

Epitaxial growth of wafer-scale molybdenum disulfide on sapphire

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Three-dimensional monolithic micro-LED display driven by atomically thin transistor matrix. <i>Nature Nanotechnology</i> , 2021, 16, 1231-1236.	15.6	120
2	Interlayer Excitons in Transition Metal Dichalcogenide Semiconductors for 2D Optoelectronics. <i>Advanced Materials</i> , 2022, 34, e2107138.	11.1	28
3	Wafer-scale functional circuits based on two dimensional semiconductors with fabrication optimized by machine learning. <i>Nature Communications</i> , 2021, 12, 5953.	5.8	42
4	An artificial neural network chip based on two-dimensional semiconductor. <i>Science Bulletin</i> , 2022, 67, 270-277.	4.3	20
5	Salt-assisted chemical vapor deposition of two-dimensional transition metal dichalcogenides. <i>IScience</i> , 2021, 24, 103229.	1.9	24
6	The Road for 2D Semiconductors in the Silicon Age. <i>Advanced Materials</i> , 2022, 34, e2106886.	11.1	57
7	Enhancement of Photoresponse on Narrow-Bandgap Mott Insulator RuCl_3 via Intercalation. <i>ACS Nano</i> , 2021, 15, 18113-18124.	7.3	10
8	Two-dimensional transition metal dichalcogenides and their heterostructures: Role of process parameters in top-down and bottom-up synthesis approaches. <i>Materials Science in Semiconductor Processing</i> , 2022, 139, 106313.	1.9	24
9	Growth of 2D Materials at the Wafer Scale. <i>Advanced Materials</i> , 2022, 34, e2108258.	11.1	43
10	Wafer-scale single-orientation 2D layers by atomic edge-guided epitaxial growth. <i>Chemical Society Reviews</i> , 2022, 51, 803-811.	18.7	18
11	Direct Detection of Inhomogeneity in CVD-Grown 2D TMD Materials via K-Means Clustering Raman Analysis. <i>Nanomaterials</i> , 2022, 12, 414.	1.9	4
12	Epitaxy of 2D Materials toward Single Crystals. <i>Advanced Science</i> , 2022, 9, e2105201.	5.6	24
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14	Atomic-scale manufacture of metre-sized two-dimensional single crystals by interfacial modulation. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022, 71, 108103.	0.2	1
15	2D Heterostructures for Ubiquitous Electronics and Optoelectronics: Principles, Opportunities, and Challenges. <i>Chemical Reviews</i> , 2022, 122, 6514-6613.	23.0	187
16	Epitaxial growth of highly-aligned MoS_2 on c-plane sapphire. <i>Surface Science</i> , 2022, 720, 122046.	0.8	7
17	Mechanical Behavior of Blisters Spontaneously Formed by Multilayer 2D Materials. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	12
18	Cotrollable growth of monolayer MoS_2 films and the application in devices. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022, .	0.2	0

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20	Scalable Moiré Lattice with Oriented TMD Monolayers. <i>Nanoscale Research Letters</i> , 2022, 17, 34.	3.1	2
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28	Monolayer WS ₂ Lateral Homosuperlattices with Two-dimensional Periodic Localized Photoluminescence. <i>ACS Nano</i> , 2022, 16, 597-603.	7.3	7
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