

Zhenzhu Li

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,021
citations

331259

21
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

3364
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxide perovskites, double perovskites and derivatives for electrocatalysis, photocatalysis, and photovoltaics. <i>Energy and Environmental Science</i> , 2019, 12, 442-462.	15.6	433
2	Thermodynamic Stability Landscape of Halide Double Perovskites via High-Throughput Computing and Machine Learning. <i>Advanced Functional Materials</i> , 2019, 29, 1807280.	7.8	131
3	Monitoring Local Strain Vector in Atomic-Layered MoSe ₂ by Second-Harmonic Generation. <i>Nano Letters</i> , 2017, 17, 7539-7543.	4.5	128
4	Raman Spectra and Corresponding Strain Effects in Graphyne and Graphdiyne. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10605-10613.	1.5	116
5	Architecture of Graphdiyne-Containing Thin Film Using Modified Glaser-Hay Coupling Reaction for Enhanced Photocatalytic Property of TiO ₂ . <i>Advanced Materials</i> , 2017, 29, 1700421.	11.1	115
6	Chemical Vapor Deposition Growth of Linked Carbon Monolayers with Acetylenic Scaffoldings on Silver Foil. <i>Advanced Materials</i> , 2017, 29, 1604665.	11.1	114
7	Superhydrophilic Graphdiyne Accelerates Interfacial Mass/Electron Transportation to Boost Electrocatalytic and Photoelectrocatalytic Water Oxidation Activity. <i>Advanced Functional Materials</i> , 2019, 29, 1808079.	7.8	95
8	Plasmon-Free Surface-Enhanced Raman Spectroscopy Using Metallic 2D Materials. <i>ACS Nano</i> , 2019, 13, 8312-8319.	7.3	94
9	Low-Temperature Heteroepitaxy of 2D Pb ₂ /Graphene for Large-Area Flexible Photodetectors. <i>Advanced Materials</i> , 2018, 30, e1803194.	11.1	93
10	Nanostructured Bi ₂ S ₃ encapsulated within three-dimensional N-doped graphene as active and flexible anodes for sodium-ion batteries. <i>Nano Research</i> , 2018, 11, 4614-4626.	5.8	92
11	Confining MOF-derived SnSe nanoplatelets in nitrogen-doped graphene cages via direct CVD for durable sodium ion storage. <i>Nano Research</i> , 2019, 12, 3051-3058.	5.8	70
12	Anisotropic carrier mobility in two-dimensional materials with tilted Dirac cones: theory and application. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23942-23950.	1.3	69
13	Rationalizing Perovskite Data for Machine Learning and Materials Design. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6948-6954.	2.1	68
14	PECVD-derived graphene nanowall/lithium composite anodes towards highly stable lithium metal batteries. <i>Energy Storage Materials</i> , 2019, 22, 29-39.	9.5	65
15	Large-Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14446-14451.	7.2	64
16	Graphdiyne Filter for Decontaminating Lead-Ion-Polluted Water. <i>Advanced Electronic Materials</i> , 2017, 3, 1700122.	2.6	56
17	Coordination assembly of 2D ordered organic metal chalcogenides with widely tunable electronic band gaps. <i>Nature Communications</i> , 2020, 11, 261.	5.8	52
18	Copper-Containing Carbon Feedstock for Growing Superclean Graphene. <i>Journal of the American Chemical Society</i> , 2019, 141, 7670-7674.	6.6	47

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19	Intrinsic carrier mobility of Dirac cones: The limitations of deformation potential theory. Journal of Chemical Physics, 2014, 141, 144107.	1.2	32
20	Lone pair driven anisotropy in antimony chalcogenide semiconductors. Physical Chemistry Chemical Physics, 2022, 24, 7195-7202.	1.3	27
21	Growth of defect-engineered graphene on manganese oxides for Li-ion storage. Energy Storage Materials, 2018, 12, 110-118.	9.5	26
22	Movement of Dirac points and band gaps in graphyne under rotating strain. Nano Research, 2017, 10, 2005-2020.	5.8	15
23	Recent progress in Pb-free stable inorganic double halide perovskites. Journal of Semiconductors, 2018, 39, 071003.	2.0	14
24	Large Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. Angewandte Chemie, 2019, 131, 14588-14593.	1.6	5