Tanmoy Maity

List of Publications by Year
in descending order

29 papers	269 citations	1307594 7 h-index	1125743 13 g-index
29 all docs	29 docs citations	29 times ranked	172 citing authors

#	Article	IF	Citations
1	Wireless Communication and Environment Monitoring in Underground Coal Mines â€" Review. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2015, 32, 140-150.	3.2	60
2	Vehicle detection in intelligent transport system under a hazy environment: a survey. IET Image Processing, 2020, 14, 1-10.	2.5	35
3	Low Cost Low Power Smart Helmet for Real-Time Remote Underground Mine Environment Monitoring. Wireless Personal Communications, 2018, 102, 149-162.	2.7	21
4	A wireless surveillance and safety system for mine workers based on Zigbee. , 2012, , .		18
5	An improved statistical approach for moving object detection in thermal video frames. Multimedia Tools and Applications, 2022, 81, 9289-9311.	3.9	16
6	Traffic sign detection and classification using colour feature and neural network. , 2016, , .		15
7	Capacitorâ€sharing twoâ€output seriesâ€resonant inverter for induction cooking application. IET Power Electronics, 2016, 9, 2240-2248.	2.1	13
8	Design and Control of Grid-Connected PWM Rectifiers by Optimizing Fractional Order PI Controller Using Water Cycle Algorithm. IEEE Access, 2021, 9, 125941-125954.	4.2	13
9	Intelligent Online Measurement and Management of Energy Meter Data through Advanced Wireless Network. , 2011, , .		8
10	A novel dc busâ€signaling based power management strategy for dc microgrid. International Transactions on Electrical Energy Systems, 2021, 31, e12758.	1.9	8
11	Z-source inverter based control of wind power. , 2011, , .		7
12	Study of the suitability of recently proposed quasi Z-source inverter for wind power conversion. , 2014, , .		7
13	IRU-Net: An Efficient End-to-End Network for Automatic Building Extraction From Remote Sensing Images. IEEE Access, 2022, 10, 37811-37828.	4.2	7
14	Early detection of foot ulceration in type II diabetic patient using registration method in infrared images and descriptive comparison with deep learning methods. Journal of Supercomputing, 2022, 78, 13409-13426.	3.6	7
15	A novel three phase energy meter model with wireless data reading and online billing solution. , 2011, , .		5
16	Succussed Serial Dilutions in Water Carry Solute Information via Solute-Specific Water Structuresâ€"A Theory Based on Quantum Electrodynamics. Homeopathy, 2021, 110, 277-282.	1.0	4
17	Design and simulation of a novel single phase to three phase wind power converter. , 2012, , .		3
18	Real-time performance analysis of modified z-source inverter-fed induction motor drives using xilinx system generator. EPE Journal (European Power Electronics and Drives Journal), 2016, 26, 142-152.	0.7	3

#	Article	IF	Citations
19	A novel SIMULINK-based model for comprehensive analysis and comparison of different inverter PWM techniques. , 2016, , .		3
20	Control of active and reactive power of grid connected inverter using adaptive network based fuzzy inference system (ANFIS). , 2016, , .		3
21	A Multi-Level Approach for Change Detection of Buildings Using Satellite Imagery. International Journal on Artificial Intelligence Tools, 2018, 27, 1850031.	1.0	3
22	Optimization of energy use for mine ventilation fan with variable speed drive. , 2016, , .		2
23	Energy saving possibilities of mine ventilation fan using particle swarm optimization. , 2016, , .		2
24	Real-time performance evaluation of quasi z-source inverter for induction motor drives. , 2017, , .		2
25	A Fuzzy-Based Coordinated Power Management Strategy for Voltage Regulation and State-of-Charge Balancing in Multiple Subgrid-Based DC Microgrid. International Transactions on Electrical Energy Systems, 2022, 2022, 1-17.	1.9	2
26	Design of a stable and efficient Z-source ac-ac converter using small signal analysis. , 2015, , .		1
27	Control of standalone Wind/PV hybrid renewable power generation. , 2016, , .		1
28	FPGA-based design and implementation of DTC and regenerative braking control of ZSI-Fed an induction motor drive. , 2016, , .		0
29	Real-time performance analysis of a STATCOM-based automatic power factor maintenance system using xilinx system generator. , 2018, , .		0