Yuvaraja Teekaraman

List of Publications by Year
in descending order

82 papers	967 citations	643344 15 h-index	536525 29 g-index
83 all docs	83 docs citations	83 times ranked	274 citing authors

#	Article	IF	Citations
1	Hybrid Optimization Algorithms for Resource Allocation in Heterogeneous Cognitive Radio Networks. Neural Processing Letters, 2023, 55, 3813-3826.	2.0	4
2	Implementation of Cognitive Radio Model for Agricultural Applications Using Hybrid Algorithms. Wireless Personal Communications, 2022, 127, 505-522.	1.8	4
3	2D Finite Element Analysis of Asynchronous Machine Influenced Under Power Quality Perturbations. Computers, Materials and Continua, 2022, 70, 5745-5763.	1.5	2
4	Design and Implementation of Automatic Water Spraying System for Solar Photovoltaic Module. Mathematical Problems in Engineering, 2022, 2022, 1-11.	0.6	4
5	Acclimatization of Nanorobots in Medical Applications Using the Artificial Intelligence System with the Data Transfer Approach. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	0.8	4
6	Design of Automated Deep Learning-Based Fusion Model for Copy-Move Image Forgery Detection. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	15
7	SSNN-Based Energy Management Strategy in Grid Connected System for Load Scheduling and Load Sharing. Mathematical Problems in Engineering, 2022, 2022, 1-9.	0.6	6
8	C SVM Classification and KNN Techniques for Cyber Crime Detection. Wireless Communications and Mobile Computing, 2022, 2022, 1-9.	0.8	10
9	A Novel Strategy for Waste Prediction Using Machine Learning Algorithm with IoT Based Intelligent Waste Management System. Wireless Communications and Mobile Computing, 2022, 2022, 1-15.	0.8	44
10	Diagnoses of reformed responses in curative applications using wireless sensors with dynamic control. Sustainable Computing: Informatics and Systems, 2022, 35, 100677.	1.6	1
11	Automated Cardioailment Identification and Prevention by Hybrid Machine Learning Models. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-8.	0.7	5
12	Histogram Shifting-Based Quick Response Steganography Method for Secure Communication. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	0.8	16
13	Examining the Effect of Cyber Twin and Blockchain Technologies for Industrial Applications Using AI. Mathematical Problems in Engineering, 2022, 2022, 1-10.	0.6	5
14	Renovated XTEA Encoder Architecture-Based Lightweight Mutual Authentication Protocol for RFID and Green Wireless Sensor Network Applications. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	0.8	7
15	A Deep Learning Approach for Recognizing the Cursive Tamil Characters in Palm Leaf Manuscripts. Computational Intelligence and Neuroscience, 2022, 2022, 1-15.	1.1	13
16	Fuzzy Logic-Based Load Frequency Control in an Island Hybrid Power System Model Using Artificial Bee Colony Optimization. Energies, 2022, 15, 2199.	1.6	18
17	Power and Area Efficient Cascaded Effectless GDI Approximate Adder for Accelerating Multimedia Applications Using Deep Learning Model. Computational Intelligence and Neuroscience, 2022, 2022, 1-15.	1.1	1
18	Generative Adversarial Networks for Unmanned Aerial Vehicle Object Detection with Fusion Technology. Journal of Advanced Transportation, 2022, 2022, 1-13.	0.9	2

