

Yichao Yan

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,387
citations

687363

13
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1782
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping Techniques for the Design of Lithium–Sulfur Batteries. <i>Small</i> , 2022, 18, e2106657.	10.0	13
2	An artificial hybrid interphase for an ultrahigh-rate and practical lithium metal anode. <i>Energy and Environmental Science</i> , 2021, 14, 4115-4124.	30.8	376
3	3D Printed Li–S Batteries with In Situ Decorated Li ₂ S/C Cathode: Interface Engineering Induced Loading–insensitivity for Scaled Areal Performance. <i>Advanced Energy Materials</i> , 2021, 11, 2100420.	19.5	37
4	Electrolyte Effect on a Polyanionic Organic Anode for Pure Organic K-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38315-38324.	8.0	17
5	Benzene-bridged anthraquinones as a high-rate and long-lifespan organic cathode for advanced Na-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 426, 131251.	12.7	12
6	Insoluble polyanionic anthraquinones with two strong ionic O-K bonds as stable organic cathodes for pure organic K-ion batteries. <i>Science China Materials</i> , 2021, 64, 1598-1608.	6.3	12
7	In Situ-Formed and Low-Temperature-Deposited Nb:TiO ₂ Compact-Mesoporous Layer for Hysteresis-Less Perovskite Solar Cells with High Performance. <i>Nanoscale Research Letters</i> , 2020, 15, 135.	5.7	1
8	Carbon-Intercalated Montmorillonite as Efficient Polysulfide Mediator for Enhancing the Performance of Lithium–Sulfur Batteries. <i>Energy & Fuels</i> , 2020, 34, 8947-8955.	5.1	19
9	An Efficient Separator with Low Li–ion Diffusion Energy Barrier Resolving Feeble Conductivity for Practical Lithium–Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901800.	19.5	61
10	Lithiophilic montmorillonite serves as lithium ion reservoir to facilitate uniform lithium deposition. <i>Nature Communications</i> , 2019, 10, 4973.	12.8	144
11	Carbon Quantum Dots–Modified Interfacial Interactions and Ion Conductivity for Enhanced High Current Density Performance in Lithium–Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1802955.	19.5	102
12	A Nonflammable and Thermotolerant Separator Suppresses Polysulfide Dissolution for Safe and Long–Cycle Lithium–Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802441.	19.5	133
13	Phosphate–Based Electrocatalysts for Water Splitting: Recent Progress. <i>ChemElectroChem</i> , 2018, 5, 3822-3834.	3.4	98
14	Cytomembrane–Structure–Inspired Active Ni–Ni–O Interface for Enhanced Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2018, 30, e1803367.	21.0	112
15	Atomic Interlamellar Ion Path in High Sulfur Content Lithium–Montmorillonite Host Enables High–Rate and Stable Lithium–Sulfur Battery. <i>Advanced Materials</i> , 2018, 30, e1804084.	21.0	201
16	Reactive B/Ti Nano-Multilayers with Superior Performance in Plasma Generation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21582-21589.	8.0	13
17	Characteristics of the Energetic Micro-initiator Through Integrating Al/Ni Nano-multilayers with Cu Film Bridge. <i>Nanoscale Research Letters</i> , 2017, 12, 38.	5.7	9
18	Characteristics of the Energetic Igniters Through Integrating B/Ti Nano-Multilayers on TaN Film Bridge. <i>Nanoscale Research Letters</i> , 2015, 10, 934.	5.7	13

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19	Characteristics of the Energetic Igniters Through Integrating Al/NiO Nanolaminates on Cr Film Bridge. Nanoscale Research Letters, 2015, 10, 504.	5.7	14