

Anupam Giri

List of Publications by Year in descending order

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32
papers

1,364
citations

430442

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32
times ranked

2282
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen-doped viscoplastic liquid metal microparticles for stretchable printed metal lines. <i>Nature Materials</i> , 2021, 20, 533-540.	13.3	111
2	Electroactive 1T-MoS ₂ Fluoroelastomer Ink for Intrinsically Stretchable Solid-State In-Plane Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26870-26878.	4.0	17
3	Surface Diffusion and Epitaxial Self-Planarization for Wafer-Scale Single-Grain Metal Chalcogenide Thin Films. <i>Advanced Materials</i> , 2021, 33, e2102252.	11.1	13
4	Large-Area Epitaxial Film Growth of van der Waals Ferromagnetic Ternary Chalcogenides. <i>Advanced Materials</i> , 2021, 33, e2103609.	11.1	12
5	Pseudoequilibrium between Etching and Selective Grain Growth: Chemical Conversion of a Randomly Oriented Au Film into a (111)-Oriented Ultrathin Au Film. <i>Nano Letters</i> , 2021, 21, 9772-9779.	4.5	1
6	High-performance transparent conductive pyrolyzed carbon (Py-C) ultrathin film. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9243-9251.	2.7	6
7	Microwave-assisted evolution of WO ₃ and WS ₂ /WO ₃ hierarchical nanotrees. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9654-9660.	5.2	18
8	Au-Assisted catalytic growth of Si ₂ Te ₃ plates. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10561-10566.	2.7	6
9	Fabrication of Foldable Metal Interconnections by Hybridizing with Amorphous Carbon Ultrathin Anisotropic Conductive Film. <i>ACS Nano</i> , 2019, 13, 7175-7184.	7.3	27
10	Perovskite solar cells with an MoS ₂ electron transport layer. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7151-7158.	5.2	116
11	Synthesis of Atomically Thin Transition Metal Ditelluride Films by Rapid Chemical Transformation in Solution Phase. <i>Chemistry of Materials</i> , 2018, 30, 2463-2473.	3.2	25
12	Microwave-assisted synthesis of group 5 transition metal dichalcogenide thin films. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11303-11311.	2.7	14
13	Synthesis of 2D Metal Chalcogenide Thin Films through the Process Involving Solution-Phase Deposition. <i>Advanced Materials</i> , 2018, 30, e1707577.	11.1	43
14	Caspase mediated beclin-1 dependent autophagy tuning activity and apoptosis promotion by surface modified hausmannite nanoparticle. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1299-1310.	2.1	5
15	One-Step Solution Phase Growth of Transition Metal Dichalcogenide Thin Films Directly on Solid Substrates. <i>Advanced Materials</i> , 2017, 29, 1700291.	11.1	39
16	Eventual Chemical Transformation of Metals and Chalcogens into Metal Chalcogenide Nanoplates through a Surface Nucleation-Detachment-Reorganization Mechanism. <i>Chemistry of Materials</i> , 2017, 29, 3219-3227.	3.2	10
17	Highly Scalable Synthesis of MoS ₂ Thin Films with Precise Thickness Control via Polymer-Assisted Deposition. <i>Chemistry of Materials</i> , 2017, 29, 5772-5776.	3.2	96
18	Ultrafast FRET at fiber tips: Potential applications in sensitive remote sensing of molecular interaction. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 381-388.	4.0	17

#	ARTICLE	IF	CITATIONS
19	Synthesis of Multishell Nanoplates by Consecutive Epitaxial Growth of Bi ₂ Se ₃ and Bi ₂ Te ₃ Nanoplates and Enhanced Thermoelectric Properties. ACS Nano, 2015, 9, 6843-6853.	7.3	85
20	Synthesis of surfactant-free SnS nanoplates in an aqueous solution. RSC Advances, 2015, 5, 94796-94801.	1.7	18
21	Unprecedented catalytic activity of Mn ₃ O ₄ nanoparticles: potential lead of a sustainable therapeutic agent for hyperbilirubinemia. RSC Advances, 2014, 4, 5075.	1.7	35
22	Luminescent iron clusters in solution. Nanoscale, 2014, 6, 1848-1854.	2.8	28
23	Surface Engineering for Controlled Nanocatalysis: Key Dynamical Events from Ultrafast Electronic Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 23434-23442.	1.5	7
24	Evanescent field: A potential light-tool for theranostics application. Review of Scientific Instruments, 2014, 85, 033108.	0.6	6
25	MoS ₂ Nanocrystals Confined in a DNA Matrix Exhibiting Energy Transfer. Langmuir, 2013, 29, 11471-11478.	1.6	31
26	Rational surface modification of Mn ₃ O ₄ nanoparticles to induce multiple photoluminescence and room temperature ferromagnetism. Journal of Materials Chemistry C, 2013, 1, 1885.	2.7	76
27	Emergence of Multicolor Photoluminescence in La _{0.67} Sr _{0.33} MnO ₃ Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 25623-25629.	1.5	37
28	Protein-Directed Synthesis of NIR-Emitting, Tunable HgS Quantum Dots and their Applications in Metal Ion Sensing. Small, 2012, 8, 3175-3184.	5.2	78
29	Preparation of water soluble l-arginine capped CdSe/ZnS QDs and their interaction with synthetic DNA: Picosecond-resolved FRET study. Materials Research Bulletin, 2012, 47, 1912-1918.	2.7	12
30	Copper Quantum Clusters in Protein Matrix: Potential Sensor of Pb ²⁺ Ion. Analytical Chemistry, 2011, 83, 9676-9680.	3.2	311
31	Functionalization of manganite nanoparticles and their interaction with biologically relevant small ligands: Picosecond time-resolved FRET studies. Nanoscale, 2010, 2, 2704.	2.8	44
32	Superparamagnetic fluorescent nickel-enzyme nanobioconjugates: synthesis and characterization of a novel multifunctional biological probe. Journal of Materials Chemistry, 2010, 20, 3722.	6.7	20