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Synthesis and transfer of single-layer transition metal disulfides on diverse surfaces

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#	Paper	IF	Citations
588	Employing a Bifunctional Molybdate Precursor To Grow the Highly Crystalline MoS ₂ for High-Performance Field-Effect Transistors.		
587	Generalized Mechanistic Model for the Chemical Vapor Deposition of 2D Transition Metal Dichalcogenide Monolayers.		
586	High-Current Gain Two-Dimensional MoS ₂ Base Hot-Electron Transistors.		
585	Growth of Large-Area Homogeneous Monolayer Transition-Metal Disulfides via a Molten Liquid Intermediate Process.		
584	Understanding Variations in Circularly Polarized Photoluminescence in Monolayer Transition Metal Dichalcogenides.		
583	Electronic structures and optical properties of realistic transition metal dichalcogenide heterostructures from first principles. <i>Physical Review B</i> , 2013 , 88,	3.3	342
582	Layer-controlled, wafer-scale, and conformal synthesis of tungsten disulfide nanosheets using atomic layer deposition. <i>ACS Nano</i> , 2013 , 7, 11333-40	16.7	272
581	Nonblinking, intense two-dimensional light emitter: monolayer WS ₂ triangles. <i>ACS Nano</i> , 2013 , 7, 10985-94	16.7	242
580	Lithium incorporation at the MoS ₂ /graphene interface: an ab initio investigation. 2013 , 25, 445301		28
579	Controlled growth of high-quality monolayer WS ₂ layers on sapphire and imaging its grain boundary. <i>ACS Nano</i> , 2013 , 7, 8963-71	16.7	586
578	Statistical study of deep submicron dual-gated field-effect transistors on monolayer chemical vapor deposition molybdenum disulfide films. <i>Nano Letters</i> , 2013 , 13, 2640-6	11.5	168
577	Thermal Evaporation Deposition of Few-layer MoS ₂ Films. 2013 , 5, 135-139		37
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575	Optical properties of monolayer transition metal dichalcogenides probed by spectroscopic ellipsometry. 2014 , 105, 201905		250
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568	Ultrafast transient terahertz conductivity of monolayer MoS ₂ and WSe ₂ grown by chemical vapor deposition. <i>ACS Nano</i> , 2014 , 8, 11147-53	16.7	161
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562	Second harmonic generation from artificially stacked transition metal dichalcogenide twisted bilayers. <i>ACS Nano</i> , 2014 , 8, 2951-8	16.7	294
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