Subramani Chinnamuthu

List of Publications by Year
in descending order

74 papers	1,295 citations	758635 12 h-index	395343 33 g-index
80 all docs	80 docs citations	80 times ranked	1372 citing authors

#	ARTICLE	IF	CITATIONS
1	A Brief Review on Electrode Materials for Supercapacitor. International Journal of Electrochemical Science, 2016, 11, 10628-10643.	0.5	605
2	A comprehensive review on energy management strategies of hybrid energy storage system for electric vehicles. International Journal of Energy Research, 2017, 41, 1817-1834.	2.2	85
3	A comprehensive review on choice of hybrid vehicles and power converters, control strategies for hybrid electric vehicles. International Journal of Energy Research, 2018, 42, 1789-1812.	2.2	79
4	A hybrid stochastic fractal search and local unimodal sampling based multistage PDF plus (1 + PI) controller for automatic generation control of power systems. Journal of the Franklin Institute, 2017, 354, 4762-4783.	1.9	56
5	Nature-Inspired MPPT Algorithms for Partially Shaded PV Systems: A Comparative Study. Energies, 2019, 12, 1451.	1.6	47
6	A modified whale optimization algorithm-based adaptive fuzzy logic PID controller for load frequency control of autonomous power generation systems. Automatika, 2017, 58, 410-421.	1.2	44
7	Analysis and experimental investigation for grid-connected 10 kW solar PV system in distribution networks. , 2016, , .		28
8	A low cost single phase grid connected reduced switch PV inverter based on Time Frame Switching Scheme. International Journal of Electrical Power and Energy Systems, 2016, 77, 100-111.	3.3	26
9	Implementation of Line Stability Index for Contingency Analysis and Screening in Power Systems. Journal of Computer Science, 2012, 8, 585-590.	0.5	21
10	Voltage Profile Improvement Using FACTS Devices: A Comparison between SVC, TCSC and TCPST. , 2009, , .		17
11	Performance of two modified optimization techniques for power system voltage stability problems. AEJ - Alexandria Engineering Journal, 2016, 55, 2525-2530.	3.4	17
12	A PD-type Multi Input Single Output SSSC damping controller design employing hybrid improved differential evolution-pattern search approach. Applied Soft Computing Journal, 2015, 32, 532-543.	4.1	16
13	A modified module integrated â€" Interleaved boost converter for standalone photovoltaic (PV) application. , 2016, , .		16
14	MnO$_2$ nanorods/SiO$_2$ sphere coated on single-wall carbon nanotubes as supercapacitor electrode for high energy storage applications. Materials Research Express, 2017, 4, 124004.	0.8	15
15	Stability Index Based Voltage Collapse Prediction and Contingency Analysis. Journal of Electrical Engineering and Technology, 2009, 4, 438-442.	1.2	13
16	An Experimental Fault Analysis and Speed Control of an Induction Motor using Motor Solver. Journal of Electrical Engineering and Technology, 2017, 12, 761-768.	1.2	12
17	Particle Swarm Optimization Algorithm to Find the Location of Facts Controllers for a Transmission Line. , 2011, , .		11
18	Power Quality Improvement by Unified Power Quality Conditioner Based on CSC Topology Using Synchronous Reference Frame Theory. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	11

