

Rishi Ranjan Kumar

List of Publications by Year in descending order

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10
papers

334
citations

1040056

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1372567

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docs citations

11
times ranked

399
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct CVD Growth of Graphene on Technologically Important Dielectric and Semiconducting Substrates. <i>Advanced Science</i> , 2018, 5, 1800050.	11.2	81
2	Ultrasensitive and light-activated NO ₂ gas sensor based on networked MoS ₂ /ZnO nanohybrid with adsorption/desorption kinetics study. <i>Applied Surface Science</i> , 2021, 536, 147933.	6.1	72
3	Current Transport and Band Alignment Study of MoS ₂ /GaN and MoS ₂ /AlGaN Heterointerfaces for Broadband Photodetection Application. <i>ACS Applied Electronic Materials</i> , 2020, 2, 710-718.	4.3	43
4	Wetting behaviors and applications of metal-catalyzed CVD grown graphene. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22437-22464.	10.3	33
5	Sulfur Monovacancies in Liquid-Exfoliated MoS ₂ Nanosheets for NO ₂ Gas Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 9459-9470.	5.0	27
6	Defect controlled adsorption/desorption kinetics of ZnO nanorods for UV-activated NO ₂ gas sensing at room temperature. <i>Materials Letters</i> , 2021, 287, 129257.	2.6	25
7	CVD Graphene on Textured Silicon: An Emerging Technologically Versatile Heterostructure for Energy and Detection Applications. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	19
8	Interlinked Polyaniline/ZnO Nanorod Composite for Selective NO ₂ Gas Sensing at Room Temperature. <i>ACS Applied Nano Materials</i> , 2022, 5, 4921-4930.	5.0	15
9	Gamma-ray engineered surface defects on zinc oxide nanorods towards enhanced NO ₂ gas sensing performance at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132255.	7.8	13
10	Consequences of gamma-ray irradiation on structural and electronic properties of PEDOT:PSS polymer in air and vacuum environments. <i>RSC Advances</i> , 2021, 11, 20752-20759.	3.6	6