

Philipp Nagler

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,117
citations

304743

22
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

3980
citing authors

#	ARTICLE	IF	CITATIONS
1	Coulomb engineering of the bandgap and excitons in two-dimensional materials. Nature Communications, 2017, 8, 15251.	12.8	526
2	Excitonic linewidth and coherence lifetime in monolayer transition metal dichalcogenides. Nature Communications, 2016, 7, 13279.	12.8	360
3	Identification of excitons, trions and biexcitons in single-layer WS ₂ . Physica Status Solidi - Rapid Research Letters, 2015, 9, 457-461.	2.4	282
4	Trion fine structure and coupled spin-valley dynamics in monolayer tungsten disulfide. Nature Communications, 2016, 7, 12715.	12.8	239
5	Momentum-space indirect interlayer excitons in transition-metal dichalcogenide van der Waals heterostructures. Nature Physics, 2018, 14, 801-805.	16.7	229
6	Exciton Diffusion and Halo Effects in Monolayer Semiconductors. Physical Review Letters, 2018, 120, 207401.	7.8	193
7	Direct Observation of Ultrafast Exciton Formation in a Monolayer of WSe ₂ . Nano Letters, 2017, 17, 1455-1460.	9.1	171
8	Neutral and charged inter-valley biexcitons in monolayer MoSe ₂ . Nature Communications, 2017, 8, 15552.	12.8	159
9	Interlayer exciton dynamics in a dichalcogenide monolayer heterostructure. 2D Materials, 2017, 4, 025112.	4.4	146
10	Excitonic Valley Effects in Monolayer WS ₂ under High Magnetic Fields. Nano Letters, 2016, 16, 7899-7904.	9.1	114
11	Giant magnetic splitting inducing near-unity valley polarization in van der Waals heterostructures. Nature Communications, 2017, 8, 1551.	12.8	105
12	Coherent and Incoherent Coupling Dynamics between Neutral and Charged Excitons in Monolayer MoSe ₂ . Nano Letters, 2016, 16, 5109-5113.	9.1	78
13	Magnetic-Field-Induced Rotation of Polarized Light Emission from Monolayer WS_2 . Physical Review Letters, 2016, 117, 077402.	7.8	76
14	Zeeman Splitting and Inverted Polarization of Biexciton Emission in Monolayer WS_2 . Physical Review Letters, 2018, 121, 057402.	7.8	70
15	Direct Observation of the Band Gap Transition in Atomically Thin ReS ₂ . Nano Letters, 2017, 17, 5187-5192.	9.1	65
16	Observation of anisotropic interlayer Raman modes in few-layer ReS ₂ . Physica Status Solidi - Rapid Research Letters, 2016, 10, 185-189.	2.4	48
17	Spatial extent of the excited exciton states in WS_2 monolayers from diamagnetic shifts. Physical Review B, 2018, 98, .	3.2	30
18	Dielectric Engineering of Electronic Correlations in a van der Waals Heterostructure. Nano Letters, 2018, 18, 1402-1409.	9.1	39

#	ARTICLE	IF	CITATIONS
19	Trion valley coherence in monolayer semiconductors. 2D Materials, 2017, 4, 025105.	4.4	34
20	Ultrafast Charge-Transfer Dynamics in Twisted MoS ₂ /WSe ₂ Heterostructures. ACS Nano, 2021, 15, 14725-14731.	14.6	32
21	Low-frequency Raman scattering in WSe ₂ ~MoSe ₂ heterobilayers: Evidence for atomic reconstruction. Applied Physics Letters, 2020, 117, .	3.3	30
22	Moiré phonons in twisted MoSe ₂ ~WSe ₂ heterobilayers and their correlation with interlayer excitons. 2D Materials, 2021, 8, 035030.	4.4	29
23	Valley dynamics of excitons in monolayer dichalcogenides. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700131.	2.4	19
24	Interlayer Excitons in Transition~Metal Dichalcogenide Heterobilayers. Physica Status Solidi (B): Basic Research, 2019, 256, 1900308.	1.5	15
25	Interlayer exciton valley polarization dynamics in large magnetic fields. Physical Review B, 2022, 105, .	3.2	11
26	Nanoscale force sensing of an ultrafast nonlinear optical response. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19773-19779.	7.1	7
27	Excitonic linewidth and coherence lifetime in monolayer transition metal dichalcogenides. Proceedings of SPIE, 2017, , .	0.8	0
28	Rotation of polarized light emission from monolayer WS ₂ induced by high magnetic fields. , 2017, , .		0
29	Ultrafast Transition from Intra- to Interlayer Exciton Phases in a Van Der Waals Heterostructure. , 2019, , .		0
30	Internal structure and ultrafast dynamics of tailored excitons in van der Waals heterostructures. , 2019, , .		0