Edward Rajan S

List of Publications by Year
in descending order

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67	961	567281 15	477307 29
papers	citations	h-index	g-index

70	70	70	994
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smart-Monitor: Patient Monitoring System for IoT-Based Healthcare System Using Deep Learning. IETE Journal of Research, 2022, 68, 1435-1442.	2.6	48
2	Investigation of Thermoelectric Generator with Power Converter for Energy Harvesting Applications. IETE Journal of Research, 2022, 68, 2191-2203.	2.6	3
3	Classifier Feature Fusion Using Deep Learning Model for Non-Invasive Detection of Oral Cancer from Hyperspectral Image. IETE Journal of Research, 2022, 68, 4031-4042.	2.6	4
4	Realâ€time dataâ€driven PID controller for multivariable process employing deep neural network. Asian Journal of Control, 2022, 24, 3240-3251.	3.0	6
5	ANFIS-Based MPPT Controller of the Thermoelectric Energy Harvesting System for DC Micro-grid Applications. Arabian Journal for Science and Engineering, 2021, 46, 1137-1154.	3.0	4
6	Computerâ€assisted demandâ€side energy management in residential smart grid employing novel pooling deep learning algorithm. International Journal of Energy Research, 2021, 45, 7961-7973.	4.5	15
7	Power System Resiliency and Wide Area Control Employing Deep Learning Algorithm. Computers, Materials and Continua, 2021, 68, 553-567.	1.9	5
8	Investigation of novel thermoelectric sensor array configurations operating under nonâ€uniform temperature distribution conditions for the measurement of maximum output power in an energy harvesting system. IET Science, Measurement and Technology, 2021, 15, 446-458.	1.6	6
9	Effective textile quality processing and an accurate inspection system using the advanced deep learning technique. Textile Reseach Journal, 2020, 90, 971-980.	2.2	32
10	Investigation of the double input power converter with N stages of voltage multiplier using PSOâ€based MPPT technique for the thermoelectric energy harvesting system. International Journal of Circuit Theory and Applications, 2020, 48, 435-448.	2.0	19
11	Modeling and Analysis of Thermoelectric Energy Harvesting System with High-Gain Power Converter. Journal of Control, Automation and Electrical Systems, 2020, 31, 367-376.	2.0	2
12	Highâ€performance dynamic magnetic resonance image reconstruction and synthesis employing deep feature learning convolutional networks. International Journal of Imaging Systems and Technology, 2020, 30, 380-390.	4.1	4
13	Fog Computing Employed Computer Aided Cancer Classification System Using Deep Neural Network in Internet of Things Based Healthcare System. Journal of Medical Systems, 2020, 44, 34.	3.6	32
14	Smart grid security enhancement by detection and classification of <scp>nonâ€technical</scp> losses employing deep learning algorithm. International Transactions on Electrical Energy Systems, 2020, 30, e12521.	1.9	12
15	Dynamic image reconstruction and synthesis framework using deep learning algorithm. IET Image Processing, 2020, 14, 1219-1226.	2.5	8
16	Architectural framework of a group key management system for enhancing eâ€healthcare data security. Healthcare Technology Letters, 2020, 7, 13-17.	3.3	9
17	Application of fuzzy logic-based MPPT technique for harvesting the heat energy dissipated by the wind generator stator windings to power single-phase AC grid systems. Neural Computing and Applications, 2020, 32, 15155-15170.	5.6	7
18	IoT-Based Energy Monitoring and Controlling of an Optimum Inclination Angle of the Solar Panels. IETE Journal of Research, 2020, , 1-11.	2.6	6

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19	Adaptive machine learning algorithm employed statistical signal processing for classification of ECG signal and myoelectric signal. Multidimensional Systems and Signal Processing, 2020, 31, 1299-1316.	2.6	1
20	Investigation of a novel multiâ€inputâ€singleâ€output DCâ€“DC converter topology with GWOâ€based MPPT controller for energy harvesting using Seebeck generators at different thermal gradients. IET Power Electronics, 2020, 13, 4098-4111.	2.1	5
21	An intelligent approach for dynamic load frequency control with hybrid energy storage system. Australian Journal of Electrical and Electronics Engineering, 2019, 16, 266-275.	1.2	12
22	An Integrated SiGe Based Thermoelectric Generator with Parabolic Trough Collector Using Nano HTF for Effective Harvesting of Solar Radiant Energy. Journal of Electronic Materials, 2019, 48, 7780-7791.	2.2	6
23	Computer vision for automatic detection and classification of fabric defect employing deep learning algorithm. International Journal of Clothing Science and Technology, 2019, 31, 510-521.	1.1	57
24	Analysis of Bi-Te Based Thermoelectric Modules Connected to Square Seriesâ€“Parallel Configuration with Isolated Power Electronics Converter for DC Micro-grid Applications. Journal of Electronic Materials, 2019, 48, 5497-5509.	2.2	5
25	ResNet Convolution Neural Network Based Hyperspectral Imagery Classification for Accurate Cancerous Region Detection. , 2019, , .		1
26	Deep Boltzmann machine algorithm for accurate medical image analysis for classification of cancerous region. Cognitive Computation and Systems, 2019, 1, 85-90.	1.4	18
27	Computer-assisted medical image classification for early diagnosis of oral cancer employing deep learning algorithm. Journal of Cancer Research and Clinical Oncology, 2019, 145, 829-837.	2.5	196
28	A Novel Robust Medical Image Watermarking Employing Firefly Optimization for Secured Telemedicine. Journal of Medical Imaging and Health Informatics, 2019, 9, 1373-1381.	0.3	5
29	Privacy Protection of Patient Medical Images using Digital Watermarking Technique for E-healthcare System. Current Medical Imaging, 2019, 15, 802-809.	0.8	8
30	An Internet of Things based physiological signal monitoring and receiving system for virtual enhanced health care network. Technology and Health Care, 2018, 26, 379-385.	1.2	22
31	Investigation of thermoelectric generators connected in different configurations for micro-grid applications. International Journal of Energy Research, 2018, 42, 2290-2301.	4.5	18
32	Performance analysis of swarm intelligence algorithms in removal of ECG artefact from tainted EEG signal. Automatika, 2018, 59, 408-415.	2.0	4
33	Efficiency enhancement of solar PV powered micro-integrated high frequency isolated vehicle battery charging converter. International Journal of Power Electronics and Drive Systems, 2018, 10, 953.	0.6	2
34	Performance analysis of high gain isolated soft switched DC-DC converter for thermoelectric energy harvesting system using MPPT control strategies. , 2016, , .		3
35	Performance analysis of coupled inductor active network converter for photovoltaic energy harvesting system using fuzzy based MPPT control techniques. , 2016, , .		1
36	Investigation of 3-Z-network boost converter for photovoltaic power generation system using MPPT control strategies. , 2016, , .		0

