

Kai Hao

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,143
citations

933447

10
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

1869
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsic homogeneous linewidth and broadening mechanisms of excitons in monolayer transition metal dichalcogenides. Nature Communications, 2015, 6, 8315.	12.8	408
2	Direct measurement of exciton valley coherence in monolayer WSe ₂ . Nature Physics, 2016, 12, 677-682.	16.7	223
3	Neutral and charged inter-valley biexcitons in monolayer MoSe ₂ . Nature Communications, 2017, 8, 15552.	12.8	159
4	Long-Lived Valley Polarization of Intravalley Trions in Monolayer WSe_2 . Physical Review Letters, 2016, 117, 257402.	7.8	101
5	Coherent and Incoherent Coupling Dynamics between Neutral and Charged Excitons in Monolayer MoSe ₂ . Nano Letters, 2016, 16, 5109-5113.	9.1	78
6	Dzyaloshinskii-Moriya Interaction across an Antiferromagnet-Ferromagnet Interface. Physical Review Letters, 2017, 119, 027202.	7.8	75
7	Trion valley coherence in monolayer semiconductors. 2D Materials, 2017, 4, 025105.	4.4	34
8	Electrically controllable chirality in a nanophotonic interface with a two-dimensional semiconductor. Nature Photonics, 2022, 16, 330-336.	31.4	21
9	Disorder-dependent valley properties in monolayer WS_2 . Physical Review B, 2017, 96, .	3.2	17
10	Phonon-Assisted Intervalley Scattering Determines Ultrafast Exciton Dynamics in $MoSe_2$ Bilayers. Physical Review Letters, 2021, 127, 157403.	7.8	15
11	High-Q Nanophotonic Resonators on Diamond Membranes using Templated Atomic Layer Deposition of TiO ₂ . Nano Letters, 2020, 20, 4603-4609.	9.1	11
12	Coherent quantum dynamics of excitons in monolayer transition metal dichalcogenides. Proceedings of SPIE, 2016, , .	0.8	1
13	Trion valley dynamics in monolayer WSe ₂ . , 2017, , .		0
14	Trion Valley Coherence in Transition Metal Dichalcogenides. , 2017, , .		0
15	Valley Polarization Dynamics of Inter- and Intra-valley Trions in Monolayer WSe ₂ . , 2017, , .		0