

Ke Fan

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

766
citations

623734

14
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic strain engineering of perovskite single crystals for highly stable and sensitive X-ray detectors with low-bias imaging and monitoring. <i>Nature Photonics</i> , 2022, 16, 575-581.	31.4	138
2	Fiber-in-Tube Design of Co ₉ S ₈ @Carbon/Co ₉ S ₈ : Enabling Efficient Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6239-6243.	13.8	137
3	Theoretical Investigation of V ₃ C ₂ MXene as Prospective High-Capacity Anode Material for Metal-Ion (Li, Na, K, and Ca) Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18207-18214.	3.1	100
4	Unravelling the origin of bifunctional OER/ORR activity for single-atom catalysts supported on C ₂ N by DFT and machine learning. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16860-16867.	10.3	93
5	Predicting two-dimensional pentagonal transition metal monophosphides for efficient electrocatalytic nitrogen reduction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11444-11451.	10.3	49
6	Unravelling the Mechanism of Ionic Fullerene Passivation for Efficient and Stable Methylammonium-Free Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020, 5, 2015-2022.	17.4	38
7	Nitride MXenes as sulfur hosts for thermodynamic and kinetic suppression of polysulfide shuttling: a computational study. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25391-25398.	10.3	37
8	Boosting the Redox Kinetics of High-Voltage P2-Type Cathode by Radially Oriented {010} Exposed Nanoplates for High-Power Sodium-Ion Batteries. <i>Small Structures</i> , 2022, 3, 2100123.	12.0	29
9	Two-dimensional host materials for lithium-sulfur batteries: A review and perspective. <i>Energy Storage Materials</i> , 2022, 50, 696-717.	18.0	26
10	Monolayer PC ₅ /PC ₆ : promising anode materials for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16665-16671.	2.8	24
11	Tailoring Phase Purity in the 2D/3D Perovskite Heterostructures Using Lattice Mismatch. <i>ACS Energy Letters</i> , 2022, 7, 550-559.	17.4	23
12	Transition metal-tetracyanoquinodimethane monolayers as single-atom catalysts for the electrocatalytic nitrogen reduction reaction. <i>Materials Advances</i> , 2020, 1, 1285-1292.	5.4	20
13	Theoretical Investigation of Monolayer RhTeCl Semiconductors as Photocatalysts for Water Splitting. <i>Journal of Physical Chemistry C</i> , 2020, 124, 639-646.	3.1	18
14	Fiber-in-Tube Design of Co ₉ S ₈ @Carbon/Co ₉ S ₈ : Enabling Efficient Sodium Storage. <i>Angewandte Chemie</i> , 2019, 131, 6305-6309.	2.0	15
15	General flux-free synthesis of single crystal Ni-rich layered cathodes by employing a Li-containing spinel transition phase for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16420-16429.	10.3	14