

Shashi Bhushan Srivastava

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

340
citations

840776

11
h-index

839539

18
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23
all docs

23
docs citations

23
times ranked

446
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Bulk-heterojunction photocapacitors with high open-circuit voltage for low light intensity photostimulation of neurons. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1755-1763. | 5.5 | 7 |
| 2 | Nanoengineering InP Quantum Dot-Based Photoactive Biointerfaces for Optical Control of Neurons. <i>Frontiers in Neuroscience</i> , 2021, 15, 652608. | 2.8 | 13 |
| 3 | Plasmon-Coupled Photocapacitor Neuromodulators. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35940-35949. | 8.0 | 18 |
| 4 | High-Performance, Large-Area, and Ecofriendly Luminescent Solar Concentrators Using Copper-Doped InP Quantum Dots. <i>IScience</i> , 2020, 23, 101272. | 4.1 | 32 |
| 5 | Organic Photovoltaic Pseudocapacitors for Neurostimulation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42997-43008. | 8.0 | 34 |
| 6 | Efficient photocapacitors via ternary hybrid photovoltaic optimization for photostimulation of neurons. <i>Biomedical Optics Express</i> , 2020, 11, 5237. | 2.9 | 11 |
| 7 | Bidirectional optical neuromodulation using capacitive charge-transfer. <i>Biomedical Optics Express</i> , 2020, 11, 6068. | 2.9 | 7 |
| 8 | Perovskite-Based Optoelectronic Biointerfaces for Non-Bias-Assisted Photostimulation of Cells. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900758. | 3.7 | 7 |
| 9 | Light-Emitting Devices Based on Type-II InP/ZnO Quantum Dots. <i>ACS Photonics</i> , 2019, 6, 939-946. | 6.6 | 35 |
| 10 | Band Alignment Engineers Faradaic and Capacitive Photostimulation of Neurons Without Surface Modification. <i>Physical Review Applied</i> , 2019, 11, . | 3.8 | 23 |
| 11 | Structure-Property Relationship in an Organic Semiconductor: Insights from Energy Frameworks, Charge Density Analysis, and Diode Devices. <i>Crystal Growth and Design</i> , 2019, 19, 3019-3029. | 3.0 | 6 |
| 12 | Ecofriendly and Efficient Luminescent Solar Concentrators Based on Fluorescent Proteins. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8710-8716. | 8.0 | 45 |
| 13 | Investigation of the buried planar interfaces in multi-layered inverted organic solar cells using x-ray reflectivity and impedance spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 124003. | 1.8 | 2 |
| 14 | High quality quantum dots polymeric films as color converters for smart phone display technology. <i>Materials Research Express</i> , 2019, 6, 035015. | 1.6 | 13 |
| 15 | Sustainable one-step strategy towards low temperature curable superparamagnetic composite based on smartly designed iron nanoparticles and cardanol benzoxazine. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2555-2567. | 10.3 | 23 |
| 16 | Resistive switching behavior in oxygen ion irradiated TiO ₂ films. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 065306. | 2.8 | 15 |
| 17 | Probing the flat band potential and effective electronic carrier density in vertically aligned nitrogen doped diamond nanorods via electrochemical method. <i>Electrochimica Acta</i> , 2017, 246, 68-74. | 5.2 | 15 |
| 18 | Molecular-Shape-Induced Efficiency Enhancement in PC ₆₁ BM and PC ₇₁ BM Based Ternary Blend Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17104-17111. | 3.1 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Efficient organic NLO material: charge-density analysis and device fabrication. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C800-C800. | 0.1 | 0 |
| 20 | Analysis of degradation mechanisms in donor-acceptor copolymer based organic photovoltaic devices using impedance spectroscopy. Materials Research Express, 2016, 3, 096202. | 1.6 | 6 |
| 21 | Charge transport studies in donor-acceptor block copolymer PDPP-TNT and PC71BM based inverted organic photovoltaic devices processed in room conditions. AIP Advances, 2015, 5, . | 1.3 | 11 |
| 22 | Non-Fullerene Acceptor-Based Nanomorphology Enhancement for Efficient Ternary Organic Solar Cells. Physica Status Solidi (A) Applications and Materials Science, 0, , . | 1.8 | 2 |