

# Kaiyuan Yao

## List of Publications by Year in descending order

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13  
papers

770  
citations

840776

11  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1242  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical crystallography by serial femtosecond X-ray diffraction. <i>Nature</i> , 2022, 601, 360-365.	27.8	33
2	Nanoscale Optical Imaging of 2D Semiconductor Stacking Orders by Exciton-Enhanced Second Harmonic Generation. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	9
3	Strongly Quantum-Confined Blue-Emitting Excitons in Chemically Configurable Multiquantum Wells. <i>ACS Nano</i> , 2021, 15, 4085-4092.	14.6	21
4	Optical parametric amplification by monolayer transition metal dichalcogenides. <i>Nature Photonics</i> , 2021, 15, 6-10.	31.4	74
5	Giant nonlinear optical responses from photon-avalanching nanoparticles. <i>Nature</i> , 2021, 589, 230-235.	27.8	167
6	Enhanced tunable second harmonic generation from twistable interfaces and vertical superlattices in boron nitride homostructures. <i>Science Advances</i> , 2021, 7, .	10.3	73
7	Damage-Free Atomic Layer Etch of $WSe_2$ : A Platform for Fabricating Clean Two-Dimensional Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 1930-1942.	8.0	24
8	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
9	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
10	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
11	Metallo-Hydrogel-Assisted Synthesis and Direct Writing of Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2019, 29, 1807612.	14.9	12
12	Continuous-wave upconverting nanoparticle microlasers. <i>Nature Nanotechnology</i> , 2018, 13, 572-577.	31.5	188
13	Optically Discriminating Carrier-Induced Quasiparticle Band Gap and Exciton Energy Renormalization in Monolayer $MoS_2$ . <i>Physical Review Letters</i> , 2017, 119, 087401.	7.8	74