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Strong photoluminescence enhancement of MoS₂ through defect engineering and oxygen bonding

DOI: 10.1021/nn500532f
ACS Nano, 2014, 8, 5738-45.

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Version: 2024-04-27

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#	Paper	IF	Citations
882	Local Enhancement of Exciton Emission of Monolayer MoS ₂ by Copper Phthalocyanine Nanoparticles.		
881	Impact of Interfacial Defects on the Properties of Monolayer Transition Metal Dichalcogenide Lateral Heterojunctions.		
880	Interfacial Strength and Surface Damage Characteristics of Atomically Thin hBN, MoS ₂ , and Graphene.		
879	Charge Separation in Epitaxial SnS/MoS ₂ Vertical Heterojunctions Grown by Low-Temperature Pulsed MOCVD.		
878	Modulating Optoelectronic Properties of Two-Dimensional Transition Metal Dichalcogenide Semiconductors by Photoinduced Charge Transfer.		
877	MoS ₂ Memtransistors Fabricated by Localized Helium Ion Beam Irradiation.		
876	Ultrafast Electron Cooling and Decay in Monolayer WS ₂ Revealed by Time- and Energy-Resolved Photoemission Electron Microscopy.		
875	Ultraviolet Wavelength-Dependent Optoelectronic Properties in Two-Dimensional NbSe ₂ WSe ₂ van der Waals Heterojunction-Based Field-Effect Transistors.		
874	Engineering the PalladiumWSe ₂ Interface Chemistry for Field Effect Transistors with High-Performance Hole Contacts.		
873	Defect-free ZnO nanorods for low temperature hydrogen sensor applications. <i>Applied Physics Letters</i> , 2014 , 105, 213103	3.4	30
872	Light matter interaction in WS ₂ nanotube-graphene hybrid devices. <i>Applied Physics Letters</i> , 2014 , 105, 223502	3.4	11
871	Photoluminescence Quenching in Single-Layer MoS ₂ via Oxygen Plasma Treatment. 2014 , 118, 21258-21263		197
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