Hong En Lim

List of Publications by Year
in descending order

23 papers	798 citations	516710 16 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	1611 citing authors

#	Article	IF	Citations
1	Anisotropic optical and electronic properties of two-dimensional layered germanium sulfide. Nano Research, 2017, 10, 546-555.	10.4	135
2	Growth of carbon nanotubes via twisted graphene nanoribbons. Nature Communications, 2013, 4, 2548.	12.8	89
3	Tunable Doping of Rhenium and Vanadium into Transition Metal Dichalcogenides for Twoâ€Dimensional Electronics. Advanced Science, 2021, 8, e2004438.	11.2	66
4	Efficient Photocarrier Transfer and Effective Photoluminescence Enhancement in Type I Monolayer MoTe₂/WSe₂ Heterostructure. Advanced Functional Materials, 2018, 28, 1801021.	14.9	62
5	Roles of Polymer Layer in Enhanced Photovoltaic Performance of Perovskite Solar Cells via Interface Engineering. Advanced Materials Interfaces, 2018, 5, 1701256.	3.7	60
6	Short channel field-effect transistors from highly enriched semiconducting carbon nanotubes. Nano Research, 2012, 5, 388-394.	10.4	40
7	Direct and Indirect Exciton Dynamics in Fewâ€Layered ReS₂ Revealed by Photoluminescence and Pumpâ€Probe Spectroscopy. Advanced Functional Materials, 2019, 29, 1806169.	14.9	39
8	Restoring the intrinsic optical properties of CVD-grown MoS₂ monolayers and their heterostructures. Nanoscale, 2019, 11, 12798-12803.	5.6	37
9	Fabrication and Optical Probing of Highly Extended, Ultrathin Graphene Nanoribbons in Carbon Nanotubes. ACS Nano, 2015, 9, 5034-5040.	14.6	36
10	Photoluminescence quantum yields for atomically thin-layered ReS2: Identification of indirect-bandgap semiconductors. Applied Physics Letters, 2018, 113, .	3.3	34
11	Carrier Transport and Photoresponse in GeSe/MoS₂ Heterojunction pâ€“n Diodes. Small, 2018, 14, e1704559.	10.0	32
12	On/Off Boundary of Photocatalytic Activity between Single- and Bilayer MoS₂. ACS Nano, 2020, 14, 6663-6672.	14.6	29
13	High Bending Durability of Efficient Flexible Perovskite Solar Cells Using Metal Oxide Electron Transport Layer. Journal of Physical Chemistry C, 2018, 122, 17088-17095.	3.1	28
14	Mixed-Salt Enhanced Chemical Vapor Deposition of Two-Dimensional Transition Metal Dichalcogenides. Chemistry of Materials, 2021, 33, 7301-7308.	6.7	22
15	Evaluation of photoluminescence quantum yield of monolayer WSe₂ using reference dye of 3â€borylbithiophene derivative. Physica Status Solidi (B): Basic Research, 2017, 254, 1600563.	1.5	18
16	Wafer-Scale Growth of One-Dimensional Transition-Metal Telluride Nanowires. Nano Letters, 2021, 21, 243-249.	9.1	18
17	Ultrafast Charge Transfer and Relaxation Dynamics in Polymer-Encapsulating Single-Walled Carbon Nanotubes: Polythiophene and Coronene Polymer. Journal of Physical Chemistry C, 2018, 122, 16940-16949.	3.1	12
18	Air-stable and efficient electron doping of monolayer MoS₂ by saltâ€“crown ether treatment. Nanoscale, 2021, 13, 8784-8789.	5.6	12

#	Article	IF	Citations
19	Control of Thermal Conductance across Vertically Stacked Two-Dimensional van der Waals Materials via Interfacial Engineering. ACS Nano, 2021, 15, 15902-15909.	14.6	11
20	Monolayer MoS2 growth at the Auâ€“SiO2 interface. Nanoscale, 2019, 11, 19700-19704.	5.6	7
21	Nanowire-to-Nanoribbon Conversion in Transition-Metal Chalcogenides: Implications for One-Dimensional Electronics and Optoelectronics. ACS Applied Nano Materials, 2022, 5, 1775-1782.	5.0	7
22	Formation of a Two-Dimensional Electronic System in Laterally Assembled WTe Nanowires. ACS Applied Nano Materials, 2022, 5, 6277-6284.	5.0	4
23	Photoluminescence quantum yield and long exciton radiative lifetime in monolayer two-dimensional transition metal dichalcogenides. , 2016, , .		0