

Tailoring excitonic states of van der Waals bilayers through alignment, and valley spin

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Shedding light on moiré excitons: A first-principles perspective. Science Advances, 2020, 6, .	4.7	50
2	Twist-angle dependence of moiré excitons in WS ₂ /MoSe ₂ heterobilayers. Nature Communications, 2020, 11, 5888.	5.8	87
3	Theory of moiré localized excitons in transition metal dichalcogenide heterobilayers. Physical Review B, 2020, 102, .	1.1	19
4	Quantitative Structure Analysis of a Near-Ideal Polymer Network with Deuterium Label by Small-Angle Neutron Scattering. Macromolecules, 2020, 53, 4047-4054.	2.2	8
5	Controlling interlayer excitons in MoS ₂ layers grown by chemical vapor deposition. Nature Communications, 2020, 11, 2391.	5.8	73
6	Resonant energy transfer between hexagonal boron nitride quantum emitters and atomically layered transition metal dichalcogenides. 2D Materials, 2020, 7, 045015.	2.0	6
7	Twist-tailoring Coulomb correlations in van der Waals homobilayers. Nature Communications, 2020, 11, 2167.	5.8	63
8	Dipolar interactions between localized interlayer excitons in van der Waals heterostructures. Nature Materials, 2020, 19, 624-629.	13.3	109
9	Tuning layer-hybridized moiré excitons by the quantum-confined Stark effect. Nature Nanotechnology, 2021, 16, 52-57.	15.6	60
10	Interlayer coupling effect in van der Waals heterostructures of transition metal dichalcogenides. Frontiers of Physics, 2021, 16, 1.	2.4	15
11	Electronic Properties of Monolayer and van der Waals Bilayer of Janus TiCl ₂ . Journal of Physical Chemistry Letters, 2021, 12, 2245-2251.	2.1	7
12	Superposition of intra- and inter-layer excitons in twistrionic MoSe ₂ /WSe ₂ bilayers probed by resonant Raman scattering. 2D Materials, 2021, 8, 035009.	2.0	25
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16	Synthesis and characterization of 2D transition metal dichalcogenides: Recent progress from a vacuum surface science perspective. Surface Science Reports, 2021, 76, 100523.	3.8	50
17	Interlayer excitonic states in $\text{MoSe}_2/\text{WSe}_2$ van der Waals heterostructures. Physical Review B, 2021, 103, .	1.1	5
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20	Formation mechanism and twist-angle dependent optical properties of bilayer MoS ₂ grown by chemical vapor deposition. CrystEngComm, 2021, 23, 2889-2896.	1.3	8
21	Twist Angle-Dependent Interlayer Exciton Lifetimes in van der Waals Heterostructures. Physical Review Letters, 2021, 126, 047401.	2.9	88
22	Moiré and beyond in transition metal dichalcogenide twisted bilayers. 2D Materials, 2021, 8, 022002.	2.0	33
23	Stacking angle dependent multiple excitonic resonances in bilayer tungsten diselenide. Nanophotonics, 2020, 9, 3881-3887.	2.9	3
24	Enhanced valleytronic properties in germanene by direct proximity to heavy metal layer. Journal of Physics Condensed Matter, 2020, 33, 095502.	0.7	0
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29	Optical absorption of interlayer excitons in transition-metal dichalcogenide heterostructures. Science, 2022, 376, 406-410.	6.0	42
30	Emerging exciton physics in transition metal dichalcogenide heterobilayers. Nature Reviews Materials, 2022, 7, 778-795.	23.3	75
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36	Physical properties of novel Tin-chalcogenides heterostructures: A first-principles study. Materials Science in Semiconductor Processing, 2022, 149, 106820.	1.9	1

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40	Recent progress in 2D van der Waals heterostructures: fabrication, properties, and applications. Science China Information Sciences, 2022, 65, .	2.7	16
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42	Enhancing the Photoinduced Interlayer Charge Transfer and Spatial Separation in Type-II Heterostructure of WS_2 and Asymmetric Janus-MoSSe with Intrinsic Self-Build Electric Field. Journal of Physical Chemistry Letters, 2022, 13, 8484-8494.	2.1	13
43	Capacitively and Inductively Coupled Excitons in Bilayer MoS_2 . Physical Review Letters, 2022, 129, .	2.9	2
44	Ambipolar Nonvolatile Memory Behavior and Reversible Type-II Conversion in $MoSe_2$ / $MoSe_2$ Transistors with Modified Stack Interface. Advanced Functional Materials, 0, , 2205567.	7.8	1
45	Efficient Hot Electron Capture in $CuPc/MoSe_2$ Heterostructure Assisted by Intersystem Crossing. Nano Letters, 2022, 22, 8463-8469.	4.5	3
46	Image charge effect in layered materials: Implications for the interlayer coupling in MoS_2 . Physical Review B, 2023, 107, .		
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