

Ravi Kant Tripathi

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

466
citations

567281

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22
all docs

22
docs citations

22
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and development of flexible humidity sensor for baby diaper alarm: Experimental and theoretical study. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130818.	7.8	30
2	Flexible, environmentally-acceptable and long-durable-energy-efficient novel WS ₂ polyacrylamide MOFs for high-performance photodetectors. <i>Materials Advances</i> , 2022, 3, 3994-4005.	5.4	21
3	Investigation on Metal Nanoparticles: Nickel Oxide, Cuprous Oxide and Tin Ferrite with Their Humidity Sensing at Room Temperature. <i>Nano LIFE</i> , 2022, 12, .	0.9	1
4	State of the Art Metallopolymer Based Functional Nanomaterial for Photodetector and Solar Cell Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2807-2826.	3.7	26
5	ZnS Nanosheets in a Polyaniline Matrix as Metallopolymer Nanohybrids for Flexible and Biofriendly Photodetectors. <i>ACS Applied Nano Materials</i> , 2022, 5, 4860-4874.	5.0	34
6	Healable, highly sensitive LPG sensor based on Ni _{0.4} Zn _{0.6} Fe ₂ O ₄ nanohybrid grown by autocombustion process. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128840.	7.8	23
7	Ultrafast responsive humidity sensor based on roasted gram derived carbon quantum dots: Experimental and theoretical study. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129116.	7.8	25
8	Study of variable range hopping conduction mechanism in nanocrystalline carbon thin films deposited by modified anodic jet carbon arc technique: application to light-dependent resistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 2535-2546.	2.2	17
9	The functionalization of polyacrylamide with MoS ₂ nanoflakes for use in transient photodetectors. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1394-1405.	4.9	32
10	Transient photodetection studies on 2D ZnO nanostructures prepared by simple organic-solvent assisted route. <i>Sensors and Actuators A: Physical</i> , 2021, 321, 112600.	4.1	33
11	2-D self-healable polyaniline-polypyrrole nanoflakes based triboelectric nanogenerator for self-powered solar light photo detector with DFT study. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 572-585.	9.4	33
12	Improved growth of nano tin ferrites with their decoration on carbon foam for wastewater treatment. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100546.	2.9	2
13	The synthesis of a Cu _{0.8} Zn _{0.2} Sb ₂ polyacrylamide nanocomposite by frontal polymerization for moisture and photodetection performance. <i>Materials Advances</i> , 2020, 1, 2804-2817.	5.4	16
14	The beauty inhabited inside the modified Graphene for moisture detection at different frequencies. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10836-10845.	2.2	29
15	Improved sensing behaviour of self-healable solar light photodetector based on core-shell type Ni _{0.2} Zn _{0.8} Fe ₂ O ₄ @ poly (Urea-Formaldehyde). <i>Solar Energy</i> , 2019, 188, 278-290.	6.1	23
16	Study on nanocrystalline silicon thin films grown by the filtered cathodic vacuum arc technique using boron doped solid silicon for fast photo detectors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 86, 185-191.	5.3	10
17	Organic-inorganic hybrid nanomaterials for advanced light dependent resistors. <i>Materials Chemistry and Physics</i> , 2017, 202, 169-176.	4.0	15
18	Organic-inorganic hybrid cathodes: facile synthesis of polypyrrole/zinc oxide nanofibers for low turn-on electron field emitters. <i>RSC Advances</i> , 2016, 6, 46372-46379.	3.6	5

#	ARTICLE	IF	CITATIONS
19	Easy synthesis of organic–inorganic hybrid nanomaterials: study of DC conduction mechanism for light dependent resistors. RSC Advances, 2016, 6, 31540-31550.	3.6	19
20	Improved nanomechanical properties of hydrogenated tetrahedral amorphous carbon films measured with ultra low indentation load. Materials Express, 2015, 5, 410-418.	0.5	13
21	Superior nano-mechanical properties of reduced graphene oxide reinforced polyurethane composites. RSC Advances, 2015, 5, 16921-16930.	3.6	56
22	Structural and nanomechanical properties of nanocrystalline carbon thin films for photodetection. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, 031501.	2.1	3