Xuedan

List of Publications by Year
in descending order

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23 papers	564 citations	687363 13 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	834 citing authors

#	Article	IF	Citations
1	Bright and stable light-emitting diodes made with perovskite nanocrystals stabilized in metalâ€“organic frameworks. Nature Photonics, 2021, 15, 843-849.	31.4	117
2	Size-Dependent Biexciton Quantum Yields and Carrier Dynamics of Quasi-Two-Dimensional Core/Shell Nanoplatelets. ACS Nano, 2017, 11, 9119-9127.	14.6	66
3	Giant PbSe/CdSe/CdSe Quantum Dots: Crystal-Structure-Defined Ultrastable Near-Infrared Photoluminescence from Single Nanocrystals. Journal of the American Chemical Society, 2017, 139, 11081-11088.	13.7	48
4	Lightâ€Gated Synthetic Protocells for Plasmonâ€Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. Angewandte Chemie - International Edition, 2019, 58, 4896-4900.	13.8	41
5	Anisotropic Photoluminescence from Isotropic Optical Transition Dipoles in Semiconductor Nanoplatelets. Nano Letters, 2018, 18, 4647-4652.	9.1	38
6	Distance makes a difference in crystalline photoluminescence. Nature Communications, 2020, 11, 5572.	12.8	37
7	Creation of Single-Photon Emitters in WSe₂ Monolayers Using Nanometer-Sized Gold Tips. Nano Letters, 2020, 20, 5866-5872.	9.1	33
8	Strain-Induced Trapping of Indirect Excitons in MoSe₂/WSe₂ Heterostructures. ACS Photonics, 2020, 7, 2460-2467.	6.6	29
9	Bright trion emission from semiconductor nanoplatelets. Physical Review Materials, 2020, 4, .	2.4	24
10	Sculpted grain boundaries in soft crystals. Science Advances, 2019, 5, eaax9112.	10.3	18
11	Ultrafast Exciton Trapping at sp³ Quantum Defects in Carbon Nanotubes. ACS Nano, 2019, 13, 13264-13270.	14.6	17
12	sp³-Functionalization of Single-Walled Carbon Nanotubes Creates Localized Spins. ACS Nano, 2020, 14, 17675-17682.	14.6	17
13	Solitary Oxygen Dopant Emission from Carbon Nanotubes Modified by Dielectric Metasurfaces. ACS Nano, 2017, 11, 6431-6439.	14.6	15
14	Fabrication of a Microcavity Prepared by Remote Epitaxy over Monolayer Molybdenum Disulfide. ACS Nano, 2022, 16, 2399-2406.	14.6	13
15	Lightâ€Gated Synthetic Protocells for Plasmonâ€Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. Angewandte Chemie, 2019, 131, 4950-4954.	2.0	12
16	Titanium Nitride Modified Photoluminescence from Single Semiconductor Nanoplatelets. Advanced Functional Materials, 2020, 30, 1904179.	14.9	7
17	Observation of biexciton emission from single semiconductor nanoplatelets. Physical Review Materials, 2021, 5, .	2.4	7
18	Tuning spinâ€“orbit coupling in (6,5) single-walled carbon nanotube doped with sp3 defects. Journal of Applied Physics, 2021, 129, .	2.5	6

#	Article	IF	Citations
19	Multi-exciton emission from solitary dopant states of carbon nanotubes. Nanoscale, 2017, 9, 16143-16148.	5.6	5
20	Brightening of Dark States in CsPbBr₃ Quantum Dots Caused by Lightâ€Induced Magnetism. Small, 2021, 17, e2101527.	10.0	5
21	Trapping interlayer excitons in van der Waals heterostructures by potential arrays. Physical Review B, 2021, 104, .	3.2	5
22	Influence of local structures on the energy transfer efficiencies of quantum-dot films. Physical Review B, 2020, 102, .	3.2	3
23	Spontaneous formation of anisotropic microrods from paraffin wax in an aqueous environment. Soft Matter, 2021, 18, 156-161.	2.7	1