

# Yichao Yan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1384195/publications.pdf>

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	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
2	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
3	Lithiophilic montmorillonite serves as lithium ion reservoir to facilitate uniform lithium deposition. <i>Nature Communications</i> , 2019, 10, 4973.	12.8	144
4	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
5	Cytomembrane-Structure-Inspired Active Ni-NiO Interface for Enhanced Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2018, 30, e1803367.	21.0	112
6	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
7	Phosphate-Based Electrocatalysts for Water Splitting: Recent Progress. <i>ChemElectroChem</i> , 2018, 5, 3822-3834.	3.4	98
8	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
9	3D Printed Li-S Batteries with In Situ Decorated Li <sub>2</sub> S/C Cathode: Interface Engineering Induced Loading-Insensitivity for Scaled Areal Performance. <i>Advanced Energy Materials</i> , 2021, 11, 2100420.	19.5	37
10	Carbon-Intercalated Montmorillonite as Efficient Polysulfide Mediator for Enhancing the Performance of Lithium-Sulfur Batteries. <i>Energy &amp; Fuels</i> , 2020, 34, 8947-8955.	5.1	19
11	Electrolyte Effect on a Polyanionic Organic Anode for Pure Organic K-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38315-38324.	8.0	17
12	Characteristics of the Energetic Igniters Through Integrating Al/NiO Nanolaminates on Cr Film Bridge. <i>Nanoscale Research Letters</i> , 2015, 10, 504.	5.7	14
13	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
14	Reactive B/Ti Nano-Multilayers with Superior Performance in Plasma Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21582-21589.	8.0	13
15	Mapping Techniques for the Design of Lithium-Sulfur Batteries. <i>Small</i> , 2022, 18, e2106657.	10.0	13
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	In Situ-Formed and Low-Temperature-Deposited Nb:TiO <sub>2</sub> Compact-Mesoporous Layer for Hysteresis-Less Perovskite Solar Cells with High Performance. <i>Nanoscale Research Letters</i> , 2020, 15, 135.	5.7	1