

Sumita Goswami

List of Publications by Year in descending order

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23
papers

503
citations

759233

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677142

22
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23
all docs

23
docs citations

23
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of graphene-polyaniline composites by simple chemical procedure and its improved field emission properties. Carbon, 2011, 49, 2245-2252.	10.3	117
2	Cellulose: A Contribution for the Zero e-Waste Challenge. Advanced Materials Technologies, 2021, 6, .	5.8	56
3	Biowaste-derived carbon black applied to polyaniline-based high-performance supercapacitor microelectrodes: Sustainable materials for renewable energy applications. Electrochimica Acta, 2019, 316, 202-218.	5.2	45
4	Room temperature deposition of ultra sharp ZnO nanospikes on metallic, non-metallic and flexible carbon fabrics: Efficient field emitters. CrystEngComm, 2011, 13, 1976-1983.	2.6	35
5	Synthesis of tetrapod like PbS microcrystals by hydrothermal route and its optical characterization. Journal of Alloys and Compounds, 2009, 481, 806-810.	5.5	32
6	Electrorheological properties of polyaniline-vanadium oxide nanostructures suspended in silicone oil. Smart Materials and Structures, 2014, 23, 105012.	3.5	24
7	Ultra smooth NiO thin films on flexible plastic (PET) substrate at room temperature by RF magnetron sputtering and effect of oxygen partial pressure on their properties. Applied Surface Science, 2010, 256, 3142-3147.	6.1	22
8	Molybdenum disulfide/polyaniline interlayer for lithium polysulphide trapping in lithium-sulphur batteries. Journal of Power Sources, 2022, 521, 230945.	7.8	21
9	Stress Induced Mechano-electrical Writing-Reading of Polymer Film Powered by Contact Electrification Mechanism. Scientific Reports, 2016, 6, 19514.	3.3	20
10	Human-motion interactive energy harvester based on polyaniline functionalized textile fibers following metal/polymer mechano-responsive charge transfer mechanism. Nano Energy, 2019, 60, 794-801.	16.0	19
11	Touch-Interactive Flexible Sustainable Energy Harvester and Self-Powered Smart Card. Advanced Functional Materials, 2020, 30, 1908994.	14.9	16
12	Polyaniline/Vanadium oxide composites: An effective control in morphology by varying reactant concentrations. Materials Chemistry and Physics, 2013, 138, 319-326.	4.0	14
13	Study of field emission and dielectric properties of AlN films prepared by DC sputtering technique at different substrate temperatures. Indian Journal of Physics, 2010, 84, 1347-1354.	1.8	12
14	The electrorheological performance of polyaniline-based hybrid particles suspensions in silicone oil: influence of the dispersing medium viscosity. Smart Materials and Structures, 2018, 27, 075001.	3.5	12
15	Electrotyping on a Carbon Nanoparticles-Filled Polymeric Film using Conducting Atomic Force Microscopy. Advanced Materials, 2017, 29, 1703079.	21.0	11
16	Smart IoT enabled interactive self-powered security tag designed with functionalized paper. Nano Energy, 2022, 95, 107021.	16.0	10
17	Electrorheological behaviour of suspensions in silicone oil of doped polyaniline nanostructures containing carbon nanoparticles. Journal of Intelligent Material Systems and Structures, 2019, 30, 755-763.	2.5	9
18	Amorphous carbon nanotube-polyaniline core-shell nanostructures for efficient cold cathode applications. RSC Advances, 2013, 3, 26321.	3.6	8

#	ARTICLE	IF	CITATIONS
19	Electrorheological behavior of suspensions of camphorsulfonic acid (CSA) doped polyaniline nanofibers in silicone oil. <i>Physica Scripta</i> , 2017, 92, 075801.	2.5	8
20	Enhanced field emission from polyaniline nano-porous thin films on PET substrate. <i>Synthetic Metals</i> , 2009, 159, 2430-2436.	3.9	7
21	Green Nanotechnology from Waste Carbonâ€“Polyaniline Composite: Generation of Wavelengthâ€“Independent Multiband Photoluminescence for Sensitive Ion Detection. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700137.	5.3	4
22	Green Nanotechnology: Green Nanotechnology from Waste Carbonâ€“Polyaniline Composite: Generation of Wavelengthâ€“Independent Multiband Photoluminescence for Sensitive Ion Detection (Adv. Sustainable Syst. 1/2018). <i>Advanced Sustainable Systems</i> , 2018, 2, 1870002.	5.3	1
23	Enhanced field emission from polyaniline coated amorphous carbon nanotubes. , 2013, , .		0