Yuanzheng Li

List of Publications by Year
in descending order

26	754	687220 13	580701 25
papers	citations	h-index	g-index

26	26	26	1314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Directed exfoliating and ordered stacking of transition-metal-dichalcogenides. Nanoscale, 2022, 14, 7484-7492.	2.8	2
2	Engineering Relaxation-Paths of C-Exciton for Constructing Band Nesting Bypass in WS₂ Monolayer. Nano Letters, 2022, 22, 3699-3706.	4.5	6
3	Highly stable and luminescent silica-coated perovskite quantum dots at nanoscale-particle level via nonpolar solvent synthesis. Chemical Engineering Journal, 2021, 407, 128001.	6.6	66
4	Enhanced Photostability and Photoluminescence of PbI 2 via Constructing Typeâ€Ⅰ Heterostructure with ZnO. Advanced Photonics Research, 2021, 2, 2000183.	1.7	2
5	Enhanced Photostability and Photoluminescence of PbI₂ via Constructing Typeâ€Ⅰ Heterostructure with ZnO. Advanced Photonics Research, 2021, 2, 2170017.	1.7	0
6	Deep Learning Based Densely Connected Network for Load Forecasting. IEEE Transactions on Power Systems, 2021, 36, 2829-2840.	4.6	57
7	Revealing the interrelation between C- and A-exciton dynamics in monolayer WS2 via transient absorption spectroscopy. Applied Physics Letters, 2021, 119, .	1.5	10
8	Unraveling the synergetic mechanism of physisorption and chemisorption in laser-irradiated monolayer WS2. Nano Research, 2021, 14, 4274-4280.	5.8	6
9	Suspended few-layer GaS photodetector with sensitive fast response. Materials and Design, 2021, 212, 110233.	3.3	9
10	Highly Photoluminescent Monolayer MoS₂ and WS₂ Achieved via Superacid Assisted Vacancy Reparation and Doping Strategy. Laser and Photonics Reviews, 2021, 15, 2100104.	4.4	11
11	Unveiling Bandgap Evolution and Carrier Redistribution in Multilayer WSe 2 : Enhanced Photon Emission via Heat Engineering. Advanced Optical Materials, 2020, 8, 1901226.	3.6	12
12	Synchronously improved stretchability and mobility by tuning the molecular weight for intrinsically stretchable transistors. Journal of Materials Chemistry C, 2020, 8, 15646-15654.	2.7	26
13	Manipulating Transfer and Separation of Photocarriers in Monolayer WS₂ via CdSe Quantum Dot Doping. ACS Photonics, 2020, 7, 1857-1865.	3.2	11
14	Enhanced Carrierâ€“Exciton Interactions in Monolayer MoS2 under Applied Voltages. ACS Applied Materials & Interfaces, 2020, 12, 18870-18876.	4.0	7
15	Twisted-Angle-Dependent Optical Behaviors of Intralayer Excitons and Trions in WS₂/WSe₂ Heterostructure. ACS Photonics, 2019, 6, 3082-3091.	3.2	41
16	Ultrafast carrier dynamics in two-dimensional transition metal dichalcogenides. Journal of Materials Chemistry C, 2019, 7, 4304-4319.	2.7	51
17	Engineering fluorescence intensity and electron concentration of monolayer MoS₂ by forming heterostructures with semiconductor dots. Nanoscale, 2019, 11, 6544-6551.	2.8	14
18	Slow Cooling of Highâ€Energy C Excitons Is Limited by Intervalleyâ€Transfer in Monolayer MoS 2. Laser and Photonics Reviews, 2019, 13, 1800270.	4.4	22

#	Article	IF	Citations
19	Accurate identification of layer number for few-layer WS₂and WSe₂via spectroscopic study. Nanotechnology, 2018, 29, 124001.	1.3	52
20	Strong Excitonâ€“Photon Coupling in Hybrid Inorganicâ€“Organic Perovskite Micro/Nanowires. Advanced Optical Materials, 2018, 6, 1701032.	3.6	114
21	Strong Excitonâ€“Photon Coupling and Lasing Behavior in All-Inorganic CsPbBr₃ Micro/Nanowire Fabry-PÃ©rot Cavity. ACS Photonics, 2018, 5, 2051-2059.	3.2	145
22	High-temperature driven inter-valley carrier transfer and significant fluorescence enhancement in multilayer WS₂. Nanoscale Horizons, 2018, 3, 598-605.	4.1	13
23	The Auger process in multilayer WSe₂ crystals. Nanoscale, 2018, 10, 17585-17592.	2.8	20
24	Enhancement of Exciton Emission from Multilayer MoS₂ at High Temperatures: Intervalley Transfer versus Interlayer Decoupling. Small, 2017, 13, 1700157.	5.2	19
25	Controlled Gas Molecules Doping of Monolayer MoS₂ via Atomic-Layer-Deposited Al₂O₃ Films. ACS Applied Materials & Interfaces, 2017, 9, 27402-27408.	4.0	23
26	Abnormal high-temperature luminescence enhancement observed in monolayer MoS₂ flakes: thermo-driven transition from negatively charged trions to neutral excitons. Journal of Materials Chemistry C, 2016, 4, 9187-9196.	2.7	15