

Vimala Juliet A

List of Publications by Citations

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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	Photovoltaic Integrated Hybrid Microgrid Structured Electric Vehicle Charging Station and Its Energy Management Approach. <i>Energies</i> , 2019 , 12, 168	3.1	48
61	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
60	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	7.2	17
59	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
58	Comparative analysis of 2D and 3D model of a PEMFC in COMSOL. <i>Applied Surface Science</i> , 2017 , 418, 99-102	6.7	10
57	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
56	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
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	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
53	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
52	MEMS Based Humidity Sensor with Integration of Temperature Sensor. <i>Materials Today: Proceedings</i> , 2018 , 5, 10728-10737	1.4	9
51	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
50	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
49	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
48	Design and simulation of touch mode MEMS capacitive pressure sensor 2010 ,		7
47	Wireless implementation of mems accelerometer to detect red palm weevil on palms 2013 ,		5
46	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

45	A Novel Approach to Identify Red Palm Weevil on Palms. <i>Advanced Materials Research</i> , 2013 , 634-638, 3853-3857	0.5	4
44	Mathematical Modeling of Neuro-Controlled Bionic Arm 2009 ,		4
43	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
42	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
41	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
40	CO ₂ Gas Sensor Using Resonant Frequency Changes in Micro-Cantilever. <i>Lecture Notes in Electrical Engineering</i> , 2013 , 75-80	0.2	4
39	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
38	MEMS Accelerometer Design Optimization Using Genetic Algorithm. <i>Advanced Materials Research</i> , 2013 , 705, 288-294	0.5	3
37	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
36	Analysis and Optimization of Sensitivity of a MEMS Piezoresistive Pressure Sensor. <i>Advanced Materials Research</i> , 2012 , 548, 652-656	0.5	3
35	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
34	Identifying Sound of RPW In Situ from External Sources. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 681-691	0.4	3
33	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
32	Palladium-Doped Tin Oxide Nanosensor for the Detection of the Air Pollutant Carbon Monoxide Gas. <i>Sensors</i> , 2020 , 20,	3.8	2
31	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
30	Micro thermoelectric generator [A source of clean energy 2013 ,		2
29	AN ENHANCED ROUTE FAILURE RECOVERY MODEL FOR MOBILE AD HOC NETWORKS. <i>Journal of Computer Science</i> , 2014 , 10, 1561-1568	0.5	2
28	Experimental analysis of thermoelectric generator using solar energy 2014 ,		2

27	Modeling and Analysis of Thin Film PolySi Diaphragm Pressure Sensor. <i>Arabian Journal for Science and Engineering</i> , 2013 , 38, 679-683		2
26	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
25	Simulation of Low Pressure MEMS Sensor for Biomedical Application. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2011 , 2,		2
24	Performance analysis and validation of sensitivity of piezoresistive MEMS pressure sensor 2011 ,		2
23	Extraction of feature from the acoustic activity of RPW using MFCC 2010 ,		2
22	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
21	2013 ,		1
20	Toxic gas sensor using resonant frequency variation in micro-cantilever 2012 ,		1
19	Multi band microstrip patch antenna for satellite communication 2010 ,		1
18	Detection of pest infestation by preprocessing sound using vector quantization 2010 ,		1
17	Piezoresistive Type Biosensor using a MEMS Cantilever for Detection of Tuberculosis. <i>I-manager Journal on Electronics Engineering</i> , 2013 , 3, 27-32	0.3	1
16	Fabrication of Cost-Effective Nebulizer Sprayed In2S3 Thin Films for Photodetector Applications. <i>Journal of Electronic Materials</i> , 2021 , 50, 4373-4380	1.9	1
15	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
14	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
13	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
12	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
11	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
10	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

9	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	o
8	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	o
7	Optimization of Micro Thermoelectric Generator for Renewable Source of Energy. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 1287-1295	0.4	
6	A Low Temperature Co-Fired Ceramic Microfluidic Cell Counter. <i>Applied Mechanics and Materials</i> , 2014 , 592-594, 2261-2266	0.3	
5	A Novel Magneto-Fluorescent Biosensor for the Detection of Pathogens in Food. <i>Advanced Materials Research</i> , 2014 , 984-985, 1074-1079	0.5	
4	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	
3	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	
2	Performance Enhancement of Reconfigurable Micro Strip Patch Antennae Using Metamaterials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 590, 012056	0.4	
1	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	