

Tushar Gupta

List of Publications by Year in descending order

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17
papers

1,034
citations

623734

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888059

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17
docs citations

17
times ranked

2298
citing authors

#	ARTICLE	IF	CITATIONS
1	Orientation-Controlled Large-Area Epitaxial PbI ₂ Thin Films with Tunable Optical Properties. ACS Applied Materials & Interfaces, 2021, 13, 32450-32460.	8.0	6
2	Aqueous lithium-ion batteries with niobium tungsten oxide anodes for superior volumetric and rate capability. Energy Storage Materials, 2020, 27, 506-513.	18.0	40
3	Local ferroelectric polarization in antiferroelectric chalcogenide perovskite BaZrS ₃ thin films. Physical Review B, 2020, 102, .	3.2	13
4	In situ healing of dendrites in a potassium metal battery. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5588-5594.	7.1	79
5	An Environmentally Stable and Lead-Free Chalcogenide Perovskite. Advanced Functional Materials, 2020, 30, 2001387.	14.9	52
6	Reversible Alloying of Phosphorene with Potassium and Its Stabilization Using Reduced Graphene Oxide Buffer Layers. ACS Nano, 2019, 13, 14094-14106.	14.6	36
7	Comparative study on the antioxidation behaviors of polycrystalline multilayer and single-crystalline monolayer graphene. 2D Materials, 2019, 6, 015020.	4.4	5
8	Influence of 120 MeV S ⁹⁺ ion irradiation on structural, optical and morphological properties of zirconium oxide thin films deposited by RF sputtering. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 898-907.	2.1	21
9	Utilizing van der Waals Slippery Interfaces to Enhance the Electrochemical Stability of Silicon Film Anodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 13442-13451.	8.0	48
10	Utilizing a graphene matrix to overcome the intrinsic limitations of red phosphorus as an anode material in lithium-ion batteries. Carbon, 2018, 127, 588-595.	10.3	50
11	Studies of the electronic excitation modifications induced by SHI of Au ions in RF sputtered ZrO ₂ thin films. Materials Science in Semiconductor Processing, 2018, 88, 262-272.	4.0	33
12	Theoretical and Experimental Insight into the Mechanism for Spontaneous Vertical Growth of ReS ₂ Nanosheets. Advanced Functional Materials, 2018, 28, 1801286.	14.9	35
13	Protecting Silicon Film Anodes in Lithium-Ion Batteries Using an Atomically Thin Graphene Drape. ACS Nano, 2017, 11, 5051-5061.	14.6	113
14	Effects of Defects on the Temperature-Dependent Thermal Conductivity of Suspended Monolayer Molybdenum Disulfide Grown by Chemical Vapor Deposition. Advanced Functional Materials, 2017, 27, 1704357.	14.9	44
15	Phosphorene as a Polysulfide Immobilizer and Catalyst in High-Performance Lithium-Sulfur Batteries. Advanced Materials, 2017, 29, 1602734.	21.0	289
16	Humidity sensing using vertically oriented arrays of ReS ₂ nanosheets deposited on an interdigitated gold electrode. 2D Materials, 2016, 3, 045012.	4.4	42
17	A novel approach to enhance the thermal conductivity of epoxy nanocomposites using graphene core-shell additives. Carbon, 2016, 101, 239-244.	10.3	128