

Qiao Ni

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Unraveling Anionic Redox for Sodium Layered Oxide Cathodes: Breakthroughs and Perspectives. <i>Advanced Materials</i> , 2022, 34, e2106171.	21.0	97
2	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
3	Tailoring Defects in Hard Carbon Anode towards Enhanced Na Storage Performance. <i>Energy Material Advances</i> , 2022, 2022, .	11.0	53
4	Realizing the Multi-electron Reaction in the $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ Cathode via Reversible Insertion of Dihydrogen Phosphate Anions. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1233-1240.	8.0	3
5	Reversible Insertion of Cl^- Interhalogen in a Graphite Cathode for Aqueous Dual-Ion Batteries. <i>ACS Energy Letters</i> , 2021, 6, 459-467.	17.4	54
6	Hard Carbon Anode Materials for Sodium-Ion Batteries. , 2021, , 87-109.		1
7	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
8	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
9	A High-Potential Anion-Insertion Carbon Cathode for Aqueous Zinc Dual-Ion Battery. <i>Advanced Functional Materials</i> , 2020, 30, 2002825.	14.9	64
10	A $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{O}_{1.6}\text{F}_{1.4}$ Cathode of Zn-Ion Battery Enabled by a Water-Bisalt Electrolyte. <i>Advanced Functional Materials</i> , 2020, 30, 2003511.	14.9	103
11	An Extremely Fast Charging $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ 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	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
13	High-Capacity Interstitial Mn-Incorporated $\text{Mn}_x\text{Fe}_{3-x}\text{O}_4$ /Graphene Nanocomposite for Sodium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37812-37821.	8.0	40
14	Carbon Nanofiber Elastically Confined Nanoflowers: A Highly Efficient Design for Molybdenum Disulfide-Based Flexible Anodes Toward Fast Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5183-5192.	8.0	45
15	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
16	3D Electronic Channels Wrapped Large-Sized $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ as Flexible Electrode for Sodium-Ion Batteries. <i>Small</i> , 2018, 14, e1702864.	10.0	116
17	Mesoporous TiO_2 microparticles formed by the oriented attachment of nanocrystals: A super-durable anode material for sodium-ion batteries. <i>Nano Research</i> , 2018, 11, 1563-1574.	10.4	30
18	Unveil the mechanism of solid electrolyte interphase on $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ formed by a novel $\text{NaPF}_6/\text{BMITFSI}$ ionic liquid electrolyte. <i>Nano Energy</i> , 2018, 51, 524-532.	16.0	54

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19	Hard carbon anode materials for sodium-ion batteries. <i>Functional Materials Letters</i> , 2018, 11, 1830003.	1.2	71
20	Sodium Ion Batteries: Stable Carbon-Selenium Bonds for Enhanced Performance in Tremella-Like 2D Chalcogenide Battery Anode (Adv. Energy Mater. 23/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870106.	19.5	19
21	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
22	Polyanion-Type Electrode Materials for Sodium-Ion Batteries. <i>Advanced Science</i> , 2017, 4, 1600275.	11.2	367
23	Multilayered Electride Ca_2N Electrode via Compression Molding Fabrication for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6666-6669.	8.0	47
24	Energy Storage: Polyanion-Type Electrode Materials for Sodium-Ion Batteries (Adv. Sci. 3/2017). <i>Advanced Science</i> , 2017, 4, .	11.2	1
25	Hierarchical microspheres and nanoscale particles: Effects of morphology on electrochemical performance of $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ cathode material for lithium-ion batteries. <i>Solid State Ionics</i> , 2017, 300, 149-156.	2.7	23
26	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
27	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
28	Wet-chemical coordination synthesized $\text{Li}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ for Li-ion battery cathodes. <i>Journal of Alloys and Compounds</i> , 2017, 729, 49-56.	5.5	28
29	Na-Rich $\text{Na}_{3+x}\text{V}_2\text{Ni}_x(\text{PO}_4)_3/\text{C}$ 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
30	$\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ nanorods as advanced cathode material for sodium ion batteries. <i>Solid State Ionics</i> , 2015, 278, 281-286.	2.7	43