

Florian Katsch

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

471
citations

932766

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1125271

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13
docs citations

13
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Excitonic theory of doping-dependent optical response in atomically thin semiconductors. Physical Review B, 2022, 105, .	1.1	10
2	Doping-induced non-Markovian interference causes excitonic linewidth broadening in monolayer WSe_2 . Physical Review B, 2022, 105, .	1.1	4
3	Disentangling Many-Body Effects in the Coherent Optical Response of 2D Semiconductors. Nano Letters, 2022, 22, 5322-5329.	4.5	18
4	Excitons in Bilayer MoS_2 Displaying a Colossal Electric Field Splitting and Tunable Magnetic Response. Physical Review Letters, 2021, 126, 037401.	2.9	30
5	Theory of coherent pump-probe spectroscopy in monolayer transition metal dichalcogenides. 2D Materials, 2020, 7, 015021.	2.0	30
6	The ultrafast onset of exciton formation in 2D semiconductors. Nature Communications, 2020, 11, 5277.	5.8	57
7	Theory of the Coherent Response of Magneto-Excitons and Magneto-Biexcitons in Monolayer Transition Metal Dichalcogenides. Physical Review B, 2020, 102, .	1.1	8
8	Optical Preparation and Coherent Control of Ultrafast Nonlinear Quantum Superpositions in Exciton Gases: A Case Study for Atomically Thin Semiconductors. Physical Review X, 2020, 10, .	2.8	12
9	Exciton-Scattering-Induced Dephasing in Two-Dimensional Semiconductors. Physical Review Letters, 2020, 124, 257402.	2.9	55
10	Phonon-Assisted Photoluminescence from Indirect Excitons in Monolayers of Transition-Metal Dichalcogenides. Nano Letters, 2020, 20, 2849-2856.	4.5	106
11	Suppression of intervalley exchange coupling in the presence of momentum-dark states in transition metal dichalcogenides. Physical Review Research, 2020, 2, .	1.3	23
12	Ultrafast dynamics in monolayer transition metal dichalcogenides: Interplay of dark excitons, phonons, and intervalley exchange. Physical Review Research, 2019, 1, .	1.3	57
13	Theory of Exciton-Exciton Interactions in Monolayer Transition Metal Dichalcogenides. Physica Status Solidi (B): Basic Research, 2018, 255, 1800185.	0.7	61