

Yikang Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5315776/publications.pdf>

Version: 2024-02-01

21
papers

1,068
citations

623734

14
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1700
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaching theoretical specific capacity of iron-rich lithium iron silicate using graphene-incorporation and fluorine-doping. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4006-4014.	10.3	10
2	Achieving SEI preformed graphite in flow cell to mitigate initial lithium loss. <i>Carbon</i> , 2022, 196, 589-595.	10.3	18
3	Offsetting Initial Lithium Loss By Pre-Forming SEI Layer on Graphite Surface. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 394-394.	0.0	0
4	Building Better Li Metal Anodes in Liquid Electrolyte: Challenges and Progress. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18-33.	8.0	41
5	Poly(vinylidene difluoride) coating on Cu current collector for high-performance Na metal anode. <i>Energy Storage Materials</i> , 2020, 24, 588-593.	18.0	48
6	Dendrite-Free lithium electrode enabled by graphene aerogels with gradient porosity. <i>Energy Storage Materials</i> , 2020, 33, 329-335.	18.0	28
7	Surface Proton Conduction over Catalyst Support via Chemically Grafted Groups. <i>Journal of the Electrochemical Society</i> , 2020, 167, 164509.	2.9	4
8	Hybrid Protective Layer for Stable Sodium Metal Anodes at High Utilization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37693-37700.	8.0	51
9	Monodisperse tin nanoparticles and hollow tin oxide nanospheres as anode materials for high performance lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 473-476.	6.0	14
10	Yolk-shell structured SnSe as a high-performance anode for Na-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 562-565.	6.0	48
11	Lithiophilic Ag Nanoparticle Layer on Cu Current Collector toward Stable Li Metal Anode. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8148-8154.	8.0	120
12	3D Printing of Hierarchical Graphene Lattice for Advanced Na Metal Anodes. <i>ACS Applied Energy Materials</i> , 2019, 2, 3869-3877.	5.1	40
13	SnPO _{0.94} nanoplates/graphene oxide composite for novel potassium-ion battery anode. <i>Chemical Engineering Journal</i> , 2019, 370, 677-683.	12.7	77
14	Thermally reduced graphene paper with fast Li ion diffusion for stable Li metal anode. <i>Electrochimica Acta</i> , 2019, 294, 413-422.	5.2	28
15	Fluoroalkyl-silane-modified 3D graphene foam with improved Joule-heating effects and high hydrophobicity-derived anti-icing properties. <i>Journal of Materials Science</i> , 2018, 53, 528-537.	3.7	15
16	Mechanically robust and electrically conductive graphene-paper/glass-fibers/epoxy composites for stimuli-responsive sensors and Joule heating heaters. <i>Carbon</i> , 2017, 124, 296-307.	10.3	56
17	Mild synthesis of monodisperse tin nanocrystals and tin chalcogenide hollow nanostructures. <i>Chemical Communications</i> , 2017, 53, 11001-11004.	4.1	14
18	Hyperbolically Patterned 3D Graphene Metamaterial with Negative Poisson's Ratio and Superelasticity. <i>Advanced Materials</i> , 2016, 28, 2229-2237.	21.0	178

#	ARTICLE	IF	CITATIONS
19	Naturally Dried Graphene Aerogels with Superelasticity and Tunable Poisson's Ratio. <i>Advanced Materials</i> , 2016, 28, 9223-9230.	21.0	254
20	Outdoor experiment of flexible sandwiched graphite-PET sheets based self-snow-thawing pavement. <i>Cold Regions Science and Technology</i> , 2016, 122, 10-17.	3.5	24
21	Fluidic behaviours in a 2D folded-graphene aerogel monolith. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 425301.	2.8	0