

Guobin Zhang

List of Publications by Year in descending order

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35
papers

4,100
citations

257450

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361022

35
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all docs

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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.	8.0	43
2	1D Carbon-Based Nanocomposites for Electrochemical Energy Storage. Small, 2019, 15, e1902348.	10.0	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.	7.8	81
4	A Novel Process for the Synthesis of NaV ₂ O ₅ Mesocrystals from Alkaline-Stripped Vanadium Solution via the Hydrothermal Hydrogen Reduction Method. Minerals (Basel, Switzerland), 2019, 9, 271.	2.0	1
5	Strongly Coupled Pyridine-V ₂ O ₅ -NH ₂ O Nanowires with Intercalation Pseudocapacitance and Stabilized Layer for High Energy Sodium Ion Capacitors. Small, 2019, 15, e1900379.	10.0	35
6	Selective vanadium extraction from vanadium bearing ferro-phosphorus via roasting and pressure hydrogen reduction. Separation and Purification Technology, 2019, 220, 293-299.	7.9	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.	2.4	10
8	Illuminating phase transformation dynamics of vanadium oxide cathode by multimodal techniques under operando conditions. Nano Research, 2019, 12, 905-910.	10.4	12
9	Identification of Phase Control of Carbon-Confined Nb ₂ O ₅ Nanoparticles toward High-Performance Lithium Storage. Advanced Energy Materials, 2019, 9, 1802695.	19.5	161
10	Vanadium Oxide Pillared by Interlayer Mg ²⁺ Ions and Water as Ultralong-Life Cathodes for Magnesium-Ion Batteries. Chem, 2019, 5, 1194-1209.	11.7	180
11	Ultrastable and High-Performance Zn/VO ₂ Battery Based on a Reversible Single-Phase Reaction. Chemistry of Materials, 2019, 31, 699-706.	6.7	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.	0.5	1
13	Graphene Scroll-Coated MnO ₂ Nanowires as High-Performance Cathode Materials for Aqueous Zn-Ion Battery. Small, 2018, 14, e1703850.	10.0	563
14	Sodium Ion Stabilized Vanadium Oxide Nanowire Cathode for High-Performance Zinc-Ion Batteries. Advanced Energy Materials, 2018, 8, 1702463.	19.5	650
15	±-MoO ₃ - by plasma etching with improved capacity and stabilized structure for lithium storage. Nano Energy, 2018, 49, 555-563.	16.0	133
16	Li ₃ V(MoO ₄) ₃ as a novel electrode material with good lithium storage properties and improved initial coulombic efficiency. Nano Energy, 2018, 44, 272-278.	16.0	125
17	Nanowires in Energy Storage Devices: Structures, Synthesis, and Applications. Advanced Energy Materials, 2018, 8, 1802369.	19.5	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.	2.0	8

#	ARTICLE	IF	CITATIONS
19	High-Performance Na ⁺ O ²⁻ Batteries Enabled by Oriented NaO ²⁻ Nanowires as Discharge Products. <i>Nano Letters</i> , 2018, 18, 3934-3942.	9.1	33
20	New anatase phase VTi _{2.6} O _{7.2} ultrafine nanocrystals for high-performance rechargeable magnesium-based batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13901-13907.	10.3	19
21	Layered VS ₂ Nanosheet-Based Aqueous Zn Ion Battery Cathode. <i>Advanced Energy Materials</i> , 2017, 7, 1601920.	19.5	961
22	Electrochemical in situ X-ray probing in lithium-ion and sodium-ion batteries. <i>Journal of Materials Science</i> , 2017, 52, 3697-3718.	3.7	36
23	Three-dimensional graphene frameworks wrapped Li ₃ V ₂ (PO ₄) ₃ with reversible topotactic sodium-ion storage. <i>Nano Energy</i> , 2017, 32, 347-352.	16.0	50
24	In Operando Probing of Sodium-Incorporation in NASICON Nanomaterial: Asymmetric Reaction and Electrochemical Phase Diagram. <i>Chemistry of Materials</i> , 2017, 29, 8057-8064.	6.7	18
25	A Novel Eco-Friendly Vanadium Precipitation Method by Hydrothermal Hydrogen Reduction Technology. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 182.	2.0	19
26	Three dimensional V ₂ O ₅ /NaV ₆ O ₁₅ hierarchical heterostructures: Controlled synthesis and synergistic effect investigated by in situ X-ray diffraction. <i>Nano Energy</i> , 2016, 27, 147-156.	16.0	61
27	In operando observation of temperature-dependent phase evolution in lithium-incorporation olivine cathode. <i>Nano Energy</i> , 2016, 22, 406-413.	16.0	31
28	A synergistic effect between layer surface configurations and K ions of potassium vanadate nanowires for enhanced energy storage performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4893-4899.	10.3	65
29	Graphene wrapped NASICON-type Fe ₂ (MoO ₄) ₃ nanoparticles as a ultra-high rate cathode for sodium ion batteries. <i>Nano Energy</i> , 2016, 24, 130-138.	16.0	57
30	Pyrolyzed carbon with embedded NiO/Ni nanospheres for applications in microelectrodes. <i>RSC Advances</i> , 2016, 6, 43436-43441.	3.6	37
31	Cycling-Stable Cathodes: The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions (<i>Adv. Funct. Mater.</i> 36/2016). <i>Advanced Functional Materials</i> , 2016, 26, 6498-6498.	14.9	0
32	The Capturing of Ionized Oxygen in Sodium Vanadium Oxide Nanorods Cathodes under Operando Conditions. <i>Advanced Functional Materials</i> , 2016, 26, 6555-6562.	14.9	18
33	Carbon-coated hierarchical NaTi ₂ (PO ₄) ₃ mesoporous microflowers with superior sodium storage performance. <i>Nano Energy</i> , 2016, 28, 224-231.	16.0	139
34	In Situ Observation and Mechanism Investigation of Lattice Breathing in Vanadium Oxide Cathode. <i>Acta Chimica Sinica</i> , 2016, 74, 582.	1.4	1
35	A mechanism of calcium fluoride-enhanced vanadium leaching from stone coal. <i>International Journal of Mineral Processing</i> , 2015, 145, 87-93.	2.6	47