

Priyabrata Pattanaik

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

71
citations

2258059

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1588992

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23
all docs

23
docs citations

23
times ranked

122
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, Morphological, Optical and Electrical Characterization of Gahnite Ferroan Nano Composite Derived from Fly Ash Silica and ZnO Mixture. <i>Materials</i> , 2022, 15, 1388.	2.9	2
2	Numerical modelling and simulation of a 1-D Silicon solar cell. <i>Materials Today: Proceedings</i> , 2021, 41, 451-454.	1.8	2
3	UVC LED and Conducting Yarn-Based Heater for a Smart Germicidal Face Mask to Protect against Airborne Viruses. <i>Materials</i> , 2021, 14, 6999.	2.9	1
4	Fabrication of Single Crystalline Zn _{0.85} Cu _{0.15} O Film Using CWD Coating Technique. , 2021, , .		0
5	Fabrication of n-ZnO/p-Si Heterojunction by Chemical Wet and Dry (CWD) Method. , 2020, , 269-276.		1
6	Controlled nano-particle dyeing of cotton can ensure low cytotoxicity risk with multi-functional property enhancement. <i>Materials Today Chemistry</i> , 2020, 17, 100345.	3.5	4
7	Fabrication and characterization of n-ZnO/p-GaSb heterojunction diode. <i>Microelectronics International</i> , 2019, 36, 143-149.	0.6	1
8	Model-based approach to validate the aluminium nitride material based ultrasonic MEMS transceiver for temperature sensing. <i>Micro and Nano Letters</i> , 2019, 14, 280-285.	1.3	0
9	Preparation of TiO ₂ film on Ag and Al electrode for electrochemical bio-sensing application. <i>International Journal of Nano and Biomaterials</i> , 2018, 7, 311.	0.1	1
10	Measurement of Zone Temperature Profile of a Resistive Heating Furnace Through RVM Model. <i>IEEE Sensors Journal</i> , 2018, 18, 4429-4435.	4.7	9
11	A NEW METHOD FOR AUTOMATED DETECTION OF DIABETES FROM HEART RATE SIGNAL. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1740001.	0.7	2
12	AUTOMATED DETECTION OF ATRIAL FIBRILLATION ECG SIGNALS USING TWO STAGE VMD AND ATRIAL FIBRILLATION DIAGNOSIS INDEX. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1740044.	0.7	25
13	A Simulation Approach to Study the Effect of Ultrasonic MEMS Based Receiver for Blood Glucose Sensing Applications. , 2017, 1, 1-4.		4
14	Preparation of TiO ₂ Film on Al by Sol-Gel Chemical Wet Dry Technique for Electrochemical Bio-Sensing Applications. <i>Advanced Science Letters</i> , 2016, 22, 491-493.	0.2	1
15	Volatile Organic Compounds Sensing Characteristics of Nanocrystalline Co Doped ZnO Pallet. <i>Advanced Science Letters</i> , 2016, 22, 374-377.	0.2	1
16	Simulation Study of ZnO Based Ultrasonic Micro-Electronics Mechanical Systems Model for Blood Glucose Level Measurement. <i>Advanced Science Letters</i> , 2016, 22, 401-404.	0.2	2
17	Electrical behavior of ZnO-valinomycin coated Ag electrode for the detection of K ⁺ in blood. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 992-997.	2.2	2
18	Experimental and simulated study of electrical behaviour of ZnO film deposited on Al substrate for device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3062-3068.	2.2	9

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19	Deposition of ZnO-Valinomycin Film on Al Substrate for the Detection of K^{+} in KOH Solution. Nanoscience and Nanotechnology Letters, 2014, 6, 216-220.	0.4	2
20	Performance Evaluation of ZnO Coated Film on Al and Ag Electrodes for Potassium Sensing Applications. Advanced Science Letters, 2014, 20, 597-600.	0.2	0
21	Characterization of ZnO-ISFET for Bio-Sensor Application. Advanced Science Letters, 2014, 20, 671-675.	0.2	0
22	Development of working electrode for sensor application using ZnO film. , 2013, , .		2