

Sitharthan R

List of Publications by Year in descending order

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38
papers

1,529
citations

394421

19
h-index

330143

37
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41
all docs

41
docs citations

41
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing nitrogen dioxide (NO ₂) 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
2	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
3	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
4	Stacked T-Shaped Strips Compact Antenna for WLAN and WiMAX Applications. Wireless Personal Communications, 2022, 123, 1523-1536.	2.7	8
5	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
6	E-waste management using game theory concept. Environmental Science and Pollution Research, 2022, 29, 19919-19919.	5.3	2
7	A Contemporary Outlook on Wireless Sensor Networks for Solar Power Harvesting. Revista Ingenio, 2022, 19, 31-36.	0.3	0
8	Reinforcing Communication on the Internet of Aerial Vehicles. IEEE Transactions on Green Communications and Networking, 2022, 6, 1288-1297.	5.5	21
9	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
10	Flexible compact system for wearable health monitoring applications. Computers and Electrical Engineering, 2022, 102, 108130.	4.8	11
11	New Clustering-Based Semantic Service Selection and User Preferential Model. IEEE Systems Journal, 2021, 15, 4980-4988.	4.6	59
12	Torque ripple minimization of PMSM 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
13	Genomic sequence analysis of lung infections using artificial intelligence technique. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 192-200.	3.6	8
14	Piezoelectric energy harvester converting wind aerodynamic energy into electrical energy for microelectronic application. IET Renewable Power Generation, 2021, 15, 1968-1975.	3.1	59
15	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
16	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
17	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
18	Liquid metal level measurement techniques. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012027.	0.6	1

#	ARTICLE	IF	CITATIONS
19	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
20	Applying AI in Power Electronics for Renewable Energy Systems [Expert View]. IEEE Power Electronics Magazine, 2020, 7, 66-67.	0.7	20
21	UAV based Mapping System for Precision Agriculture. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012035.	0.6	2
22	A Review on Power Electronics and Drives in Electric Propulsion System. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012050.	0.6	1
23	SVM Based Reduction of Input Current Harmonics in Three Phase Rectifier. IOP Conference Series: Materials Science and Engineering, 2020, 937, 012058.	0.6	1
24	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
25	Comparative analysis of distributive linear and non-linear optimised spectrum sensing clustering techniques in cognitive radio network systems. IET Networks, 2020, , .	1.8	50
26	Photonic crystal based all-optical half adder: a brief analysis. Laser Physics, 2020, 30, 116205.	1.2	20
27	Analysis on smart material suitable for autogenous microelectronic application. Materials Research Express, 2019, 6, 105709.	1.6	66
28	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
29	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
30	Automated power management strategy for wind power generation system using pitch angle controller. Measurement and Control, 2019, 52, 169-182.	1.8	117
31	Performance investigation of 16/32-channel DWDM PON and long-reach PON systems using an ASE noise source. , 2019, , 93-99.		50
32	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
33	Exploration of Wind Energy in India: A Short Review. , 2018, , .		12
34	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
35	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
36	Adaptive protection scheme for smart microgrid with electronically coupled distributed generations. AEJ - Alexandria Engineering Journal, 2016, 55, 2539-2550.	6.4	111

#	ARTICLE	IF	CITATIONS
37	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
38	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