

Divya Somvanshi

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

511
citations

759233

12
h-index

677142

22
g-index

34
all docs

34
docs citations

34
times ranked

625
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | First-principal insight of the gold-metal interaction to bilayer MoSe ₂ of AB and AA stacking order. Solid State Communications, 2022, 342, 114613. | 1.9 | 3 |
| 2 | Strain-dependent doping behavior of WSe ₂ monolayer: A first-principle calculation. Europhysics Letters, 2022, 137, 26004. | 2.0 | 4 |
| 3 | Theoretical Insights into Gold Metal Contacts to Monolayer and Bilayer MoSe ₂ . , 2021, , . | | 0 |
| 4 | Improved Current Density and Contact Resistance in Bilayer MoSe ₂ Field Effect Transistors by AlO _x Capping. ACS Applied Materials & Interfaces, 2020, 12, 36355-36361. | 8.0 | 31 |
| 5 | Transition metal dichalcogenides based two-dimensional heterostructures for optoelectronic applications. , 2020, , 125-149. | | 15 |
| 6 | A systematic study on the electronic structure of 3d, 4d, and 5d transition metal-doped WSe ₂ monolayer. Superlattices and Microstructures, 2020, 148, 106746. | 3.1 | 12 |
| 7 | Optical and Electrical Characterization of n-MoS ₂ /p-Si Heterojunction Diode. , 2020, , . | | 0 |
| 8 | Recent Progress on Extended Wavelength and Split-Off Band Heterostructure Infrared Detectors. Micromachines, 2020, 11, 547. | 2.9 | 6 |
| 9 | Functionalized polyvinyl chloride/layered double hydroxide nanocomposites and its thermal and mechanical properties. Journal of Applied Polymer Science, 2020, 137, 48894. | 2.6 | 8 |
| 10 | Reduced Dark Current With a Specific Detectivity Advantage in Extended Threshold Wavelength Infrared Detector. , 2019, 3, 1-4. | | 3 |
| 11 | Accuracy of activation energy from Arrhenius plots and temperature-dependent internal photoemission spectroscopy. Infrared Physics and Technology, 2019, 102, 103026. | 2.9 | 4 |
| 12 | Analysis of Extended Threshold Wavelength Photoresponse in Nonsymmetrical p-GaAs/AlGaAs Heterostructure Photodetectors. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-7. | 2.9 | 5 |
| 13 | Analysis of Barrier Parameters on the Extended Threshold Wavelength of Infrared Detectors. IEEE Photonics Technology Letters, 2018, 30, 1617-1620. | 2.5 | 3 |
| 14 | Effective Richardson Constant of Sol-Gel Derived TiO ₂ Films in n-TiO ₂ /p-Si Heterojunctions. IEEE Electron Device Letters, 2017, 38, 633-636. | 3.9 | 30 |
| 15 | Nature of carrier injection in metal/2D-semiconductor interface and its implications for the limits of contact resistance. Physical Review B, 2017, 96, . | 3.2 | 55 |
| 16 | Electrical and Ultraviolet-A Detection Properties of E-Beam Evaporated n-TiO ₂ Capped p-Si Nanowires Heterojunction Photodiodes. IEEE Nanotechnology Magazine, 2016, , 1-1. | 2.0 | 20 |
| 17 | Ultraviolet Detection Properties of p-Si/n-TiO ₂ Heterojunction Photodiodes Grown by Electron-Beam Evaporation and Sol-Gel Methods: A Comparative Study. IEEE Nanotechnology Magazine, 2016, 15, 193-200. | 2.0 | 64 |
| 18 | Structural and optical characteristics of n-TiO ₂ thin films by sol-gel method. , 2015, , . | | 2 |

