

Hye Yun Jeong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11509003/publications.pdf>

Version: 2024-02-01

17
papers

1,248
citations

623188

14
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

2798
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Work Function Modulation of Monolayer MoS ₂ by Ambient Gases. ACS Nano, 2016, 10, 6100-6107.	7.3	188
2	Misorientation-angle-dependent electrical transport across molybdenum disulfide grain boundaries. Nature Communications, 2016, 7, 10426.	5.8	172
3	Heterogeneous Defect Domains in Single-Crystalline Hexagonal WS ₂ . Advanced Materials, 2017, 29, 1605043.	11.1	135
4	Observing Grain Boundaries in CVD-Grown Monolayer Transition Metal Dichalcogenides. ACS Nano, 2014, 8, 11401-11408.	7.3	113
5	SiC formation on carbon nanotube surface for improving wettability with aluminum. Composites Science and Technology, 2013, 74, 6-13.	3.8	100
6	Oxidation Effect in Octahedral Hafnium Disulfide Thin Film. ACS Nano, 2016, 10, 1309-1316.	7.3	97
7	Thickness-dependent in-plane thermal conductivity of suspended MoS ₂ grown by chemical vapor deposition. Nanoscale, 2017, 9, 2541-2547.	2.8	86
8	Dual-Gated MoS ₂ Memtransistor Crossbar Array. Advanced Functional Materials, 2020, 30, 2003683.	7.8	73
9	Visualizing Point Defects in Transition-Metal Dichalcogenides Using Optical Microscopy. ACS Nano, 2016, 10, 770-777.	7.3	58
10	Junction-Structure-Dependent Schottky Barrier Inhomogeneity and Device Ideality of Monolayer MoS ₂ Field-Effect Transistors. ACS Applied Materials & Interfaces, 2017, 9, 11240-11246.	4.0	57
11	Role of alkali metal promoter in enhancing lateral growth of monolayer transition metal dichalcogenides. Nanotechnology, 2017, 28, 36LT01.	1.3	56
12	Nondestructive Characterization of Graphene Defects. Advanced Functional Materials, 2013, 23, 5183-5189.	7.8	44
13	High Performance Graphene-Oxide-Metal Diode through Bias-Induced Barrier Height Modulation. Advanced Electronic Materials, 2016, 2, 1600223.	2.6	25
14	Intragranular Dispersion of Carbon Nanotubes Comprehensively Improves Aluminum Alloys. Advanced Science, 2018, 5, 1800115.	5.6	20
15	Coulomb drag transistor using a graphene and MoS ₂ heterostructure. Communications Physics, 2020, 3, .	2.0	11
16	Low-temperature solid-state dissolution of carbon atoms into aluminum nanoparticles. Scripta Materialia, 2012, 66, 21-24.	2.6	10
17	Artificial Neural Networks: Dual-Gated MoS ₂ Memtransistor Crossbar Array (Adv. Funct.) Tj ETQq1 1,0784314,rgBT /O	7.8	3