

CITATION REPORT

List of articles citing

Multiscale framework for simulation-guided growth of 2D materials

DOI: 10.1038/s41699-018-0072-4

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

Source: <https://exaly.com/paper-pdf/70863516/citation-report.pdf>

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
33	Probing the Field-Effect Transistor with Monolayer MoS Prepared by APCVD. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
32	Sulfur-Mastery: Precise Synthesis of 2D Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2019 , 29, 1809261	15.6	21
31	Probing the Growth Improvement of Large-Size High Quality Monolayer MoS by APCVD. <i>Nanomaterials</i> , 2019 , 9,	5.4	6
30	A roadmap for electronic grade 2D materials. <i>2D Materials</i> , 2019 , 6, 022001	5.9	133
29	Environment-dependent edge reconstruction of transition metal dichalcogenides: a global search. <i>Materials Today Advances</i> , 2020 , 8, 100079	7.4	9
28	Phase-field modelling of 2D island growth morphology in chemical vapor deposition. <i>European Physical Journal E</i> , 2020 , 43, 57	1.5	1
27	Modeling for Structural Engineering and Synthesis of Two-Dimensional WSe ₂ Using a Newly Developed ReaxFF Reactive Force Field. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 28285-28297	3.8	10
26	Fluid-Guided CVD Growth for Large-Scale Monolayer Two-Dimensional Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26342-26349	9.5	7
25	Modulating flow near substrate surface to grow clean and large-area monolayer MoS. <i>Nanotechnology</i> , 2020 , 31, 415706	3.4	3
24	Promoting Crystal Distribution Uniformity Based on the CVD Method with the Aid of Finite Element Methods. <i>Crystal Growth and Design</i> , 2020 , 20, 777-782	3.5	0
23	Seedless growth of two-dimensional disc-shaped WS ₂ layers by chemical vapor deposition. <i>Materials Chemistry and Physics</i> , 2021 , 257, 123837	4.4	2
22	Oxidation and Degradation of WS Monolayers Grown by NaCl-Assisted Chemical Vapor Deposition: Mechanism and Prevention. <i>Nanoscale</i> , 2021 , 13, 16629-16640	7.7	2
21	A multiscale insight into the growth of h-BN: effect of the enclosure. <i>2D Materials</i> , 2021 , 8, 035033	5.9	3
20	Minimizing the Water Effect in Synthesis of High-Quality Monolayer MoS ₂ Nanosheets: Implications for Electronic and Optoelectronic Devices. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8094-8100	5.6	1
19	Interfaces determine the nucleation and growth of large NbS ₂ single crystals. <i>CrystEngComm</i> , 2021 , 23, 1312-1320	3.3	0
18	Synthesis of emerging 2D layered magnetic materials. <i>Nanoscale</i> , 2021 , 13, 2157-2180	7.7	7
17	Shear-induced diamondization of multilayer graphene structures: A computational study. <i>Carbon</i> , 2020 , 167, 140-147	10.4	10

16	Computational synthesis of 2D materials grown by chemical vapor deposition. <i>Journal of Materials Research</i> , 1	2.5	1
15	Caveats in obtaining high-quality 2D materials and property characterization. <i>Journal of Materials Research</i> , 2020 , 35, 855-863	2.5	2
14	Alloy-buffer-controlled van der Waals epitaxial growth of aligned tellurene. <i>Nano Research</i> , 1	10	0
13	Ambient Pressure Chemical Vapor Deposition of Flat and Vertically Aligned MoS Nanosheets.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
12	Effect of the Substrate on MoS Monolayer Morphology: An Integrated Computational and Experimental Study.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
11	Mechanisms of the epitaxial growth of two-dimensional polycrystals. <i>Npj Computational Materials</i> , 2022 , 8,	10.9	0
10	Mediator-assisted synthesis of WS ₂ with ultrahigh-optoelectronic performance at multi-wafer scale. 2022 , 6,		1
9	Elasticity versus phase field driven motion in the phase field crystal model. 2022 , 30, 064005		
8	Phase-Field Modeling of Chemical Vapor-Deposited 2D MoSe ₂ Domains with Varying Morphology for Electronic Devices and Catalytic Applications.		1
7	Role of tilt grain boundaries on the structural integrity of WSe ₂ monolayers.		1
6	Large Area Growth and Phase Selectivity of MoTe ₂ Nanosheets through Simulation-Guided CVD Tellurization. 2200971		0
5	A computational framework for guiding the MOCVD-growth of wafer-scale 2D materials. 2022 , 8,		1
4	Extreme Bendability of Atomically Thin MoS ₂ Grown by Chemical Vapor Deposition Assisted by Perylene-Based Promoter. 2022 , 12, 4050		1
3	Strategic review on chemical vapor deposition technology-derived 2D material nanostructures for room-temperature gas sensors.		0
2	Synthesis of Large-Area GeS Thin Films with the Assistance of Pre-deposited Amorphous Nanostructured GeS Films: Implications for Electronic and Optoelectronic Applications.		0
1	Quantum chemical calculation and growth process of Ga ₂ O ₃ grown via TEGa under different oxygen sources in MOCVD. 2023 , 25, 2925-2938		0