

Ultrafast charge transfer in atomically thin MoS₂/WS₂ heterostructure

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Introduction to carbon-based nanostructures. , 0, , 1-10.		0
3	Electronic properties of carbon-based nanostructures. , 0, , 11-90.		0
4	Ultrafast Charge Separation and Indirect Exciton Formation in a MoS ₂ –MoSe ₂ van der Waals Heterostructure. ACS Nano, 2014, 8, 12717-12724.	7.3	585
5	Raman Modes of MoS ₂ Used as Fingerprint of van der Waals Interactions in 2-D Crystal-Based Heterostructures. ACS Nano, 2014, 8, 9914-9924.	7.3	201
6	Two-dimensional transition-metal dichalcogenide materials: Toward an age of atomic-scale photonics. MRS Bulletin, 2015, 40, 592-599.	1.7	61
7	Observation of interlayer phonon modes in van der Waals heterostructures. Physical Review B, 2015, 91, .	1.1	174
8	Ab initio simulation of single- and few-layer MoS ₂ transistors: Effect of electron-phonon scattering. Physical Review B, 2015, 92, .	1.1	85
9	Heterostructures of transition metal dichalcogenides. Physical Review B, 2015, 92, .	1.1	190
10	Tuning the electronic structure of monolayer graphene/MoS ₂ van der Waals heterostructures via interlayer twist. Physical Review B, 2015, 92, .	1.1	56
11	Anomalous Light Cones and Valley Optical Selection Rules of Interlayer Excitons in Twisted Heterobilayers. Physical Review Letters, 2015, 115, 187002.	2.9	194
12	Theory of two-dimensional spatially indirect equilibrium exciton condensates. Physical Review B, 2015, 92, .	1.1	84
13	Yb- and Er-doped fiber laser Q-switched with an optically uniform, broadband WS ₂ saturable absorber. Scientific Reports, 2015, 5, 17482.	1.6	184
14	Phase engineering of monolayer transition-metal dichalcogenide through coupled electron doping and lattice deformation. Applied Physics Letters, 2015, 107, .	1.5	33
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18	Interlayer coupling effects on Schottky barrier in the arsenene-graphene van der Waals heterostructures. Applied Physics Letters, 2015, 107, .	1.5	128
19	Lateral Built-in Potential of Monolayer MoS ₂ –WS ₂ In-Plane Heterostructures by a Shortcut Growth Strategy. Advanced Materials, 2015, 27, 6431-6437.	11.1	191

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21	Charge Photogeneration in Few-Layer MoS ₂ . <i>Advanced Functional Materials</i> , 2015, 25, 3351-3358.	7.8	76
23	Two-Dimensional Layered Heterostructures Synthesized from Core-Shell Nanowires. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8957-8960.	7.2	78
24	Tunable Polarity Behavior and Self-Driven Photoswitching in WSe ₂ /WS ₂ Heterojunctions. <i>Small</i> , 2015, 11, 5430-5438.	5.2	114
26	Fabrication of Two-Dimensional Lateral Heterostructures of WS ₂ /WO ₃ ·xH ₂ O Through Selective Oxidation of Monolayer WS ₂ . <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15226-15230.	7.2	109
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30	Exciton Mapping at Subwavelength Scales in Two-Dimensional Materials. <i>Physical Review Letters</i> , 2015, 114, 107601.	2.9	79
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