

Subhashish Dolai

List of Publications by Year in descending order

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11
papers

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1684188

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Whole virus detection using aptamers and paper-based sensor potentiometry. <i>Medical Devices & Sensors</i> , 2020, 3, e10112. | 2.7 | 21 |
| 2 | Microfabricated Nano-Gap Tunneling Current Zika Virus Sensors With Single Virus Detection Capabilities. <i>IEEE Sensors Journal</i> , 2020, 20, 8597-8603. | 4.7 | 16 |
| 3 | Effect of temperature & phonon scattering on the drain current of a MOSFET using SL-MoS ₂ as its channel material. <i>Superlattices and Microstructures</i> , 2017, 111, 912-921. | 3.1 | 9 |
| 4 | 433 MHz Lithium Niobate Microbalance Aptamer-Coated Whole Zika Virus Sensor With 370 Hz/ng Sensitivity. <i>IEEE Sensors Journal</i> , 2020, 20, 4269-4274. | 4.7 | 9 |
| 5 | Hydrogel Gold Nanoparticle Switch. <i>IEEE Electron Device Letters</i> , 2018, 39, 1421-1424. | 3.9 | 6 |
| 6 | Zika Virus Field Effect Transistor. <i>IEEE Sensors Journal</i> , 2021, 21, 4122-4128. | 4.7 | 4 |
| 7 | Remote Microwave and Field-Effect Sensing Techniques for Monitoring Hydrogel Sensor Response. <i>Micromachines</i> , 2018, 9, 526. | 2.9 | 3 |
| 8 | Micro Fabricated MEMS Colorimetric Devices to Measure Zika-Induced Residual Stress and Mass Loading. <i>IEEE Sensors Journal</i> , 2021, 21, 4682-4687. | 4.7 | 3 |
| 9 | Metal-Oxide-Hydrogel Field-Effect Sensor. , 2018, , . | | 2 |
| 10 | Effect of Temperature & phonon scattering on the Drain current of a MOSFET using SL-MoS ₂ as its channel material. <i>Journal of Non-Crystalline Solids</i> , 2017, 463, 108. | 3.1 | 1 |
| 11 | Bio-mimetic synthetic cell hydrogel magnetometer. <i>Bioinspiration and Biomimetics</i> , 2019, 14, 026003. | 2.9 | 1 |