

# Edward Rajan S

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

961  
citations

567281

15  
h-index

477307

29  
g-index

70  
all docs

70  
docs citations

70  
times ranked

994  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer-assisted medical image classification for early diagnosis of oral cancer employing deep learning algorithm. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 829-837.	2.5	196
2	Computerized screening of diabetic retinopathy employing blood vessel segmentation in retinal images. <i>Biocybernetics and Biomedical Engineering</i> , 2014, 34, 117-124.	5.9	105
3	Computer vision for automatic detection and classification of fabric defect employing deep learning algorithm. <i>International Journal of Clothing Science and Technology</i> , 2019, 31, 510-521.	1.1	57
4	Diagnosis of diabetic retinopathy by employing image processing technique to detect exudates in retinal images. <i>IET Image Processing</i> , 2014, 8, 601-609.	2.5	55
5	Retinal vessel segmentation employing ANN technique by Gabor and moment invariants-based features. <i>Applied Soft Computing Journal</i> , 2014, 22, 94-100.	7.2	51
6	Smart-Monitor: Patient Monitoring System for IoT-Based Healthcare System Using Deep Learning. <i>IETE Journal of Research</i> , 2022, 68, 1435-1442.	2.6	48
7	Effective textile quality processing and an accurate inspection system using the advanced deep learning technique. <i>Textile Reseach Journal</i> , 2020, 90, 971-980.	2.2	32
8	Fog Computing Employed Computer Aided Cancer Classification System Using Deep Neural Network in Internet of Things Based Healthcare System. <i>Journal of Medical Systems</i> , 2020, 44, 34.	3.6	32
9	Investigation of cloudless solar radiation with PV module employing Matlabâ€™Simulink. <i>Solar Energy</i> , 2011, 85, 1727-1734.	6.1	27
10	Analysis of PV module connected in different configurations under uniform and non-uniform solar radiations. <i>International Journal of Green Energy</i> , 2016, 13, 1507-1516.	3.8	27
11	An Internet of Things based physiological signal monitoring and receiving system for virtual enhanced health care network. <i>Technology and Health Care</i> , 2018, 26, 379-385.	1.2	22
12	Investigation of the double input power converter with $N$ stages of voltage multiplier using PSOâ€™based MPPT technique for the thermoelectric energy harvesting system. <i>International Journal of Circuit Theory and Applications</i> , 2020, 48, 435-448.	2.0	19
13	Investigation of thermoelectric generators connected in different configurations for micro-grid applications. <i>International Journal of Energy Research</i> , 2018, 42, 2290-2301.	4.5	18
14	Deep Boltzmann machine algorithm for accurate medical image analysis for classification of cancerous region. <i>Cognitive Computation and Systems</i> , 2019, 1, 85-90.	1.4	18
15	Investigation of the effects of homogeneous and heterogeneous solar irradiations on multicrystal PV module under various configurations. <i>IET Renewable Power Generation</i> , 2015, 9, 245-254.	3.1	15
16	Computerâ€™assisted demandâ€™side energy management in residential smart grid employing novel pooling deep learning algorithm. <i>International Journal of Energy Research</i> , 2021, 45, 7961-7973.	4.5	15
17	An efficient soft-computing technique for extraction of EEG signal from tainted EEG signal. <i>Applied Soft Computing Journal</i> , 2012, 12, 1131-1137.	7.2	13
18	An intelligent approach for dynamic load frequency control with hybrid energy storage system. <i>Australian Journal of Electrical and Electronics Engineering</i> , 2019, 16, 266-275.	1.2	12

