

CVD-grown monolayered MoS₂ as an effective
low-voltage

2D Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	High-performance photocurrent generation from two-dimensional WS ₂ field-effect transistors. Applied Physics Letters, 2014, 104, .	1.5	88
2	Photoresponse properties of large-area MoS ₂ atomic layer synthesized by vapor phase deposition. Journal of Applied Physics, 2014, 116, .	1.1	42
3	Facile synthesis of MoS ₂ and Mo _x W _{1-x} S ₂ triangular monolayers. APL Materials, 2014, 2, .	2.2	93
4	Growth of centimeter-scale atomically thin MoS ₂ films by pulsed laser deposition. APL Materials, 2015, 3, 056103.	2.2	115
5	Synthesis and Enhanced Electrochemical Catalytic Performance of Monolayer WS ₂ /Se ₂ with a Tunable Band Gap. Advanced Materials, 2015, 27, 4732-4738.	11.1	214
6	Enhanced Visibility of MoS ₂ , MoSe ₂ , WSe ₂ and Black-Phosphorus: Making Optical Identification of 2D Semiconductors Easier. Electronics (Switzerland), 2015, 4, 847-856.	1.8	44
7	Prospect of large scale 2D transition metal dichalcogenides nanophotonics for optical communications. , 2015, , .		0
8	Building graphene p-n junctions for next-generation photodetection. Nano Today, 2015, 10, 701-716.	6.2	45
9	Layer-Dependent Modulation of Tungsten Disulfide Photoluminescence by Lateral Electric Fields. ACS Nano, 2015, 9, 2740-2748.	7.3	50
10	Photoelectrochemical-type sunlight photodetector based on MoS ₂ /graphene heterostructure. 2D Materials, 2015, 2, 035011.	2.0	158
11	Photocurrent generation with two-dimensional van der Waals semiconductors. Chemical Society Reviews, 2015, 44, 3691-3718.	18.7	802
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16	Highly Sensitive, Encapsulated MoS ₂ Photodetector with Gate Controllable Gain and Speed. Nano Letters, 2015, 15, 7307-7313.	4.5	515
17	Tellurium-Assisted Low-Temperature Synthesis of MoS ₂ and WS ₂ Monolayers. ACS Nano, 2015, 9, 11658-11666.	7.3	123
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20	Black Phosphorus: Narrow Gap, Wide Applications. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4280-4291.	2.1	631
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41	Sequential Solvent Exchange Method for Controlled Exfoliation of MoS ₂ Suitable for Phototransistor Fabrication. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31179-31191.	4.0	51
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