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19	Real Time Sustainable Power Quality Analysis of Non-Linear Load under Symmetrical Conditions. Energies, 2022, 15, 57.	1.6	12
20	Sentiment Analysis on COVID-19 Twitter Data Streams Using Deep Belief Neural Networks. Computational Intelligence and Neuroscience, 2022, 2022, 1-11.	1.1	7
21	Implementation of a Heart Disease Risk Prediction Model Using Machine Learning. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-14.	0.7	22
22	Analysis of Smart Grid Using Multimedia Sensor Networks with Effective Resource Allocation. Mathematical Problems in Engineering, 2022, 2022, 1-9.	0.6	0
23	Impact of Grid Integrated Energy Storage Systems with Phasor Measuring Units for Secured Data Control Using Metaheuristic. Wireless Communications and Mobile Computing, 2022, 2022, 1-7.	0.8	1
24	Optimization Drive on a Flat Tire Vehicular System for Autonomous E-Vehicles Using Network Distribution Simulations. Journal of Advanced Transportation, 2022, 2022, 1-8.	0.9	1
25	Abridged design with demand conventions for health care applications. Computers and Electrical Engineering, 2022, 102, 108203.	3.0	1
26	IoT Based Electric Vehicle Application Using Boosting Algorithm for Smart Cities. Energies, 2021, 14, 1072.	1.6	22
27	New Gen Controlling Variable Using Dragonfly Algorithm in PV Panel. Energies, 2021, 14, 790.	1.6	10
28	Enhanced Model Reference Adaptive Control Scheme for Tracking Control of Magnetic Levitation System. Energies, 2021, 14, 1455.	1.6	8
29	An Enhanced Emulated Inertia Control for Grid-Connected PV Systems with HESS in a Weak Grid. Energies, 2021, 14, 1721.	1.6	12
30	Efficient Control of DC Microgrid with Hybrid PVâ€"Fuel Cell and Energy Storage Systems. Energies, 2021, 14, 3234.	1.6	22
31	A Special Section on Extended Technologies in Machine Learning for Healthcare Systems. Journal of Medical Imaging and Health Informatics, 2021, 11, 70-72.	0.2	0
32	Modeling and Analysis of PV System with Fuzzy Logic MPPT Technique for a DC Microgrid under Variable Atmospheric Conditions. Electronics (Switzerland), 2021, 10, 2541.	1.8	18
33	A Novel Random Error Approximate Adder-Based Lightweight Medical Image Encryption Scheme for Secure Remote Monitoring of Health Data. Security and Communication Networks, 2021, 2021, 1-14.	1.0	6
34	An Intellectual Energy Device for Household Appliances Using Artificial Neural Network. Mathematical Problems in Engineering, 2021, 2021, 1-9.	0.6	3
35	Schema-Based Mapping Approach for Data Transformation to Enrich Semantic Web. Wireless Communications and Mobile Computing, 2021, 2021, 1-15.	0.8	4
36	A Prognostic Three-Axis Coordination Model for Supply Chain Regulation Using Machine Learning Algorithm. Scientific Programming, 2021, 2021, 1-9.	0.5	2

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37	A Novel Optimal Robotized Parking System Using Advanced Wireless Sensor Network. Journal of Sensors, 2021, 2021, 1-10.	0.6	4
38	Self-Adaptive Framework for Rectification and Detection of Black Hole and Wormhole Attacks in 6LoWPAN. Wireless Communications and Mobile Computing, 2021, 2021, 1-8.	0.8	6
39	Enhanced frequency shift carrier modulation for H-bridge multilevel converter to conquer the impact of instability in deputize condenser voltage. International Journal of Electrical Engineering and Education, 2020, 57, 164-174.	0.4	3
40	Fuzzy control in H-Bridge MLI for solar photovoltaic system to enhance load sharing. International Journal of Electrical Engineering and Education, 2020, 57, 64-72.	0.4	61
41	Smart home autonomous water management system for agricultural applications. World Journal of Engineering, 2020, 17, 445-455.	1.0	3
42	Smart Grid Monitoring by Wireless Sensors Using Binary Logistic Regression. Energies, 2020, 13, 3974.	1.6	15
43	Examining the effect of aquaculture using sensor€based technology with machine learning algorithm. Aquaculture Research, 2020, 51, 4748-4758.	0.9	25
44	Current Compensation in Grid-Connected VSCs using Advanced Fuzzy Logic-based Fluffy-Built SVPWM Switching. Energies, 2020, 13, 1259.	1.6	6
45	A Special Section on Medicinal Internet of Things in Health Care Applications. Journal of Medical Imaging and Health Informatics, 2020, 10, 158-159.	0.2	0
46	State approximation in power system by using quasi derived originating procedure. Measurement: Journal of the International Measurement Confederation, 2019, 146, 924-929.	2.5	57
47	Solution for Voltage and Frequency Regulation in Standalone Microgrid using Hybrid Multiobjective Symbiotic Organism Search Algorithm. Energies, 2019, 12, 2812.	1.6	6
48	An advanced protection coordination technique for solar in-feed distribution systems. Ain Shams Engineering Journal, 2019, 10, 379-388.	3.5	67
49	Statistical data analysis for harmonic reduction in 3Ã˜ -fragmented source using novel fuzzy digital logic switching technique. Circuit World, 2019, 45, 148-155.	0.7	1
50	Algorithm to Estimation Fish Population using Echosounder in Fish Farming Net. , 2019, , .		2
51	Hierarchical distributed model scheme implementation in DC Î¼grid for numerous ground faults condition. International Journal of Electrical Engineering and Education, 2019, 56, 348-363.	0.4	69
52	Performance analysis of medical image security using steganography based on fuzzy logic. Cluster Computing, 2019, 22, 3285-3291.	3.5	4
53	Fuzzy-Based Energy Management System With Decision Tree Algorithm for Power Security System. International Journal of Computational Intelligence Systems, 2019, 12, 1173.	1.6	80
54	Energy Analysis on Localization Free Routing Protocols in UWSNs. International Journal of Computational Intelligence Systems, 2019, 12, 1526.	1.6	65

