Zhenzhu Li

List of Publications by Year
in descending order

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24	2,021	331259	610482
papers	citations	21 h-index	24 g-index

24	24	24	3364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lone pair driven anisotropy in antimony chalcogenide semiconductors. Physical Chemistry Chemical Physics, 2022, 24, 7195-7202.	1.3	27
2	Coordination assembly of 2D ordered organic metal chalcogenides with widely tunable electronic band gaps. Nature Communications, 2020, 11, 261.	5.8	52
3	Oxide perovskites, double perovskites and derivatives for electrocatalysis, photocatalysis, and photovoltaics. Energy and Environmental Science, 2019, 12, 442-462.	15.6	433
4	Largeâ€Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. Angewandte Chemie - International Edition, 2019, 58, 14446-14451.	7.2	64
5	Plasmon-Free Surface-Enhanced Raman Spectroscopy Using Metallic 2D Materials. ACS Nano, 2019, 13, 8312-8319.	7.3	94
6	Largeâ€Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. Angewandte Chemie, 2019, 131, 14588-14593.	1.6	5
7	Confining MOF-derived SnSe nanoplatelets in nitrogen-doped graphene cages via direct CVD for durable sodium ion storage. Nano Research, 2019, 12, 3051-3058.	5.8	70
8	Superhydrophilic Graphdiyne Accelerates Interfacial Mass/Electron Transportation to Boost Electrocatalytic and Photoelectrocatalytic Water Oxidation Activity. Advanced Functional Materials, 2019, 29, 1808079.	7.8	95
9	Copper-Containing Carbon Feedstock for Growing Superclean Graphene. Journal of the American Chemical Society, 2019, 141, 7670-7674.	6.6	47
10	PECVD-derived graphene nanowall/lithium composite anodes towards highly stable lithium metal batteries. Energy Storage Materials, 2019, 22, 29-39.	9.5	65
11	Thermodynamic Stability Landscape of Halide Double Perovskites via Highâ€Throughput Computing and Machine Learning. Advanced Functional Materials, 2019, 29, 1807280.	7.8	131
12	Nanostructured Bi2S3 encapsulated within three-dimensional N-doped graphene as active and flexible anodes for sodium-ion batteries. Nano Research, 2018, 11, 4614-4626.	5.8	92
13	Growth of defect-engineered graphene on manganese oxides for Li-ion storage. Energy Storage Materials, 2018, 12, 110-118.	9.5	26
14	Rationalizing Perovskite Data for Machine Learning and Materials Design. Journal of Physical Chemistry Letters, 2018, 9, 6948-6954.	2.1	68
15	Recent progress in Pb-free stable inorganic double halide perovskites. Journal of Semiconductors, 2018, 39, 071003.	2.0	14
16	Lowâ€Temperature Heteroepitaxy of 2D PbI₂/Graphene for Largeâ€Area Flexible Photodetectors. Advanced Materials, 2018, 30, e1803194.	11.1	93
17	Movement of Dirac points and band gaps in graphyne under rotating strain. Nano Research, 2017, 10, 2005-2020.	5.8	15
18	Chemical Vapor Deposition Growth of Linked Carbon Monolayers with Acetylenic Scaffoldings on Silver Foil. Advanced Materials, 2017, 29, 1604665.	11.1	114

#	Article	IF	Citations
19	Graphdiyne Filter for Decontaminating Leadâ€Ionâ€Polluted Water. Advanced Electronic Materials, 2017, 3, 1700122.	2.6	56
20	Architecture of Î²â€Graphdiyneâ€Containing Thin Film Using Modified Glaserâ€“Hay Coupling Reaction for Enhanced Photocatalytic Property of TiO₂. Advanced Materials, 2017, 29, 1700421.	11.1	115
21	Anisotropic carrier mobility in two-dimensional materials with tilted Dirac cones: theory and application. Physical Chemistry Chemical Physics, 2017, 19, 23942-23950.	1.3	69
22	Monitoring Local Strain Vector in Atomic-Layered MoSe₂ by Second-Harmonic Generation. Nano Letters, 2017, 17, 7539-7543.	4.5	128
23	Raman Spectra and Corresponding Strain Effects in Graphyne and Graphdiyne. Journal of Physical Chemistry C, 2016, 120, 10605-10613.	1.5	116
24	Intrinsic carrier mobility of Dirac cones: The limitations of deformation potential theory. Journal of Chemical Physics, 2014, 141, 144107.	1.2	32