

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
g-index

23
all docs

23
docs citations

23
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecofriendly and Efficient Luminescent Solar Concentrators Based on Fluorescent Proteins. ACS Applied Materials & Interfaces, 2019, 11, 8710-8716.	8.0	45
2	Light-Emitting Devices Based on Type-II InP/ZnO Quantum Dots. ACS Photonics, 2019, 6, 939-946.	6.6	35
3	Organic Photovoltaic Pseudocapacitors for Neurostimulation. ACS Applied Materials & Interfaces, 2020, 12, 42997-43008.	8.0	34
4	High-Performance, Large-Area, and Ecofriendly Luminescent Solar Concentrators Using Copper-Doped InP Quantum Dots. IScience, 2020, 23, 101272.	4.1	32
5	Sustainable one-step strategy towards low temperature curable superparamagnetic composite based on smartly designed iron nanoparticles and cardanol benzoxazine. Journal of Materials Chemistry A, 2018, 6, 2555-2567.	10.3	23
6	Band Alignment Engineers Faradaic and Capacitive Photostimulation of Neurons Without Surface Modification. Physical Review Applied, 2019, 11, .	3.8	23
7	Plasmon-Coupled Photocapacitor Neuromodulators. ACS Applied Materials & Interfaces, 2020, 12, 35940-35949.	8.0	18
8	Probing the flat band potential and effective electronic carrier density in vertically aligned nitrogen doped diamond nanorods via electrochemical method. Electrochimica Acta, 2017, 246, 68-74.	5.2	15
9	Molecular-Shape-Induced Efficiency Enhancement in PC ₆₁ BM and PC ₇₁ BM Based Ternary Blend Organic Solar Cells. Journal of Physical Chemistry C, 2017, 121, 17104-17111.	3.1	15
10	Resistive switching behavior in oxygen ion irradiated TiO ₂ films. Journal Physics D: Applied Physics, 2018, 51, 065306.	2.8	15
11	High quality quantum dots polymeric films as color converters for smart phone display technology. Materials Research Express, 2019, 6, 035015.	1.6	13
12	Nanoengineering InP Quantum Dot-Based Photoactive Biointerfaces for Optical Control of Neurons. Frontiers in Neuroscience, 2021, 15, 652608.	2.8	13
13	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
14	Efficient photocapacitors via ternary hybrid photovoltaic optimization for photostimulation of neurons. Biomedical Optics Express, 2020, 11, 5237.	2.9	11
15	Perovskite-Based Optoelectronic Biointerfaces for Non-Bias-Assisted Photostimulation of Cells. Advanced Materials Interfaces, 2019, 6, 1900758.	3.7	7
16	Bulk-heterojunction photocapacitors with high open-circuit voltage for low light intensity photostimulation of neurons. Journal of Materials Chemistry C, 2021, 9, 1755-1763.	5.5	7
17	Bidirectional optical neuromodulation using capacitive charge-transfer. Biomedical Optics Express, 2020, 11, 6068.	2.9	7
18	Analysis of degradation mechanisms in donor-acceptor copolymer based organic photovoltaic devices using impedance spectroscopy. Materials Research Express, 2016, 3, 096202.	1.6	6

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Non-Fullerene Acceptor-Based Nanomorphology Enhancement for Efficient Ternary Organic Solar Cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , .	1.8	2
22	Efficient organic NLO material: charge-density analysis and device fabrication. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C800-C800.	0.1	0