#	ARTICLE	IF	CITATIONS
19	Smart grid security enhancement by detection and classification of non-technical losses employing deep learning algorithm. International Transactions on Electrical Energy Systems, 2020, 30, e12521.	1.9	12
20	Architectural framework of a group key management system for enhancing healthcare data security. Healthcare Technology Letters, 2020, 7, 13-17.	3.3	9
21	Removal of artifact from EEG signal using differential evolution algorithm. , 2013, , .		8
22	Performance analysis of interleaved DC-DC boost converter for Photo-Voltaic power generation systems. , 2014, , .		8
23	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
24	Dynamic image reconstruction and synthesis framework using deep learning algorithm. IET Image Processing, 2020, 14, 1219-1226.	2.5	8
25	Privacy Protection of Patient Medical Images using Digital Watermarking Technique for E-healthcare System. Current Medical Imaging, 2019, 15, 802-809.	0.8	8
26	An automated retinal imaging method for the early diagnosis of diabetic retinopathy. Technology and Health Care, 2013, 21, 557-569.	1.2	7
27	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
28	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
29	Performance evaluation of different rectifiers for Piezo-electric energy harvesting applications. , 2011, , .		6
30	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
31	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
32	Investigation of novel thermoelectric sensor array configurations operating under non-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
33	Real-time data-driven PID controller for multivariable process employing deep neural network. Asian Journal of Control, 2022, 24, 3240-3251.	3.0	6
34	Performance analysis of high gain DC-DC boost converter for thermoelectric power generation system. , 2014, , .		5
35	Analysis of Bi-Te Based Thermoelectric Modules Connected to Square Series-Parallel Configuration with Isolated Power Electronics Converter for DC Micro-grid Applications. Journal of Electronic Materials, 2019, 48, 5497-5509.	2.2	5
36	Power System Resiliency and Wide Area Control Employing Deep Learning Algorithm. Computers, Materials and Continua, 2021, 68, 553-567.	1.9	5

#	ARTICLE	IF	CITATIONS
37	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
38	Investigation of a novel multi-input-single-output DC-DC converter topology with GWO-based MPPT controller for energy harvesting using Seebeck generators at different thermal gradients. IET Power Electronics, 2020, 13, 4098-4111.	2.1	5
39	Performance analysis of swarm intelligence algorithms in removal of ECG artefact from tainted EEG signal. Automatika, 2018, 59, 408-415.	2.0	4
40	High-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
41	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
42	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
43	Performance analysis of PV module connected in various configurations under uniform and non-uniform solar radiation conditions. , 2011, , .		3
44	Performance evaluation of multiport DC-DC converter for simultaneous power management of multiple PV-modules application. , 2015, , .		3
45	Performance analysis of high gain isolated soft switched DC-DC converter for thermoelectric energy harvesting system using MPPT control strategies. , 2016, , .		3
46	Investigation of Thermoelectric Generator with Power Converter for Energy Harvesting Applications. IETE Journal of Research, 2022, 68, 2191-2203.	2.6	3
47	Modelling and Simulation of Adaptive Digital AC Bridge for Impedance Measurements. International Journal of Modelling and Simulation, 2007, 27, 16-23.	3.3	2
48	Design and analysis of high frequency Soft-Switching Boost Converter employing Electronic PI-Controller. , 2011, , .		2
49	Performance evaluation of non-isolated high step-up DC-DC converter for thermoelectric energy harvesting system using MPPT control techniques. , 2016, , .		2
50	Investigation of High gain MIC power converter for multicrystal PV module employing fuzzy logic technique. Automatika, 2016, 57, 627-637.	2.0	2
51	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
52	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
53	Performance evaluation of Inverter topology employing Controlled-Capacitor-Charging technique. , 2011, , .		1
54	An intelligent framework for medical image retrieval using MDCT and multi SVM. Technology and Health Care, 2014, 22, 13-25.	1.2	1

#	ARTICLE	IF	CITATIONS
55	Performance evaluation of single switch high frequency resonant power converter for alternative energy sources. , 2015, , .		1
56	Performance analysis of coupled inductor active network converter for photovoltaic energy harvesting system using fuzzy based MPPT control techniques. , 2016, , .		1
57	ResNet Convolution Neural Network Based Hyperspectral Imagery Classification for Accurate Cancerous Region Detection. , 2019, , .		1
58	Managing of Smart Micro-Grid Connected Scheme Using Group Search Optimization. Circuits and Systems, 2016, 07, 3095-3111.	0.1	1
59	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
60	Modelling and Simulation of Universal Digital AC Bridge Using Ann Technique. International Journal of Modelling and Simulation, 2006, 26, 137-142.	3.3	0
61	Constant output under transient condition in wind turbine using novel boost converter. , 2013, , .		0
62	Performance evaluation of a magnetically coupled DC -DC converter for photovoltaic energy systems. , 2013, , .		0
63	[Various welcome messages]. , 2013, , .		0
64	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
65	Performance evaluation of high efficiency thermoelectric SIMO converter. , 2015, , .		0
66	Investigation of 3-Z-network boost converter for photovoltaic power generation system using MPPT control strategies. , 2016, , .		0
67	Efficiency Evaluation of a MOSFET bridge rectifier for Powering LEDs using Piezo-electric Energy Harvesting Systems. Automatika, 2016, 57, .	2.0	0