#	Article	IF	Citations
19	Line outage contingency screening and ranking for voltage stability assessment. , 2009, , .		10
20	Voltage Quality Improvement Using DVR. , 2010, , .		9
21	Particle Swarm Optimization Algorithm to Find the Location of Facts Controllers for a Transmission Line. Advances in Intelligent and Soft Computing, 2012, , 861-868.	0.2	9
22	Artificial neural network based voltage stability analysis in power system. , 2016, , .		9
23	Promising nature-based activated carbon derived from flowers of Borassus flabellifer for supercapacitor applications. Carbon Letters, 2021, 31, 1145-1153.	3.3	9
24	Fault investigation methods on power transmission line: A comparative study. , 2016, , .		8
25	Neural Network-Based Model Reference Adaptive System for Torque Ripple Reduction in Sensorless Poly Phase Induction Motor Drive. Energies, 2019, 12, 920.	1.6	8
26	Kalman Filter Algorithm for Mitigation of Power System Harmonics. International Journal of Electrical and Computer Engineering, 2018, 8, 771.	0.5	8
27	Static voltage stability enhancement using FACTS controller. , 2016, , .		7
28	Energy efficiency and pay-back calculation on street lighting systems. AIP Conference Proceedings, 2019, , .	0.3	7
29	Performance Analysis of H-bridge and T-Bridge Multilevel Inverters for Harmonics Reduction. International Journal of Power Electronics and Drive Systems, 2018, 9, 231.	0.5	7
30	Space Vector and Sinusoidal Pulse Width Modulation of Quasi Z-Source Inverter for Photovoltaic System. International Journal of Power Electronics and Drive Systems, 2016, 7, 601.	0.5	6
31	Non Linear Control of STATCOM. , 2010, , .		5
32	A Brief Review on Electric Spring: Analysis, Control and Applications. Journal of Circuits, Systems and Computers, 2018, 27, 1830002.	1.0	5
33	Application of integrated wind energy conversion system (WECS) and photovoltaic (PV) solar farm as Statcom to regulate grid voltage during night time. , 2011, , .		4
34	Soft Computing for Voltage Stability Analysis and Contingency Ranking in Power System. , 2009, , .		3
35	Voltage stability improvement using &#x201C;Sen&#x201D; transformer. , 2011, , .		3
36	ARTIFICIAL NEURAL NETWORK CONTROLLER BASED DISTRIBUTION STATIC COMPENSATOR FOR VOLTAGE SAG MITIGATION. American Journal of Applied Sciences, 2013, 10, 688-695.	0.1	3

#	Article	IF	Citations
37	COMPARISON OF OPTIMIZATION TECHNIQUE TO FIND THE OPTIMAL LOCATION OF FACTS CONTROLLERS FOR TRANSMISSION LINE. American Journal of Applied Sciences, 2014, 11, 280-290.	0.1	3
38	Study of Asymmetric Hybrid Supercapacitor using Carbon and Metal Oxides as Electrode Materials. Indian Journal of Science and Technology, 2016, 9, .	0.5	3
39	Design and Implementation of 13 Levels Multilevel Inverter for Photovoltaic System. Journal of Physics: Conference Series, 2018, 1000, 012047.	0.3	3
40	Wavelet transform approach for image processing â€" A research motivation for engineering graduates. International Journal of Electrical Engineering and Education, 2021, 58, 373-384.	0.4	3
41	Mitigation of common mode voltage in five phase multilevel inverter. Materials Today: Proceedings, 2021, 45, 1761-1769.	0.9	3
42	An Efficient Control Strategy Based Multi Converter UPQC using with Fuzzy Logic Controller for Power Quality Problems. Journal of Electrical Engineering and Technology, 2015, 10, 379-387.	1.2	3
43	A new control strategy with fuzzy logic technique in distribution system for power quality issues. , 2014, , .		2
44	Wavelet multi-resolution based faults investigation on power system transmission line. , 2015, , .		2
45	A Fuzzy Logic Controller Based Multi Converter UPQC to Enhance the Power Quality Problems. Lecture Notes in Electrical Engineering, 2015, , 453-463.	0.3	2
46	PSO Application to Optimal Placement of UPFC for Loss Minimization in Power System. Advances in Intelligent Systems and Computing, 2017, , 223-230.	0.5	2
47	Study of LCL filter performance for inverter fed grid connected system. Journal of Physics: Conference Series, 2018, 1000, 012119.	0.3	2
48	An Efficient Fuzzy Controller Design for Parallel Connected Induction Motor Drives. Journal of Physics: Conference Series, 2018, 1000, 012077.	0.3	2
49	Design and Implementation of nine level multilevel Inverter. Journal of Physics: Conference Series, 2018, 1000, 012051.	0.3	2
50	Analysis of Extended Z-source Inverter for Photovoltaic System. Journal of Physics: Conference Series, 2018, 1000, 012071.	0.3	2
51	An efficient induction motor design for performance intensification using magnet software. International Transactions on Electrical Energy Systems, 2020, 30, e12306.	1.2	2
52	The performance analysis of type-2 fuzzy fractional-order tilt integral derivative controller with enhanced Harris hawks optimization. Transactions of the Institute of Measurement and Control, 2021, 43, 2818-2834.	1.1	2
53	Compensation of voltage sag and harmonics by dynamic voltage restorer without zero sequence blocking. , 2011, , .		1
54	WEB-ENABLED GENERALIZED ARCHITECTURAL MODEL FOR ONLINE POWER SYSTEM ANALYSIS. American Journal of Applied Sciences, 2013, 10, 1093-1101.	0.1	1

