

Janghyun Jo

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

502
citations

623734

14
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1088
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical monolithic integration of wide- and narrow-bandgap semiconductor nanostructures on graphene films. NPG Asia Materials, 2021, 13, .	7.9	10
2	Effects of the Heterointerface on the Growth Characteristics of a Brownmillerite SrFeO _{2.5} Thin Film Grown on SrRuO ₃ and SrTiO ₃ Perovskites. Scientific Reports, 2020, 10, 3807.	3.3	13
3	Bi ₂ Se ₃ thin films heteroepitaxially grown on Physical Review Materials, 2020, 1, 011101.	2.4	2
4	Resistive Switching: Unraveling the Origin and Mechanism of Nanofilament Formation in Polycrystalline SrTiO ₃ Resistive Switching Memories (Adv. Mater. 28/2019). Advanced Materials, 2019, 31, 1970205.	21.0	2
5	Free-standing and ultrathin inorganic light-emitting diode array. NPG Asia Materials, 2019, 11, .	7.9	12
6	Confining vertical conducting filament for reliable resistive switching by using a Au-probe tip as the top electrode for epitaxial brownmillerite oxide memristive device. Scientific Reports, 2019, 9, 1188.	3.3	23
7	Thermally Stable Amorphous Oxide-based Schottky Diodes through Oxygen Vacancy Control at Metal/Oxide Interfaces. Scientific Reports, 2019, 9, 7872.	3.3	8
8	Unraveling the Origin and Mechanism of Nanofilament Formation in Polycrystalline SrTiO ₃ Resistive Switching Memories. Advanced Materials, 2019, 31, e1901322.	21.0	38
9	Real-Time Characterization Using in situ RHEED Transmission Mode and TEM for Investigation of the Growth Behaviour of Nanomaterials. Scientific Reports, 2018, 8, 1694.	3.3	29
10	Selective-area heteroepitaxial growth of h-BN micropatterns on graphene layers. 2D Materials, 2018, 5, 015021.	4.4	5
11	Frontispiece: Tris(2-benzimidazolylmethyl)amine-Directed Synthesis of Single-Atom Nickel Catalysts for Electrochemical CO Production from CO ₂ . Chemistry - A European Journal, 2018, 24, .	3.3	0
12	Tris(2-benzimidazolylmethyl)amine-Directed Synthesis of Single-Atom Nickel Catalysts for Electrochemical CO Production from CO ₂ . Chemistry - A European Journal, 2018, 24, 18444-18454.	3.3	50
13	Cu Diffusion-Driven Dynamic Modulation of the Electrical Properties of Amorphous Oxide Semiconductors. Advanced Functional Materials, 2017, 27, 1700336.	14.9	8
14	Transferable single-crystal GaN thin films grown on chemical vapor-deposited hexagonal BN sheets. NPG Asia Materials, 2017, 9, e410-e410.	7.9	32
15	Brownmillerite thin films as fast ion conductors for ultimate-performance resistance switching memory. Nanoscale, 2017, 9, 10502-10510.	5.6	37
16	Centimeter-sized epitaxial h-BN films. NPG Asia Materials, 2016, 8, e330-e330.	7.9	26
17	Molecular beam epitaxial growth and electronic transport properties of high quality topological insulator Bi ₂ Se ₃ thin films on hexagonal boron nitride. 2D Materials, 2016, 3, 035029.	4.4	24
18	Microtube Light-Emitting Diode Arrays with Metal Cores. ACS Nano, 2016, 10, 3114-3120.	14.6	16

#	ARTICLE	IF	CITATIONS
19	Epitaxial Brownmillerite Oxide Thin Films for Reliable Switching Memory. ACS Applied Materials & Interfaces, 2016, 8, 7902-7911.	8.0	72
20	B21-P-05 Characterization of In _x Ga _{1-x} As/InAs Coaxial Nanorod Grown on Graphene Layers by Catalyst-Free Molecular Beam Epitaxy. Microscopy (Oxford, England), 2015, 64, i99.2-i99.	1.5	0
21	Growth and optical characteristics of high-quality ZnO thin films on graphene layers. APL Materials, 2015, 3, .	5.1	20
22	Catalyst-free growth of InAs/In _x Ga _{1-x} As coaxial nanorod heterostructures on graphene layers using molecular beam epitaxy. NPG Asia Materials, 2015, 7, e206-e206.	7.9	14
23	Variable-Color Light-Emitting Diodes Using GaN Microdonut arrays. Advanced Materials, 2014, 26, 3019-3023.	21.0	41
24	High-Resolution Observation of Nucleation and Growth Behavior of Nanomaterials Using a Graphene Template. Advanced Materials, 2014, 26, 2011-2015.	21.0	20