

# 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	Design and development of IDE sensor for naringin quantification in pomelo juice: An indicator of citrus maturity. Food Chemistry, 2022, 377, 131947.	8.2	11
2	A novel electrochemical interdigitated electrodes sensor for limonin quantification and reduction in citrus limetta juice. Food Chemistry, 2022, 381, 132248.	8.2	10
3	Heterojunction between crystalline silicon and nanocomposite coupled ZnO-SnO <sub>2</sub> and optimization of its photovoltaic performance. Current Applied Physics, 2022, 38, 15-21.	2.4	6
4	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
5	Coupled ZnO-SnO <sub>2</sub> Nanocomposite for Efficiency Enhancement of p-Si Heterojunction Solar Cell. IEEE Transactions on Electron Devices, 2021, 68, 610-617.	3.0	9
6	Green reduction of graphene oxide using phytochemicals extracted from Pomelo Grandis and Tamarindus indica and its supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 15265-15278.	2.2	15
7	Efficiency Enhancement of Low-Cost Heterojunction Solar Cell by the Incorporation of Highly Conducting rGO Into ZnO Nanostructure. IEEE Transactions on Electron Devices, 2021, 68, 3238-3245.	3.0	15
8	Variation in Phytochemical, Antioxidant and Volatile Composition of Pomelo Fruit (Citrus grandis (L.))	3.5	45
9	Polyaniline-graphene quantum dots (PANI-GQDs) hybrid for plastic solar cell. Carbon Letters, 2020, 30, 1-11.	5.9	23
10	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
11	Enhancement of power conversion efficiency of Al/ZnO/p-Si/Al heterojunction solar cell by modifying morphology of ZnO nanostructure. Journal of Materials Science: Materials in Electronics, 2020, 31, 4142-4149.	2.2	11
12	A green approach to fast synthesis of reduced graphene oxide using alcohol for tuning semiconductor property. Materials Science in Semiconductor Processing, 2019, 104, 104670.	4.0	13
13	Thermooptic reconfigurable Mach Zehnder quantum interference device. Results in Physics, 2019, 12, 1329-1333.	4.1	2
14	A Compact Surface Plasmonics Polariton Quantum Entanglement Device. Plasmonics, 2019, 14, 875-879.	3.4	2
15	Thermooptic two-mode interference device for reconfigurable quantum optic circuits. Quantum Information Processing, 2018, 17, 1.	2.2	4
16	High Photo Sensing Performance With Electro-Optically Efficient Silicon Based ZnO/ZnMgO Heterojunction Structure. IEEE Sensors Journal, 2018, 18, 6569-6575.	4.7	12
17	SPP Based Compact Optical Power Splitter Using Two-Mode Interference Coupling. , 2017, , .		1
18	Purification and Characterization of Nk-3FTx: A Three Finger Toxin from the Venom of North East Indian Monocled Cobra. Journal of Biochemical and Molecular Toxicology, 2016, 30, 59-70.	3.0	13

#	ARTICLE	IF	CITATIONS
19	All-Optical Surface Plasmonic Universal Logic Gate Devices. Plasmonics, 2016, 11, 1537-1542.	3.4	16
20	Theoretical Investigation of All Optical Switch Based on Compact Surface Plasmonic Two Mode Interference Coupler. Journal of Lightwave Technology, 2016, 34, 1300-1305.	4.6	42
21	Compact component for integrated quantum optic processing. Scientific Reports, 2015, 5, 16276.	3.3	4
22	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
23	Priority Based Dispersion-Reduced Wavelength Assignment for Optical Networks. Journal of Lightwave Technology, 2013, 31, 257-263.	4.6	29
24	All-optical switch using optically controlled two mode interference coupler. Applied Optics, 2012, 51, 2601.	1.8	31
25	Design & simulation of sinusoidal oscillator using 0.18 $\mu$ m CMOS technology OP-AMP. , 2012, , .		2
26	A Compact Optical Multiplexer Using Silicon Nano-Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 1537-1541.	2.9	24
27	Physical, mechanical, and electrical properties of rice starch-based films plasticised by ionic liquid. Indian Chemical Engineer, 0, , 1-12.	1.5	0