Janghyun Jo

List of Publications by Year
in descending order

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	Epitaxial Brownmillerite Oxide Thin Films for Reliable Switching Memory. ACS Applied Materials & Interfaces, 2016, 8, 7902-7911.	8.0	72
2	Tris(2â€benzimidazolylmethyl)amineâ€Directed Synthesis of Singleâ€Atom Nickel Catalysts for Electrochemical CO Production from CO₂. Chemistry - A European Journal, 2018, 24, 18444-18454.	3.3	50
3	Variableâ€Color Lightâ€Emitting Diodes Using GaN Microdonut arrays. Advanced Materials, 2014, 26, 3019-3023.	21.0	41
4	Unraveling the Origin and Mechanism of Nanofilament Formation in Polycrystalline SrTiO₃ Resistive Switching Memories. Advanced Materials, 2019, 31, e1901322.	21.0	38
5	Brownmillerite thin films as fast ion conductors for ultimate-performance resistance switching memory. Nanoscale, 2017, 9, 10502-10510.	5.6	37
6	Transferable single-crystal GaN thin films grown on chemical vapor-deposited hexagonal BN sheets. NPG Asia Materials, 2017, 9, e410-e410.	7.9	32
7	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
8	Centimeter-sized epitaxial h-BN films. NPG Asia Materials, 2016, 8, e330-e330.	7.9	26
9	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
10	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
11	Highâ€Resolution Observation of Nucleation and Growth Behavior of Nanomaterials Using a Graphene Template. Advanced Materials, 2014, 26, 2011-2015.	21.0	20
12	Growth and optical characteristics of high-quality ZnO thin films on graphene layers. APL Materials, 2015, 3, .	5.1	20
13	Microtube Light-Emitting Diode Arrays with Metal Cores. ACS Nano, 2016, 10, 3114-3120.	14.6	16
14	Catalyst-free growth of InAs/InxGa1â^'xAs coaxial nanorod heterostructures on graphene layers using molecular beam epitaxy. NPG Asia Materials, 2015, 7, e206-e206.	7.9	14
15	Effects of the Heterointerface on the Growth Characteristics of a Brownmillerite SrFeO2.5 Thin Film Grown on SrRuO3 and SrTiO3 Perovskites. Scientific Reports, 2020, 10, 3807.	3.3	13
16	Free-standing and ultrathin inorganic light-emitting diode array. NPG Asia Materials, 2019, 11, .	7.9	12
17	Vertical monolithic integration of wide- and narrow-bandgap semiconductor nanostructures on graphene films. NPG Asia Materials, 2021, 13, .	7.9	10
18	Cu Diffusionâ€Driven Dynamic Modulation of the Electrical Properties of Amorphous Oxide Semiconductors. Advanced Functional Materials, 2017, 27, 1700336.	14.9	8

#	Article	IF	Citations
19	Thermally Stable Amorphous Oxide-based Schottky Diodes through Oxygen Vacancy Control at Metal/Oxide Interfaces. Scientific Reports, 2019, 9, 7872.	3.3	8
20	Selective-area heteroepitaxial growth of <i>h</i> -BN micropatterns on graphene layers. 2D Materials, 2018, 5, 015021.	4.4	5
21	Resistive Switching: Unraveling the Origin and Mechanism of Nanofilament Formation in Polycrystalline SrTiO₃ Resistive Switching Memories (Adv. Mater. 28/2019). Advanced Materials, 2019, 31, 1970205.	21.0	2
22	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Se</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> thin films heteroepitaxially grown on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub>< Physical Review Materials, 2020, 4, .	2.4	2
23	B21-P-05Characterization of InxGa1-xAs/InAs Coaxial Nanorod Grown on Graphene Layers by Catalyst-Free Molecular Beam Epitaxy. Microscopy (Oxford, England), 2015, 64, i99.2-i99.	1.5	0
24	Frontispiece: Tris(2â€benzimidazolylmethyl)amineâ€Directed Synthesis of Singleâ€Atom Nickel Catalysts for Electrochemical CO Production from CO 2. Chemistry - A European Journal, 2018, 24, .	3.3	0