

Rishi Ranjan Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2327115/publications.pdf>

Version: 2024-02-01

10
papers

334
citations

1040056

9
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

399
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 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 | 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 |
| 8 | 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 |
| 9 | Wetting behaviors and applications of metal-catalyzed CVD grown graphene. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22437-22464. | 10.3 | 33 |
| 10 | Direct CVD Growth of Graphene on Technologically Important Dielectric and Semiconducting Substrates. <i>Advanced Science</i> , 2018, 5, 1800050. | 11.2 | 81 |