

Riley Gatensby

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,066
citations

840119

11
h-index

1125271

13
g-index

18
all docs

18
docs citations

18
times ranked

2536
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Sensors Based on Molybdenum Disulfide Thin Films. <i>Advanced Materials</i> , 2013, 25, 6699-6702.	11.1	435
2	Nanopatterning and Electrical Tuning of MoS ₂ Layers with a Subnanometer Helium Ion Beam. <i>Nano Letters</i> , 2015, 15, 5307-5313.	4.5	171
3	Controlled synthesis of transition metal dichalcogenide thin films for electronic applications. <i>Applied Surface Science</i> , 2014, 297, 139-146.	3.1	144
4	Saturation of Two-Photon Absorption in Layered Transition Metal Dichalcogenides: Experiment and Theory. <i>ACS Photonics</i> , 2018, 5, 1558-1565.	3.2	79
5	Spin-dependent transport properties of Fe ₃ O ₄ /MoS ₂ /Fe ₃ O ₄ junctions. <i>Scientific Reports</i> , 2015, 5, 15984.	1.6	53
6	Investigations of vapour-phase deposited transition metal dichalcogenide films for future electronic applications. <i>Solid-State Electronics</i> , 2016, 125, 39-51.	0.8	36
7	A New 2H-2H [±] /1T Cophase in Polycrystalline MoS ₂ and MoSe ₂ Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31442-31448.	4.0	33
8	Low wavenumber Raman spectroscopy of highly crystalline MoSe ₂ grown by chemical vapor deposition. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2385-2389.	0.7	29
9	Block Copolymer Derived Vertically Coupled Plasmonic Arrays for Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23410-23416.	4.0	24
10	Optimization and Control of Large Block Copolymer Self-Assembly via Precision Solvent Vapor Annealing. <i>Macromolecules</i> , 2021, 54, 1203-1215.	2.2	22
11	Field-Dependent Electrical and Thermal Transport in Polycrystalline WSe ₂ . <i>Advanced Materials Interfaces</i> , 2018, 5, 1701161.	1.9	17
12	Enhanced Dye Degradation through Multi-Particle Confinement in a Porous Silicon Substrate: A Highly Efficient, Low Band Gap Photocatalyst. <i>Advanced Optical Materials</i> , 2021, 9, 2002238.	3.6	11
13	Structural and Electrical Investigation of MoS ₂ Thin Films Formed by Thermal Assisted Conversion of Mo Metal. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, Q3016-Q3020.	0.9	6
14	Investigation of 2D transition metal dichalcogenide films for electronic devices. , 2015, , .		4
15	Investigations of vapor phase deposited transition metal dichalcogenide films for future electronic applications. , 2015, , .		1
16	Fabrication of High- ϵ Dielectric Metal Oxide Films on Topographically Patterned Substrates: Polymer Brush-Mediated Depositions. <i>ACS Applied Materials & Interfaces</i> , 0, , .	4.0	1
17	Low wavenumber Raman spectroscopy of highly crystalline MoSe ₂ grown by chemical vapor deposition (Phys. Status Solidi B 11/2015). <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, .	0.7	0
18	Large-area patterning for broadband, quasi-omnidirectional low-reflectance glass. <i>Journal of Micromechanics and Microengineering</i> , 2022, 32, 085009.	1.5	0