

Qiao Ni

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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docs citations

32
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2416
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyanion-Type Electrode Materials for Sodium-Ion Batteries. <i>Advanced Science</i> , 2017, 4, 1600275.	11.2	367
2	Elucidating the Mechanism of Fast Na Storage Kinetics in Ether Electrolytes for Hard Carbon Anodes. <i>Advanced Materials</i> , 2021, 33, e2008810.	21.0	139
3	Superior sodium-storage behavior of flexible anatase TiO ₂ promoted by oxygen vacancies. <i>Energy Storage Materials</i> , 2020, 25, 903-911.	18.0	131
4	3D Electronic Channels Wrapped Large-Sized Na ₃ V ₂ (PO ₄) ₃ as Flexible Electrode for Sodium-Ion Batteries. <i>Small</i> , 2018, 14, e1702864.	10.0	116
5	Remarkable Effect of Sodium Alginate Aqueous Binder on Anatase TiO ₂ as High-Performance Anode in Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5560-5568.	8.0	103
6	A Na ₃ V ₂ (PO ₄) ₂ O _{1.6} F _{1.4} Cathode of Zn-Ion Battery Enabled by a Water-In-Bisalt Electrolyte. <i>Advanced Functional Materials</i> , 2020, 30, 2003511.	14.9	103
7	Na-Rich Na _{3+x} V ₂ Ni _x (PO ₄) ₃ /C for Sodium Ion Batteries: Controlling the Doping Site and Improving the Electrochemical Performances. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27779-27787.	8.0	99
8	Unraveling Anionic Redox for Sodium Layered Oxide Cathodes: Breakthroughs and Perspectives. <i>Advanced Materials</i> , 2022, 34, e2106171.	21.0	97
9	3D Hierarchical nano-flake/micro-flower iron fluoride with hydration water induced tunnels for secondary lithium battery cathodes. <i>Nano Energy</i> , 2017, 32, 10-18.	16.0	73
10	Hard carbon anode materials for sodium-ion batteries. <i>Functional Materials Letters</i> , 2018, 11, 1830003.	1.2	71
11	An Extremely Fast Charging Li ₃ V ₂ (PO ₄) ₃ Cathode at a 4.8 V Cutoff Voltage for Li-Ion Batteries. <i>ACS Energy Letters</i> , 2020, 5, 1763-1770.	17.4	69
12	Stable Carbon-Selenium Bonds for Enhanced Performance in Tremella-Like 2D Chalcogenide Battery Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1800927.	19.5	68
13	Inhibition of Crystallization of Poly(ethylene oxide) by Ionic Liquid: Insight into Plasticizing Mechanism and Application for Solid-State Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43252-43260.	8.0	65
14	A High-Potential Anion-Insertion Carbon Cathode for Aqueous Zinc Dual-Ion Battery. <i>Advanced Functional Materials</i> , 2020, 30, 2002825.	14.9	64
15	Quick Activation of Nanoporous Anatase TiO ₂ as High-Rate and Durable Anode Materials for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39432-39440.	8.0	61
16	Non-Electrode Components for Rechargeable Aqueous Zinc Batteries: Electrolytes, Solid-Electrolyte-Interphase, Current Collectors, Binders, and Separators. <i>Advanced Materials</i> , 2022, 34, e2108206.	21.0	58
17	Unveil the mechanism of solid electrolyte interphase on Na ₃ V ₂ (PO ₄) ₃ formed by a novel NaPF ₆ /BMITFSI ionic liquid electrolyte. <i>Nano Energy</i> , 2018, 51, 524-532.	16.0	54
18	Reversible Insertion of I-Cl Interhalogen in a Graphite Cathode for Aqueous Dual-Ion Batteries. <i>ACS Energy Letters</i> , 2021, 6, 459-467.	17.4	54

#	ARTICLE	IF	CITATIONS
19	Tailoring Defects in Hard Carbon Anode towards Enhanced Na Storage Performance. Energy Material Advances, 2022, 2022, .	11.0	53
20	Multilayered Electride Ca ₂ N Electrode via Compression Molding Fabrication for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 6666-6669.	8.0	47
21	Carbon Nanofiber Elastically Confined Nanoflowers: A Highly Efficient Design for Molybdenum Disulfide-Based Flexible Anodes Toward Fast Sodium Storage. ACS Applied Materials & Interfaces, 2019, 11, 5183-5192.	8.0	45
22	Na ₃ V ₂ (PO ₄) ₃ /C nanorods as advanced cathode material for sodium ion batteries. Solid State Ionics, 2015, 278, 281-286.	2.7	43
23	High-Capacity Interstitial Mn-Incorporated Mn _x Fe _{3-x} O ₄ /Graphene Nanocomposite for Sodium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2019, 11, 37812-37821.	8.0	40
24	Mesoporous TiO ₂ microparticles formed by the oriented attachment of nanocrystals: A super-durable anode material for sodium-ion batteries. Nano Research, 2018, 11, 1563-1574.	10.4	30
25	Wet-chemical coordination synthesized Li ₃ V ₂ (PO ₄) ₃ /C for Li-ion battery cathodes. Journal of Alloys and Compounds, 2017, 729, 49-56.	5.5	28
26	Hierarchical microspheres and nanoscale particles: Effects of morphology on electrochemical performance of Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ cathode material for lithium-ion batteries. Solid State Ionics, 2017, 300, 149-156.	2.7	23
27	Sodium Ion Batteries: Stable Carbon-Selenium Bonds for Enhanced Performance in Tremella-Like 2D Chalcogenide Battery Anode (Adv. Energy Mater. 23/2018). Advanced Energy Materials, 2018, 8, 1870106.	19.5	19
28	Realizing the Multi-electron Reaction in the Na ₃ V ₂ (PO ₄) ₃ Cathode via Reversible Insertion of Dihydrogen Phosphate Anions. ACS Applied Materials & Interfaces, 2022, 14, 1233-1240.	8.0	3
29	Energy Storage: Polyanion-Type Electrode Materials for Sodium-Ion Batteries (Adv. Sci. 3/2017). Advanced Science, 2017, 4, .	11.2	1
30	Hard Carbon Anode Materials for Sodium-Ion Batteries. , 2021, , 87-109.		1