. CheM, 2019, 5, 1194-1209.	5.8	180
11	Ultrastable and High-Performance Zn/VO₂ Battery Based on a Reversible Single-Phase Reaction. Chemistry of Materials, 2019, 31, 699-706.	3.2	227
12	Effects of different alkalis on the behaviour of vanadium loss in the pretreatment of vanadium-bearing acid leaching solution. ScienceAsia, 2019, 45, 43.	0.2	1
13	Graphene Scrollâ€Coated Î±â€MnO₂ Nanowires as Highâ€Performance Cathode Materials for Aqueous Znâ€Ion Battery. Small, 2018, 14, e1703850.	5.2	563
14	Sodium Ion Stabilized Vanadium Oxide Nanowire Cathode for Highâ€Performance Zincâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702463.	10.2	650
15	Î±-MoO3- by plasma etching with improved capacity and stabilized structure for lithium storage. Nano Energy, 2018, 49, 555-563.	8.2	133
16	Li3V(MoO4)3 as a novel electrode material with good lithium storage properties and improved initial coulombic efficiency. Nano Energy, 2018, 44, 272-278.	8.2	125
17	Nanowires in Energy Storage Devices: Structures, Synthesis, and Applications. Advanced Energy Materials, 2018, 8, 1802369.	10.2	169
18	The Effects of Sodium Ions, Phosphorus, and Silicon on the Eco-Friendly Process of Vanadium Precipitation by Hydrothermal Hydrogen Reduction. Minerals (Basel, Switzerland), 2018, 8, 294.	0.8	8

#	Article	IF	Citations
19	High-Performance Naâ€“O₂ Batteries Enabled by Oriented NaO₂ Nanowires as Discharge Products. Nano Letters, 2018, 18, 3934-3942.	4.5	33
20	New anatase phase VTi_{2.6}O_{7.2} ultrafine nanocrystals for high-performance rechargeable magnesium-based batteries. Journal of Materials Chemistry A, 2018, 6, 13901-13907.	5.2	19
21	Layered VS₂ Nanosheetâ€Based Aqueous Zn Ion Battery Cathode. Advanced Energy Materials, 2017, 7, 1601920.	10.2	961
22	Electrochemical in situ X-ray probing in lithium-ion and sodium-ion batteries. Journal of Materials Science, 2017, 52, 3697-3718.	1.7	36
23	Three-dimensional graphene frameworks wrapped Li3V2(PO4)3 with reversible topotactic sodium-ion storage. Nano Energy, 2017, 32, 347-352.	8.2	50
24	In Operando Probing of Sodium-Incorporation in NASICON Nanomaterial: Asymmetric Reaction and Electrochemical Phase Diagram. Chemistry of Materials, 2017, 29, 8057-8064.	3.2	18
25	A Novel Eco-Friendly Vanadium Precipitation Method by Hydrothermal Hydrogen Reduction Technology. Minerals (Basel, Switzerland), 2017, 7, 182.	0.8	19
26	Three dimensional V2O5/NaV6O15 hierarchical heterostructures: Controlled synthesis and synergistic effect investigated by in situ X-ray diffraction. Nano Energy, 2016, 27, 147-156.	8.2	61
27	In operando observation of temperature-dependent phase evolution in lithium-incorporation olivine cathode. Nano Energy, 2016, 22, 406-413.	8.2	31
28	A synergistic effect between layer surface configurations and K ions of potassium vanadate nanowires for enhanced energy storage performance. Journal of Materials Chemistry A, 2016, 4, 4893-4899.	5.2	65
29	Graphene wrapped NASICON-type Fe2(MoO4)3 nanoparticles as a ultra-high rate cathode for sodium ion batteries. Nano Energy, 2016, 24, 130-138.	8.2	57
30	Pyrolyzed carbon with embedded NiO/Ni nanospheres for applications in microelectrodes. RSC Advances, 2016, 6, 43436-43441.	1.7	37
31	Cycling-Stable Cathodes: The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions (Adv. Funct. Mater. 36/2016). Advanced Functional Materials, 2016, 26, 6498-6498.	7.8	0
32	The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions. Advanced Functional Materials, 2016, 26, 6555-6562.	7.8	18
33	Carbon-coated hierarchical NaTi2(PO4)3 mesoporous microflowers with superior sodium storage performance. Nano Energy, 2016, 28, 224-231.	8.2	139
34	In SituObservation and Mechanism Investigation of Lattice Breathing in Vanadium Oxide Cathode. Acta Chimica Sinica, 2016, 74, 582.	0.5	1
35	A mechanism of calcium fluoride-enhanced vanadium leaching from stone coal. International Journal of Mineral Processing, 2015, 145, 87-93.	2.6	47