

Partha Pratim Sahu

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

350
citations

840776

11
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Variation in Phytochemical, Antioxidant and Volatile Composition of Pomelo Fruit (<i>Citrus grandis</i> (L.) Tj ETQq1 1 0,784314 rgBT /Ove	3.5	45
2	Theoretical Investigation of All Optical Switch Based on Compact Surface Plasmonic Two Mode Interference Coupler. <i>Journal of Lightwave Technology</i> , 2016, 34, 1300-1305.	4.6	42
3	All-optical switch using optically controlled two mode interference coupler. <i>Applied Optics</i> , 2012, 51, 2601.	1.8	31
4	Priority Based Dispersion-Reduced Wavelength Assignment for Optical Networks. <i>Journal of Lightwave Technology</i> , 2013, 31, 257-263.	4.6	29
5	A Compact Optical Multiplexer Using Silicon Nano-Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009, 15, 1537-1541.	2.9	24
6	Polyanilineâ€“graphene quantum dots (PANIâ€“GQDs) hybrid for plastic solar cell. <i>Carbon Letters</i> , 2020, 30, 1-11.	5.9	23
7	All-Optical Surface Plasmonic Universal Logic Gate Devices. <i>Plasmonics</i> , 2016, 11, 1537-1542.	3.4	16
8	Green reduction of graphene oxide using phytochemicals extracted from Pomelo Grandis and <i>Tamarindus indica</i> and its supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 15265-15278.	2.2	15
9	Efficiency Enhancement of Low-Cost Heterojunction Solar Cell by the Incorporation of Highly Conducting rGO Into ZnO Nanostructure. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 3238-3245.	3.0	15
10	Purification and Characterization of Nkâ€“FTx: A Three Finger Toxin from the Venom of North East Indian Monocled Cobra. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016, 30, 59-70.	3.0	13
11	A green approach to fast synthesis of reduced graphene oxide using alcohol for tuning semiconductor property. <i>Materials Science in Semiconductor Processing</i> , 2019, 104, 104670.	4.0	13
12	High Photo Sensing Performance With Electro-Optically Efficient Silicon Based ZnO/ZnMgO Heterojunction Structure. <i>IEEE Sensors Journal</i> , 2018, 18, 6569-6575.	4.7	12
13	Enhancement of power conversion efficiency of Al/ZnO/p-Si/Al heterojunction solar cell by modifying morphology of ZnO nanostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4142-4149.	2.2	11
14	Design and development of IDE sensor for naringin quantification in pomelo juice: An indicator of citrus maturity. <i>Food Chemistry</i> , 2022, 377, 131947.	8.2	11
15	A novel electrochemical interdigitated electrodes sensor for limonin quantification and reduction in citrus limetta juice. <i>Food Chemistry</i> , 2022, 381, 132248.	8.2	10
16	Coupled ZnOâ€“SnO ₂ Nanocomposite for Efficiency Enhancement of ZnOâ€“SnO ₂ /p-Si Heterojunction Solar Cell. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 610-617.	3.0	9
17	Heterojunction between crystalline silicon and nanocomposite coupled ZnOâ€“SnO ₂ and optimization of its photovoltaic performance. <i>Current Applied Physics</i> , 2022, 38, 15-21.	2.4	6
18	Compact component for integrated quantum optic processing. <i>Scientific Reports</i> , 2015, 5, 16276.	3.3	4

#	ARTICLE	IF	CITATIONS
19	Thermooptic two-mode interference device for reconfigurable quantum optic circuits. Quantum Information Processing, 2018, 17, 1.	2.2	4
20	Compact Multi-Photons Quantum Interference Component for Integrated Quantum Optic Device. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-6.	2.9	4
21	Development of Colorimetric pH Indicator Paper Using Anthocyanin for Rapid Quality Monitoring of Liquid Food. Journal of Packaging Technology and Research, 2021, 5, 41-49.	1.5	4
22	Design & simulation of sinusoidal oscillator using 0.18 μm CMOS technology OP-AMP. , 2012, , .		2
23	Improvement of front side contact and quantum efficiency of c-Si solar cell through light induced plating. Optical and Quantum Electronics, 2015, 47, 3391-3404.	3.3	2
24	Thermooptic reconfigurable Mach Zehnder quantum interference device. Results in Physics, 2019, 12, 1329-1333.	4.1	2
25	A Compact Surface Plasmonics Polariton Quantum Entanglement Device. Plasmonics, 2019, 14, 875-879.	3.4	2
26	SPP Based Compact Optical Power Splitter Using Two-Mode Interference Coupling. , 2017, , .		1
27	Physical, mechanical, and electrical properties of rice starch-based films plasticised by ionic liquid. Indian Chemical Engineer, 0, , 1-12.	1.5	0