Zhenzhu Li

List of Publications by Year
in descending order

24 papers	2,021 citations	331670 21 h-index	610901 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. Energy and Environmental Science, 2019, 12, 442-462.	30.8	433
2	Thermodynamic Stability Landscape of Halide Double Perovskites via High‐Throughput Computing and Machine Learning. Advanced Functional Materials, 2019, 29, 1807280.	14.9	131
3	Monitoring Local Strain Vector in Atomic-Layered $MoSe_2$ by Second-Harmonic Generation. Nano Letters, 2017, 17, 7539-7543.	9.1	128
4	Raman Spectra and Corresponding Strain Effects in Graphyne and Graphdiyne. Journal of Physical Chemistry C, 2016, 120, 10605-10613.	3.1	116
5	Architecture of β‐Graphdiyne‐Containing Thin Film Using Modified Glaser–Hay Coupling Reaction for Enhanced Photocatalytic Property of TiO_2. Advanced Materials, 2017, 29, 1700421.	21.0	115
6	Chemical Vapor Deposition Growth of Linked Carbon Monolayers with Acetylenic Scaffoldings on Silver Foil. Advanced Materials, 2017, 29, 1604665.	21.0	114
7	Superhydrophilic Graphdiyne Accelerates Interfacial Mass/Electron Transportation to Boost Electrocatalytic and Photoelectrocatalytic Water Oxidation Activity. Advanced Functional Materials, 2019, 29, 1808079.	14.9	95
8	Plasmon-Free Surface-Enhanced Raman Spectroscopy Using Metallic 2D Materials. ACS Nano, 2019, 13, 8312-8319.	14.6	94
9	Low‐Temperature Heteroepitaxy of 2D PbI_2/Graphene for Large‐Area Flexible Photodetectors. Advanced Materials, 2018, 30, e1803194.	21.0	93
10	Nanostructured Bi2S3 encapsulated within three-dimensional N-doped graphene as active and flexible anodes for sodium-ion batteries. Nano Research, 2018, 11, 4614-4626.	10.4	92
11	Confining MOF-derived SnSe nanoplatelets in nitrogen-doped graphene cages via direct CVD for durable sodium ion storage. Nano Research, 2019, 12, 3051-3058.	10.4	70
12	Anisotropic carrier mobility in two-dimensional materials with tilted Dirac cones: theory and application. Physical Chemistry Chemical Physics, 2017, 19, 23942-23950.	2.8	69
13	Rationalizing Perovskite Data for Machine Learning and Materials Design. Journal of Physical Chemistry Letters, 2018, 9, 6948-6954.	4.6	68
14	PECVD-derived graphene nanowall/lithium composite anodes towards highly stable lithium metal batteries. Energy Storage Materials, 2019, 22, 29-39.	18.0	65
15	Large‐Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. Angewandte Chemie - International Edition, 2019, 58, 14446-14451.	13.8	64
16	Graphdiyne Filter for Decontaminating Lead‐Ion‐Polluted Water. Advanced Electronic Materials, 2017, 3, 1700122.	5.1	56
17	Coordination assembly of 2D ordered organic metal chalcogenides with widely tunable electronic band gaps. Nature Communications, 2020, 11, 261.	12.8	52
18	Copper-Containing Carbon Feedstock for Growing Superclean Graphene. Journal of the American Chemical Society, 2019, 141, 7670-7674.	13.7	47

#	Article	IF	Citations
19	Intrinsic carrier mobility of Dirac cones: The limitations of deformation potential theory. Journal of Chemical Physics, 2014, 141, 144107.	3.0	32
20	Lone pair driven anisotropy in antimony chalcogenide semiconductors. Physical Chemistry Chemical Physics, 2022, 24, 7195-7202.	2.8	27
21	Growth of defect-engineered graphene on manganese oxides for Li-ion storage. Energy Storage Materials, 2018, 12, 110-118.	18.0	26
22	Movement of Dirac points and band gaps in graphyne under rotating strain. Nano Research, 2017, 10, 2005-2020.	10.4	15
23	Recent progress in Pb-free stable inorganic double halide perovskites. Journal of Semiconductors, 2018, 39, 071003.	3.7	14
24	Large‐Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. Angewandte Chemie, 2019, 131, 14588-14593.	2.0	5