Sitharthan R

List of Publications by Year
in descending order

38 papers	1,529 citations	394421 19 h-index	330143 37 g-index
41 all docs	41 docs citations	41 times ranked	523 citing authors

#	Article	IF	Citations
1	Adaptive hybrid intelligent MPPT controller to approximate effectual wind speed and optimal rotor speed of variable speed wind turbine. ISA Transactions, 2020, 96, 479-489.	5.7	130
2	Automated power management strategy for wind power generation system using pitch angle controller. Measurement and Control, 2019, 52, 169-182.	1.8	117
3	Adaptive protection scheme for smart microgrid with electronically coupled distributed generations. AEJ - Alexandria Engineering Journal, 2016, 55, 2539-2550.	6.4	111
4	Improved fault ride through capability of DFIG-wind turbines using customized dynamic voltage restorer. Sustainable Cities and Society, 2018, 39, 114-125.	10.4	100
5	An improved radial basis function neural network control strategy-based maximum power point tracking controller for wind power generation system. Transactions of the Institute of Measurement and Control, 2019, 41, 3158-3170.	1.7	88
6	An Levenberg–Marquardt trained feed-forward back-propagation based intelligent pitch angle controller for wind generation system. Renewable Energy Focus, 2017, 22-23, 24-32.	4.5	87
7	An adaptive Elman neural network with C-PSO learning algorithm based pitch angle controller for DFIG based WECS. JVC/Journal of Vibration and Control, 2017, 23, 716-730.	2.6	79
8	Compact multiband CPW fed monopole antenna with square ring and T–shaped strips. Microwave and Optical Technology Letters, 2020, 62, 926-932.	1.4	68
9	Application of the superconducting fault current limiter strategy to improve the fault ride-through capability of a doubly-fed induction generator–based wind energy conversion system. Simulation, 2015, 91, 1081-1087.	1.8	66
10	Analysis on smart material suitable for autogenous microelectronic application. Materials Research Express, 2019, 6, 105709.	1.6	66
11	Compact four-port circulator based on 2D photonic crystals with a 90° rotation of the light wave for photonic integrated circuits applications. Laser Physics, 2019, 29, 066201.	1.2	66
12	New Clustering-Based Semantic Service Selection and User Preferential Model. IEEE Systems Journal, 2021, 15, 4980-4988.	4.6	59
13	Piezoelectric energy harvester converting wind aerodynamic energy into electrical energy for microelectronic application. IET Renewable Power Generation, 2021, 15, 1968-1975.	3.1	59
14	A New Approach to Optimal Location and Sizing of DSTATCOM in Radial Distribution Networks Using Bio-Inspired Cuckoo Search Algorithm. Energies, 2020, 13, 4615.	3.1	57
15	Intelligent Robotic Chair With Thought Control and Communication Aid Using Higher Order Spectra Band Features. IEEE Sensors Journal, 2022, 22, 17362-17369.	4.7	55
16	Comparative analysis of distributive linear and non-linear optimised spectrum sensing clustering techniques in cognitive radio network systems. IET Networks, 2020, , .	1.8	50
17	Performance investigation of 16/32-channel DWDM PON and long-reach PON systems using an ASE noise source. , 2019, , 93-99.		50
18	Torque ripple minimization of <scp>PMSM</scp> using an adaptive Elman neural network–controlled feedback linearization–based direct torque control strategy. International Transactions on Electrical Energy Systems, 2021, 31, .	1.9	49

#	Article	IF	Citations
19	Design and Modeling of Hybrid DC/AC Microgrid With Manifold Renewable Energy Sources. Canadian Journal of Electrical and Computer Engineering, 2021, 44, 130-135.	2.0	21
20	Reinforcing Communication on the Internet of Aerial Vehicles. IEEE Transactions on Green Communications and Networking, 2022, 6, 1288-1297.	5.5	21
21	Applying AI in Power Electronics for Renewable Energy Systems [Expert View]. IEEE Power Electronics Magazine, 2020, 7, 66-67.	0.7	20
22	Photonic crystal based all-optical half adder: a brief analysis. Laser Physics, 2020, 30, 116205.	1.2	20
23	Exploration of Wind Energy in India: A Short Review. , 2018, , .		12
24	Flexible compact system for wearable health monitoring applications. Computers and Electrical Engineering, 2022, 102, 108130.	4.8	11
25	Assessing nitrogen dioxide (NO2) impact on health pre- and post-COVID-19 pandemic using IoT in India. International Journal of Pervasive Computing and Communications, 2022, 18, 476-484.	1.3	10
26	Genomic sequence analysis of lung infections using artificial intelligence technique. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 192-200.	3.6	8
27	Stacked T-Shaped Strips Compact Antenna for WLAN and WiMAX Applications. Wireless Personal Communications, 2022, 123, 1523-1536.	2.7	8
28	Scene terrain classification for autonomous vehicle navigation based on semantic segmentation method. Transactions of the Institute of Measurement and Control, 2022, 44, 2574-2587.	1.7	7
29	Image fusion and enhancement based on energy of the pixel using Deep Convolutional Neural Network. Multimedia Tools and Applications, 2022, 81, 873-885.	3.9	5
30	Power quality enhancement in microgrid using adaptive affine projection controlled medium voltage distribution static compensator. Sustainable Energy Technologies and Assessments, 2022, 52, 102185.	2.7	5
31	Visualization and Classification of Diseases using Deep Learning Based Convolution Neural Network. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012053.	0.6	4
32	UAV based Mapping System for Precision Agriculture. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012035.	0.6	2
33	E-waste management using game theory concept. Environmental Science and Pollution Research, 2022, 29, 19919-19919.	5.3	2
34	Liquid metal level measurement techniques. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012027.	0.6	1
35	A Review on Power Electronics and Drives in Electric Propulsion System. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012050.	0.6	1
36	SVM Based Reduction of Input Current Harmonics in Three Phase Rectifier. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012058.	0.6	1

#	Article	IF	Citations
37	Performance Enhancement of an Economically Operated DC Microgrid With a Neural Network–Based Tri-Port Converter for Rural Electrification. Frontiers in Energy Research, 0, 10, .	2.3	1
38	A Contemporary Outlook on Wireless Sensor Networks for Solar Power Harvesting. Revista Ingenio, 2022, 19, 31-36.	0.3	0