

Kaiyuan Yao

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

770
citations

840776

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1125743

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all docs

13
docs citations

13
times ranked

1242
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous-wave upconverting nanoparticle microlasers. <i>Nature Nanotechnology</i> , 2018, 13, 572-577.	31.5	188
2	Giant nonlinear optical responses from photon-avalanching nanoparticles. <i>Nature</i> , 2021, 589, 230-235.	27.8	167
3	Optically Discriminating Carrier-Induced Quasiparticle Band Gap and Exciton Energy Renormalization in Monolayer MoS_2 Physical Review Letters, 2017, 119, 087401.	7.8	74
4	Optical parametric amplification by monolayer transition metal dichalcogenides. <i>Nature Photonics</i> , 2021, 15, 6-10.	31.4	74
5	Enhanced tunable second harmonic generation from twistable interfaces and vertical superlattices in boron nitride homostructures. <i>Science Advances</i> , 2021, 7, .	10.3	73
6	Controlled Assembly of Upconverting Nanoparticles for Low-Threshold Microlasers and Their Imaging in Scattering Media. <i>ACS Nano</i> , 2020, 14, 1508-1519.	14.6	44
7	Continuous Wave Sum Frequency Generation and Imaging of Monolayer and Heterobilayer Two-Dimensional Semiconductors. <i>ACS Nano</i> , 2020, 14, 708-714.	14.6	41
8	Chemical crystallography by serial femtosecond X-ray diffraction. <i>Nature</i> , 2022, 601, 360-365.	27.8	33
9	Damage-Free Atomic Layer Etch of WSe_2 : A Platform for Fabricating Clean Two-Dimensional Devices. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1930-1942.	8.0	24
10	Strongly Quantum-Confined Blue-Emitting Excitons in Chemically Configurable Multiquantum Wells. <i>ACS Nano</i> , 2021, 15, 4085-4092.	14.6	21
11	Metallohydrogel-Assisted Synthesis and Direct Writing of Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2019, 29, 1807612.	14.9	12
12	Surface-Sensitive Photon Avalanche Behavior Revealed by Single-Avalanching-Nanoparticle Imaging. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23976-23982.	3.1	10
13	Nanoscale Optical Imaging of 2D Semiconductor Stacking Orders by Exciton-Enhanced Second Harmonic Generation. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	9