

# CITATION REPORT

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Strain relaxation via formation of cracks in compositionally modulated two-dimensional semiconductor alloys

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Npj 2D Materials and Applications, 2018, 2, .

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#	Paper	IF	Citations
19	Defect-Mediated Alloying of Monolayer Transition-Metal Dichalcogenides. <i>ACS Nano</i> , <b>2018</b> , 12, 12795-12804	16.7	20
18	Lateral and Vertical MoSe-MoS Heterostructures via Epitaxial Growth: Triggered by High-Temperature Annealing and Precursor Concentration. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 5027-5035	6.4	9
17	Quantum floquet oscillation in borophane. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	1
16	Synthetic Engineering of Morphology and Electronic Band Gap in Lateral Heterostructures of Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , <b>2020</b> , 14, 6323-6330	16.7	14
15	High-Fidelity Transfer of Chemical Vapor Deposition Grown 2D Transition Metal Dichalcogenides via Substrate Decoupling and Polymer/Small Molecule Composite. <i>ACS Nano</i> , <b>2020</b> , 14, 7370-7379	16.7	12
14	Photocurrent-Induced Active Control of Second-Order Optical Nonlinearity in Monolayer MoS <sub>2</sub> . <i>Small</i> , <b>2020</b> , 16, e1906347	11	16
13	Tunable Current Transport in PdSe <sub>2</sub> via Layer-by-Layer Thickness Modulation by Mild Plasma. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000008	6.4	8
12	Controllable Thin-Film Approaches for Doping and Alloying Transition Metal Dichalcogenides Monolayers. <i>Advanced Science</i> , <b>2021</b> , 8, 2004249	13.6	15
11	Observation of Strong Valley Magnetic Response in Monolayer Transition Metal Dichalcogenide Alloys of MoWSe and MoWSe/WS Heterostructures. <i>ACS Nano</i> , <b>2021</b> , 15, 8397-8406	16.7	2
10	Doping-modulated strain control of bifunctional electrocatalysis for rechargeable zinc-air batteries. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 5035-5043	35.4	3
9	Defect-related dynamics of photoexcited carriers in 2D transition metal dichalcogenides. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 8222-8235	3.6	5
8	Electronic structure and dynamic properties of two-dimensional W <sub>1</sub> Mo <sub>1</sub> Se <sub>2</sub> ternary alloys from first-principles calculations. <i>Computational Materials Science</i> , <b>2020</b> , 182, 109797	3.2	6
7	Alloy engineered germanium monochalcogenide with tunable bandgap for broadband optoelectrical applications. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	0
6	Lateral and vertical heterostructures in two-dimensional transition-metal dichalcogenides [Invited]. <i>Optical Materials Express</i> , <b>2019</b> , 9, 1590	2.6	21
5	Anomalous Light-Induced Charging in MoS <sub>2</sub> Monolayers with Cracks. <i>ACS Applied Electronic Materials</i> ,	4	0
4	Realization of electronic-grade two-dimensional transition metal dichalcogenides by thin-film deposition techniques. <b>2022</b> , 159-193		
3	Strain-Modulated Magnetism in MoS <sub>2</sub> . <i>Nanomaterials</i> , <b>2022</b> , 12, 1929	5.4	0

- 2 Correlated Intrinsic Electrical and Chemical Properties of Epitaxial WS<sub>2</sub> via Combined C-AFM and ToF-SIMS Characterization. 2202016 ○
- 1 Controlling and visualizing fracture of 2D crystals by wrinkling. **2023**, 174, 105253 ○