

Imaging of pure spin-valley diffusion current in WS₂ heterostructures

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ultrafast formation and dynamics of interlayer exciton in a large-area CVD-grown WS ₂ /WSe ₂ heterostructure. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 495701.	0.7	16
2	Ultrafast dynamics in van der Waals heterostructures. <i>Nature Nanotechnology</i> , 2018, 13, 994-1003.	15.6	392
3	Charge Accumulation Effect in Transition Metal Dichalcogenide Heterobilayers. <i>Small</i> , 2019, 15, e1902424.	5.2	30
4	Long valley lifetime of dark excitons in single-layer WSe ₂ . <i>Nature Communications</i> , 2019, 10, 4047.	5.8	53
5	Layer-dependent dielectric and optical properties of centimeter-scale 2D WSe ₂ : evolution from a single layer to few layers. <i>Nanoscale</i> , 2019, 11, 22762-22771.	2.8	55
6	Enhancing and controlling valley magnetic response in MoS ₂ /WS ₂ heterostructures by all-optical route. <i>Nature Communications</i> , 2019, 10, 4226.	5.8	38
7	Diffusion dynamics of valley excitons by transient grating spectroscopy in monolayer WSe ₂ . <i>Applied Physics Letters</i> , 2019, 115, .	1.5	21
8	A Facile and Effective Method for Patching Sulfur Vacancies of WS ₂ via Nitrogen Plasma Treatment. <i>Small</i> , 2019, 15, e1901791.	5.2	48
9	Effect of the Interfacial Energy Landscape on Photoinduced Charge Generation at the ZnPc/MoS ₂ Interface. <i>Journal of the American Chemical Society</i> , 2019, 141, 11328-11336.	6.6	60
10	Emerging photoluminescence from the dark-exciton phonon replica in monolayer WSe ₂ . <i>Nature Communications</i> , 2019, 10, 2469.	5.8	102
11	First-passage properties of mortal random walks: Ballistic behavior, effective reduction of dimensionality, and scaling functions for hierarchical graphs. <i>Physical Review E</i> , 2019, 99, 062110.	0.8	8
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13	A self-powered phosphorene photodetector with excellent spin-filtering and spin-valve effects. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7613-7617.	1.3	19
14	Ultrafast transition between exciton phases in van der Waals heterostructures. <i>Nature Materials</i> , 2019, 18, 691-696.	13.3	168
15	Superlubricity enabled dry transfer of non-encapsulated graphene. <i>Chinese Physics B</i> , 2019, 28, 028102.	0.7	2
16	Tunable Control of Interlayer Excitons in WS ₂ /MoS ₂ Heterostructures via Strong Coupling with Enhanced Mie Resonances. <i>Advanced Science</i> , 2019, 6, 1802092.	5.6	40
17	A dielectric-defined lateral heterojunction in a monolayer semiconductor. <i>Nature Electronics</i> , 2019, 2, 60-65.	13.1	95
18	Observation of moiré excitons in WSe ₂ /WS ₂ heterostructure superlattices. <i>Nature</i> , 2019, 567, 76-80.	13.7	791

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19	Signatures of moiré-trapped valley excitons in MoSe ₂ /WSe ₂ heterobilayers. <i>Nature</i> , 2019, 567, 66-70.	13.7	842
20	High performance room temperature p-type injection in few-layered tungsten diselenide films from cobalt and palladium contacts. <i>Materials Research Express</i> , 0, , .	0.8	2
21	Monolayer Epitaxial Heterostructures for Selective Visible-Light-Driven Photocatalytic NO Oxidation. <i>Advanced Functional Materials</i> , 2019, 29, 1808084.	7.8	76
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