

Jin Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,262
citations

623734

14
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1635
citing authors

#	ARTICLE	IF	CITATIONS
1	Na transport in bilayer MoS ₂ and MoS ₂ -WS ₂ heterojunction with S vacancy defect: First-principles study. <i>AIP Advances</i> , 2022, 12, .	1.3	1
2	Superior sodium storage of Na ₃ V(PO ₃) ₃ N nanofibers as a high voltage cathode for flexible sodium-ion battery devices. <i>Nanotechnology</i> , 2021, 32, 435404.	2.6	5
3	Activating a Multielectron Reaction of NASICON-Structured Cathodes toward High Energy Density for Sodium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2021, 143, 18091-18102.	13.7	96
4	Development and Investigation of a NASICON-type High-Voltage Cathode Material for High-Power Sodium-ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 2470-2477.	2.0	26
5	Development and Investigation of a NASICON-type High-Voltage Cathode Material for High-Power Sodium-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2449-2456.	13.8	101
6	A Cation and Anion Dual Doping Strategy for the Elevation of Titanium Redox Potential for High-Power Sodium-ion Batteries. <i>Angewandte Chemie</i> , 2020, 132, 12174-12181.	2.0	20
7	A Cation and Anion Dual Doping Strategy for the Elevation of Titanium Redox Potential for High-Power Sodium-ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12076-12083.	13.8	78
8	Nickel sulfide nanocrystals on nitrogen-doped porous carbon nanotubes with high-efficiency electrocatalysis for room-temperature sodium-sulfur batteries. <i>Nature Communications</i> , 2019, 10, 4793.	12.8	147
9	Perfect mechanical and robust electronic properties of new carbon nanothreads: A first principles study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 111, 37-43.	2.7	8
10	Abnormal diffusion behaviors of Cu atoms in van der Waals layered material MoS ₂ . <i>Journal of Materials Chemistry C</i> , 2019, 7, 6052-6058.	5.5	18
11	NASICON-type air-stable and all-climate cathode for sodium-ion batteries with low cost and high-power density. <i>Nature Communications</i> , 2019, 10, 1480.	12.8	260
12	MoS ₂ -modified graphite felt as a high performance electrode material for zinc-polyiodide redox flow batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 731-735.	6.0	17
13	Theoretical prediction electronic properties of Group-IV diamond nanothreads. <i>AIP Advances</i> , 2018, 8, 075107.	1.3	8
14	Electronic Structures and Carrier Mobilities of Blue Phosphorus Nanoribbons and Nanotubes: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4638-4646.	3.1	91
15	Theoretical predictions on the electronic structure and charge carrier mobility in 2D Phosphorus sheets. <i>Scientific Reports</i> , 2015, 5, 9961.	3.3	181
16	Carrier mobility of MoS ₂ nanoribbons with edge chemical modification. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6865-6873.	2.8	47
17	First-Principles Prediction of the Charge Mobility in Black Phosphorus Semiconductor Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4141-4147.	4.6	51
18	Effects of van der Waals interaction and electric field on the electronic structure of bilayer MoS ₂ . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 405302.	1.8	49

#	ARTICLE	IF	CITATIONS
19	Theoretical Prediction of Electronic Structure and Carrier Mobility in Single-walled MoS ₂ Nanotubes. Scientific Reports, 2014, 4, 4327.	3.3	58