

Vimala Juliet A

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4162461/vimala-juliet-a-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62
papers

292
citations

9
h-index

14
g-index

74
ext. papers

422
ext. citations

1.7
avg, IF

4.15
L-index

#	Paper	IF	Citations
62	Improved photocurrent properties of La doped CuO thin films coated by nebulizer spray pyrolysis method for photosensor applications. <i>Optical Materials</i> , 2021 , 111790	3.3	0
61	Fabrication of Cost-Effective Nebulizer Sprayed In ₂ S ₃ Thin Films for Photodetector Applications. <i>Journal of Electronic Materials</i> , 2021 , 50, 4373-4380	1.9	1
60	Improved UV Photodetection of Terbium-doped NiO thin films prepared by cost-effective nebulizer spray technique. <i>Materials Science in Semiconductor Processing</i> , 2021 , 127, 105673	4.3	8
59	Predictive analysis of identification and disease condition monitoring using bioimpedance data. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 12, 2955-2963	3.7	1
58	A computational study of a chemical gas sensor utilizing Pd-rGO composite on SnO thin film for the detection of NO. <i>Scientific Reports</i> , 2021 , 11, 970	4.9	8
57	Suitability of PEG capped carboxylic acid terminated fluorescent ZnS nanoparticles for NDV peptide binding. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 2337-2346	3.3	0
56	New insights on temperature dependent electrical properties of samarium doped tin oxide thin films. <i>Journal of Physics: Conference Series</i> , 2021 , 2007, 012069	0.3	
55	An effect of precursor concentrations on the photodetection capabilities of CdS thin films for high-efficiency visible-light photodetector applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	9
54	Palladium-Doped Tin Oxide Nanosensor for the Detection of the Air Pollutant Carbon Monoxide Gas. <i>Sensors</i> , 2020 , 20,	3.8	2
53	A lifetime-enhancing cooperative data gathering and relaying algorithm for cluster-based wireless sensor networks. <i>International Journal of Distributed Sensor Networks</i> , 2020 , 16, 155014771990011	1.7	9
52	Development of multiple plug-in electric vehicle mobile charging station using bidirectional converter. <i>International Journal of Power Electronics and Drive Systems</i> , 2020 , 11, 785	1.5	4
51	Simulation of Signal Generation and Measuring Circuit and Real Time IoT Based Electrical Bio Impedance Cardiac Monitoring System. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 701-706	0.4	2
50	Concentrated solar thermal energy harvesting using Bi ₂ Te ₃ based thermoelectric generator. <i>Materials Science in Semiconductor Processing</i> , 2020 , 107, 104782	4.3	10
49	MEMS based Heavy Metal: Mercury and Cadmium Ion Detection in Laminar flow of water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 912, 042065	0.4	
48	Online action recognition from RGB-D cameras based on reduced basis decomposition. <i>Journal of Real-Time Image Processing</i> , 2020 , 17, 341-356	1.9	4
47	Development of Charging System for Multiple Electric Vehicle Using Bidirectional DCDC BuckBoost Converter. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 413-423	0.2	2
46	Photovoltaic Integrated Hybrid Microgrid Structured Electric Vehicle Charging Station and Its Energy Management Approach. <i>Energies</i> , 2019 , 12, 168	3.1	48

45	Cross Interference Minimization and Simultaneous Wireless Power Transfer to Multiple Frequency Loads Using Frequency Bifurcation Approach. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10898-10909	7.3	17
44	Capacitor-Less High-Strength Resonant Wireless Power Transfer Using Open Bifilar Spiral Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-8	1.8	10
43	Effect of annealing on humidity sensing properties of Sm-doped SnO ₂ thin films. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 5862-5866	5.5	3
42	Performance Enhancement of Reconfigurable Micro Strip Patch Antennae Using Metamaterials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 590, 012056	0.4	
41	Effect of Sm doping and annealing on magnetic and structural properties of sputter deposited SnO ₂ thin films. <i>Materials Research Express</i> , 2018 , 5, 064004	1.7	2
40	Frequency Splitting Elimination and Cross-Coupling Rejection of Wireless Power Transfer to Multiple Dynamic Receivers. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 179	2.6	9
39	IoT-Enabled Home Cage With Three-Dimensional Resonant Wireless Power and Data Transfer Scheme for Freely Moving Animal. <i>IEEE Sensors Journal</i> , 2018 , 18, 8154-8161	4	7
38	Design and Fabrication of Temperature Sensor for Weather Monitoring System using MEMS Technology. <i>Oriental Journal of Chemistry</i> , 2018 , 34, 2510-2516	0.8	1
37	MEMS Based Humidity Sensor with Integration of Temperature Sensor. <i>Materials Today: Proceedings</i> , 2018 , 5, 10728-10737	1.4	9
36	Frequency Splitting-Based Wireless Power Transfer and Simultaneous Propulsion Generation to Multiple Micro-Robots. <i>IEEE Sensors Journal</i> , 2018 , 18, 5566-5575	4	23
35	Comparative analysis of 2D and 3D model of a PEMFC in COMSOL. <i>Applied Surface Science</i> , 2017 , 418, 99-102	6.7	10
34	Class E Power Amplifier Design and Optimization for the Capacitive Coupled Wireless Power Transfer System in Biomedical Implants. <i>Energies</i> , 2017 , 10, 1409	3.1	17
33	Optimization of Micro Thermoelectric Generator for Renewable Source of Energy. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 1287-1295	0.4	
32	ANFIS Controller for Water Level Control of a Boiler Drum. <i>International Journal of Intelligent Engineering and Systems</i> , 2016 , 9, 1-10	1.6	5
31	Frequency Split Elimination of Short Range Wireless Power Transfer System by Active Matching Tuning Circuit. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	1
30	Optimal Site Selection for Electric Vehicles Inductive Charging Station in a Car Park Infrastructure. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	1
29	Novel Design and Performance Analysis of Rectangular Frequency Reconfigurable Micro Strip Patch Antenna using Line Feed technique for Wireless Applications. <i>Indian Journal of Science and Technology</i> , 2016 , 9,	1	4
28	Identifying Sound of RPW In Situ from External Sources. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 681-691	0.4	3