#	Article	IF	Citations
55	Analysis and comparison of 13 level inverter. Journal of Physics: Conference Series, 2018, 1000, 012050.	0.3	1
56	Design of PI Controlled Non Isolated Bidirectional DC to DC Converter for Electric Vehicle Application. Journal of Physics: Conference Series, 2018, 1000, 012109.	0.3	1
57	Measurement of Electromagnetic Properties of Plastics and Composites Using Rectangular Waveguide. Advances in Intelligent Systems and Computing, 2019, , 381-391.	0.5	1
58	Transient Stability Enhancement of a Multi-Machine System Using BFOA. Advances in Intelligent Systems and Computing, 2014, , 31-44.	0.5	1
59	A New Control Strategy Based Multi Converter UPQC Using Fuzzy Logic Controller to Improve the Power Quality Issues. Advances in Electrical and Electronic Engineering, 2014, 12, .	0.2	1
60	Design of Two Feeder Three Phase Four Wire Distribution System Utilizing Multi Converter UPQC with Fuzzy Logic Controller. Advances in Electrical and Electronic Engineering, 2014, 12, .	0.2	1
61	Development of Intelligent Smart Metering System through Remote Monitoring and Control under Robust Conditions. Journal of Testing and Evaluation, 2021, 49, 20200218.	0.4	1
62	Comparison of PSO Tuned Feedback Linearisation Controller (FBLC) and PI Controller for UPFC to Enhance Transient Stability. Lecture Notes in Computer Science, 2011, , 135-142.	1.0	0
63	Location for Stability Enhancement in Power Systems Based on Voltage Stability Analysis and Contingency Ranking. Communications in Computer and Information Science, 2011, , 73-78.	0.4	0
64	Applications of wavelet transform on power engineering problems â€" A brief review. International Journal of Wavelets, Multiresolution and Information Processing, 2017, 15, 1730001.	0.9	0
65	Robust Control Analysis of Hydraulic Turbine Speed. Journal of Physics: Conference Series, 2018, 1000, 012106.	0.3	0
66	Energy management in distribution systems using PV panels. AIP Conference Proceedings, 2019, , .	0.3	0
67	Energy management studies in electrical machines laboratory. AIP Conference Proceedings, 2019, , .	0.3	0
68	Automated heat ventilation and air conditioning using regression algorithms. AIP Conference Proceedings, 2019, , .	0.3	0
69	A modified static gain SEPIC converter renewable applications. AIP Conference Proceedings, 2019, , .	0.3	0
70	Control schemes for micro-grid applicationâ€"A simulation and experimental approach for Electrical Engineering Project. International Journal of Electrical Engineering and Education, 2021, 58, 357-372.	0.4	0
71	Modelling and Voltage Stability Enhancement Using â€œSenâ€•Transformer. Communications in Computer and Information Science, 2011, , 224-228.	0.4	0
72	Critical lines based Weak Area Clustering using Voltage Stability Analysis and Contingency Ranking in Power System. Journal of Convergence Information Technology, 2012, 7, 131-139.	0.1	0

#	Article	IF	Citations
73	Application of Artificial Bee Colony Optimization: Power System Voltage Stability Problems. Lecture Notes in Computer Science, 2015, , 801-808.	1.0	0
74	Impact of Distributed Power Flow Controller to Improve Line Flow Based on PWM Control with PI Technique. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 4, 57.	0.7	0