

Hyun Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8083529/publications.pdf>

Version: 2024-02-01

18
papers

874
citations

840776

11
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

2138
citing authors

#	ARTICLE	IF	CITATIONS
1	Bandgap Renormalization in Monolayer MoS ₂ on CsPbBr ₃ Quantum Dots via Charge Transfer at Room Temperature. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000835.	3.7	8
2	Impact of Heat Treatment on a Hetero-Stacked MoS ₂ /h-BN Field-Effect Transistor. <i>IEEE Electron Device Letters</i> , 2019, 40, 1626-1629.	3.9	1
3	Fabrication of Stacked MoS ₂ Bilayer with Weak Interlayer Coupling by Reduced Graphene Oxide Spacer. <i>Scientific Reports</i> , 2019, 9, 5900.	3.3	6
4	Local Enhancement of Exciton Emission of Monolayer MoS ₂ by Copper Phthalocyanine Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6794-6800.	3.1	19
5	Augmented Quantum Yield of a 2D Monolayer Photodetector by Surface Plasmon Coupling. <i>Nano Letters</i> , 2018, 18, 2316-2323.	9.1	82
6	Gas adsorbates are Coulomb scatterers, rather than neutral ones, in a monolayer MoS ₂ field effect transistor. <i>Nanoscale</i> , 2018, 10, 10856-10862.	5.6	7
7	Electrothermal Local Annealing via Graphite Joule Heating on Two-Dimensional Layered Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25638-25643.	8.0	3
8	Atomic Observation of Filling Vacancies in Monolayer Transition Metal Sulfides by Chemically Sourced Sulfur Atoms. <i>Nano Letters</i> , 2018, 18, 4523-4530.	9.1	83
9	Thickness-dependent in-plane thermal conductivity of suspended MoS ₂ grown by chemical vapor deposition. <i>Nanoscale</i> , 2017, 9, 2541-2547.	5.6	86
10	Photocurrent Switching of Monolayer MoS ₂ Using a Metal-Insulator Transition. <i>Nano Letters</i> , 2017, 17, 673-678.	9.1	31
11	Role of alkali metal promoter in enhancing lateral growth of monolayer transition metal dichalcogenides. <i>Nanotechnology</i> , 2017, 28, 36LT01.	2.6	56
12	Memristors: A High On/Off Ratio Floating-Gate Memristor Array on a Flexible Substrate via CVD-Grown Large-Area 2D Layer Stacking (<i>Adv. Mater.</i> 44/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	1
13	Modulation of Optical and Electrical Characteristics by Laterally Stretching DNAs on CVD-Grown Monolayers of MoS ₂ . <i>Journal of Nanomaterials</i> , 2017, 2017, 1-6.	2.7	7
14	Large Work Function Modulation of Monolayer MoS ₂ by Ambient Gases. <i>ACS Nano</i> , 2016, 10, 6100-6107.	14.6	188
15	Photochemical Reaction in Monolayer MoS ₂ via Correlated Photoluminescence, Raman Spectroscopy, and Atomic Force Microscopy. <i>ACS Nano</i> , 2016, 10, 5230-5236.	14.6	101
16	Electron Excess Doping and Effective Schottky Barrier Reduction on the MoS ₂ /h-BN Heterostructure. <i>Nano Letters</i> , 2016, 16, 6383-6389.	9.1	78
17	Oxidation Effect in Octahedral Hafnium Disulfide Thin Film. <i>ACS Nano</i> , 2016, 10, 1309-1316.	14.6	97
18	Seed Growth of Tungsten Diselenide Nanotubes from Tungsten Oxides. <i>Small</i> , 2015, 11, 2192-2199.	10.0	20