27	AN ENHANCED ROUTE FAILURE RECOVERY MODEL FOR MOBILE AD HOC NETWORKS. <i>Journal of Computer Science</i> , 2014 , 10, 1561-1568	0.5	2
26	A Low Temperature Co-Fired Ceramic Microfluidic Cell Counter. <i>Applied Mechanics and Materials</i> , 2014 , 592-594, 2261-2266	0.3	
25	A Novel Magneto-Fluorescent Biosensor for the Detection of Pathogens in Food. <i>Advanced Materials Research</i> , 2014 , 984-985, 1074-1079	0.5	
24	Experimental analysis of thermoelectric generator using solar energy 2014 ,		2
23	Optimization of MEMS Accelerometer Parameter with Combination of Artificial Bee Colony (ABC) Algorithm and Particle Swarm Optimization (PSO). <i>Journal of Artificial Intelligence</i> , 2014 , 7, 69-81		3
22	A Novel Method of using Magnetic Nanoparticles with Congo Red Dye for the Rapid Capture and Detection of Human Pathogens in Food. <i>Asian Journal of Applied Sciences</i> , 2014 , 7, 792-797	0.4	
21	2013 ,		1
20	Micro thermoelectric generator [A source of clean energy 2013 ,		2
19	Modeling and Analysis of Thin Film PolySi Diaphragm Pressure Sensor. <i>Arabian Journal for Science and Engineering</i> , 2013 , 38, 679-683		2
18	Simulation of MEMS Cantilever Biosensor and Analysis of Readout Methods for Tuberculosis Detection. <i>Applied Mechanics and Materials</i> , 2013 , 376, 428-433	0.3	0
17	A Novel Design Approach of Reconfigurable Patch Antenna for Wireless Applications. <i>Applied Mechanics and Materials</i> , 2013 , 336-338, 1935-1938	0.3	2
16	MEMS Accelerometer Design Optimization Using Genetic Algorithm. <i>Advanced Materials Research</i> , 2013 , 705, 288-294	0.5	3
15	A Novel Approach to Identify Red Palm Weevil on Palms. <i>Advanced Materials Research</i> , 2013 , 634-638, 3853-3857	0.5	4
14	Wireless implementation of mems accelerometer to detect red palm weevil on palms 2013 ,		5
13	Piezoresistive Type Biosensor using a MEMS Cantilever for Detection of Tuberculosis. <i>I-manager's Journal on Electronics Engineering</i> , 2013 , 3, 27-32	0.3	1
12	CO ₂ Gas Sensor Using Resonant Frequency Changes in Micro-Cantilever. <i>Lecture Notes in Electrical Engineering</i> , 2013 , 75-80	0.2	4
11	Toxic gas sensor using resonant frequency variation in micro-cantilever 2012 ,		1
10	Analysis of Sensitivity and Linearity of SiGe MEMS Piezoresistive Pressure Sensor. <i>Applied Mechanics and Materials</i> , 2012 , 241-244, 1024-1027	0.3	3

9	Analysis and Optimization of Sensitivity of a MEMS Piezoresistive Pressure Sensor. <i>Advanced Materials Research</i> , 2012 , 548, 652-656	0.5	3
8	Simulation of Low Pressure MEMS Sensor for Biomedical Application. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2011 , 2,		2
7	Performance analysis and validation of sensitivity of piezoresistive MEMS pressure sensor 2011 ,		2
6	Multi band microstrip patch antenna for satellite communication 2010 ,		1
5	Detection of pest infestation by preprocessing sound using vector quantization 2010 ,		1
4	Extraction of feature from the acoustic activity of RPW using MFCC 2010 ,		2
3	Design and simulation of touch mode MEMS capacitive pressure sensor 2010 ,		7
2	Mathematical Modeling of Neuro-Controlled Bionic Arm 2009 ,		4
1	Design and Analysis of DGS Based Miniaturized Compound Reconfigurable Asymmetrical Micro Strip Fractal Array Antenna for L, S and C Band Applications. <i>Wireless Personal Communications</i> ,1	1.9	0