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55	Solar Powered Multi-Controlled Smart Wheelchair for Disabled: Development and Features. Journal of Computational and Theoretical Nanoscience, 2019, 16, 4889-4900.	0.4	65
56	Energy Balance Analysis—An Impact of Temperature Variation in Unified Hydrogen Based Opto-Source. Journal of Computational and Theoretical Nanoscience, 2019, 16, 4807-4811.	0.4	57
57	<i>A Special Section on</i> Micro and Nano Fabrication Technology in Renewable Source for Low-Power Portable, Wearable and Autonomous Devices. Journal of Computational and Theoretical Nanoscience, 2019, 16, 4605-4605.	0.4	0
58	Smart Controller Fed Non Conventional Microgrid for Optimal Power Distribution. Materials Today: Proceedings, 2018, 5, 1233-1238.	0.9	2
59	Implementation of Four Quadrant Operation of BLDC Motor Using Model Predictive Controller. Materials Today: Proceedings, 2018, 5, 1666-1672.	0.9	6
60	Solar Energy Conversion Using Maximum Power Point Tracker Controller and Multilevel Inverter for Diverse Applications. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2143-2146.	0.4	1
61	Meandering Vector Control Strategy as D - STATCOM in Renewable Cluster Grid for Power Optimization. Materials Today: Proceedings, 2018, 5, 1257-1263.	0.9	4
62	Discretionary controller for hybrid energy storage system based on orderly control considering commercial value in decentralised microgrid operation. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2018, 37, 1969-1980.	0.5	2
63	Analysis of wind turbine modelling using TSMC techniques. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2018, 37, 1981-1992.	0.5	2
64	Sung Reduction in H-Bridge Inverters Connected with PV Source Using Variable Low Bias Modulation. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2104-2108.	0.4	1
65	Super Capacitor Model and Its Operational Simulation for Photo-Voltaic Generation System. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2109-2114.	0.4	1
66	IOT Based Agricultural Application Using Robot—Agrobot. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2137-2139.	0.4	4
67	Maximum Power Point Tracker Automation of Solar Panel Using Image Processing Technique and Internet of Things. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2140-2142.	0.4	1
68	Review on Twin Universal Series Bus Drive. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2147-2149.	0.4	1
69	Under Water Mine Detection Using Sonar. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2150-2152.	0.4	6
70	Theoretical Investigation on Smart Grid System. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2153-2157.	0.4	1
71	Analysis of Energy System in Oil and Gas Industry. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2158-2160.	0.4	2
72	Generation of electricity from vibration of vehicles. , 2017, , .		2

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73	Analysis of space vector intonation system. , 2017, , .		1
74	Investigation of power flow control device in grid. , 2017, , .		0
75	Photovoltaic incorporated in microgrid system. , 2017, , .		2
76	Energy harvesting using speed breaker mechanism. , 2017, , .		5
77	A vigorous simple most extreme force point tracker for pv battery charger. Environmental Systems Research, 2016, 5, .	1.5	0
78	Visual and Surface Properties of CdTe Thin Films on CdS/FTO Glass Substrates. International Journal of Electrical and Computer Engineering, 2016, 6, 468.	0.5	0
79	MODELING THE INTERFACE OF MULTIFARIOUS NETWORKS. Far East Journal of Electronics and Communications, 2016, 16, 493-509.	0.2	1
80	Fuzzy Based Analysis of Inverter Fed Micro Grid in Islanding Operation-Experimental Analysis. International Journal of Power Electronics and Drive Systems, 2015, 5, 464.	0.5	11
81	Investigations on the effect of micro-grid using improved NFIS-PID with hybrid algorithms. Computing (Vienna/New York), 0, , 1.	3.2	2
82	Examining the effect of intellectual devices for healthiness using flower bee algorithm. Neural Computing and Applications, 0, , 1.	3.2	0