

Jiadong Dan

List of Publications by Year in descending order

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18
papers

1,308
citations

623734

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888059

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docs citations

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times ranked

2425
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemically Exfoliated VSe ₂ Monolayers with Room-Temperature Ferromagnetism. <i>Advanced Materials</i> , 2019, 31, e1903779.	21.0	251
2	Engineering covalently bonded 2D layered materials by self-intercalation. <i>Nature</i> , 2020, 581, 171-177.	27.8	185
3	Molecular-Beam Epitaxy of Two-Dimensional In ₂ Se ₃ and Its Giant Electroresistance Switching in Ferroresistive Memory Junction. <i>Nano Letters</i> , 2018, 18, 6340-6346.	9.1	163
4	Ultrathin nickel boron oxide nanosheets assembled vertically on graphene: a new hybrid 2D material for enhanced photo/electro-catalysis. <i>Materials Horizons</i> , 2017, 4, 885-894.	12.2	108
5	Mo-Terminated Edge Reconstructions in Nanoporous Molybdenum Disulfide Film. <i>Nano Letters</i> , 2018, 18, 482-490.	9.1	105
6	Growth of Nb-Doped Monolayer WS ₂ by Liquid-Phase Precursor Mixing. <i>ACS Nano</i> , 2019, 13, 10768-10775.	14.6	102
7	Atom-by-Atom Fabrication of Monolayer Molybdenum Membranes. <i>Advanced Materials</i> , 2018, 30, e1707281.	21.0	66
8	Edge Segregated Polymorphism in 2D Molybdenum Carbide. <i>Advanced Materials</i> , 2019, 31, e1808343.	21.0	56
9	Strain Modulation by van der Waals Coupling in Bilayer Transition Metal Dichalcogenide. <i>ACS Nano</i> , 2018, 12, 1940-1948.	14.6	51
10	Phase-Controlled Synthesis of Monolayer Ternary Telluride with a Random Local Displacement of Tellurium Atoms. <i>Advanced Materials</i> , 2019, 31, e1900862.	21.0	51
11	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. <i>Nano Letters</i> , 2019, 19, 5595-5603.	9.1	41
12	Healing of Planar Defects in 2D Materials via Grain Boundary Sliding. <i>Advanced Materials</i> , 2019, 31, e1900237.	21.0	38
13	A machine perspective of atomic defects in scanning transmission electron microscopy. <i>Informa-Materially</i> , 2019, 1, 359-375.	17.3	37
14	Effects of precursor pre-treatment on the vapor deposition of WS ₂ monolayers. <i>Nanoscale Advances</i> , 2019, 1, 953-960.	4.6	17
15	Unveiling Atomic-Scale Moiré Features and Atomic Reconstructions in High-Angle Commensurately Twisted Transition Metal Dichalcogenide Homobilayers. <i>Nano Letters</i> , 2021, 21, 3262-3270.	9.1	15
16	Strong Moiré Excitons in High-Angle Twisted Transition Metal Dichalcogenide Homobilayers with Robust Commensuration. <i>Nano Letters</i> , 2022, 22, 203-210.	9.1	12
17	Learning motifs and their hierarchies in atomic resolution microscopy. <i>Science Advances</i> , 2022, 8, eabk1005.	10.3	10
18	Engineering and Modifying Two-Dimensional Materials via Electron Beams. <i>Microscopy and Microanalysis</i> , 2019, 25, 1474-1475.	0.4	0