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37	Performance evaluation of non-isolated high step-up DC-DC converter for thermoelectric energy harvesting system using MPPT control techniques. , 2016, , .		2
38	Analysis of PV module connected in different configurations under uniform and non-uniform solar radiations. International Journal of Green Energy, 2016, 13, 1507-1516.	3.8	27
39	Investigation of High gain MIC power converter for multicrystal PV module employing fuzzy logic technique. Automatika, 2016, 57, 627-637.	2.0	2
40	A novel approach for the elimination of artefacts from EEG signals employing an improved Artificial Immune System algorithm. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 239-259.	2.8	8
41	Managing of Smart Micro-Grid Connected Scheme Using Group Search Optimization. Circuits and Systems, 2016, 07, 3095-3111.	0.1	1
42	Efficiency Evaluation of a MOSFET bridge rectifier for Powering LEDs using Piezo-electric Energy Harvesting Systems. Automatika, 2016, 57, .	2.0	0
43	Investigation of the effects of homogeneous and heterogeneous solar irradiations on multicrystal PV module under various configurations. IET Renewable Power Generation, 2015, 9, 245-254.	3.1	15
44	Performance evaluation of multiport DC-DC converter for simultaneous power management of multiple PV-modules application. , 2015, , .		3
45	Performance evaluation of high efficiency thermoelectric SIMO converter. , 2015, , .		0
46	Performance evaluation of single switch high frequency resonant power converter for alternative energy sources. , 2015, , .		1
47	A novel embedding technique for lossless data hiding in medical images employing histogram shifting method. International Journal of Wavelets, Multiresolution and Information Processing, 2014, 12, 1450026.	1.3	0
48	Evolutionary computing based approach for the removal of ECG artifact from the corrupted EEG signal. Technology and Health Care, 2014, 22, 835-846.	1.2	7
49	Performance analysis of high gain DC-DC boost converter for thermoelectric power generation system. , 2014, , .		5
50	Diagnosis of diabetic retinopathy by employing image processing technique to detect exudates in retinal images. IET Image Processing, 2014, 8, 601-609.	2.5	55
51	Computerized screening of diabetic retinopathy employing blood vessel segmentation in retinal images. Biocybernetics and Biomedical Engineering, 2014, 34, 117-124.	5.9	105
52	Performance analysis of interleaved DC-DC boost converter for Photo-Voltaic power generation systems. , 2014, , .		8
53	An intelligent framework for medical image retrieval using MDCT and multi SVM. Technology and Health Care, 2014, 22, 13-25.	1.2	1
54	Retinal vessel segmentation employing ANN technique by Gabor and moment invariants-based features. Applied Soft Computing Journal, 2014, 22, 94-100.	7.2	51

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55	Constant output under transient condition in wind turbine using novel boost converter. , 2013, , .		0
56	Removal of artifact from EEG signal using differential evolution algorithm. , 2013, , .		8
57	An automated retinal imaging method for the early diagnosis of diabetic retinopathy. Technology and Health Care, 2013, 21, 557-569.	1.2	7
58	Performance evaluation of a magnetically coupled DC -DC converter for photovoltaic energy systems. , 2013, , .		0
59	[Various welcome messages]. , 2013, , .		0
60	An efficient soft-computing technique for extraction of EEG signal from tainted EEG signal. Applied Soft Computing Journal, 2012, 12, 1131-1137.	7.2	13
61	Design and analysis of high frequency Soft-Switching Boost Converter employing Electronic PI-Controller. , 2011, , .		2
62	Performance analysis of PV module connected in various configurations under uniform and non-uniform solar radiation conditions. , 2011, , .		3
63	Performance evaluation of Inverter topology employing Controlled-Capacitor-Charging technique. , 2011, , .		1
64	Performance evaluation of different rectifiers for Piezo-electric energy harvesting applications. , 2011, , .		6
65	Investigation of cloudless solar radiation with PV module employing Matlabâ€“Simulink. Solar Energy, 2011, 85, 1727-1734.	6.1	27
66	Modelling and Simulation of Adaptive Digital AC Bridge for Impedance Measurements. International Journal of Modelling and Simulation, 2007, 27, 16-23.	3.3	2
67	Modelling and Simulation of Universal Digital AC Bridge Using Ann Technique. International Journal of Modelling and Simulation, 2006, 26, 137-142.	3.3	0