

# Subramani Chinnamuthu

## List of Publications by Year in descending order

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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	Wavelet transform approach for image processing “ A research motivation for engineering graduates. International Journal of Electrical Engineering and Education, 2021, 58, 373-384.	0.4	3
2	Control schemes for micro-grid application”A simulation and experimental approach for Electrical Engineering Project. International Journal of Electrical Engineering and Education, 2021, 58, 357-372.	0.4	0
3	Mitigation of common mode voltage in five phase multilevel inverter. Materials Today: Proceedings, 2021, 45, 1761-1769.	0.9	3
4	Promising nature-based activated carbon derived from flowers of <i>Borassus flabellifer</i> for supercapacitor applications. Carbon Letters, 2021, 31, 1145-1153.	3.3	9
5	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
6	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
7	An efficient induction motor design for performance intensification using magnet software. International Transactions on Electrical Energy Systems, 2020, 30, e12306.	1.2	2
8	Energy management in distribution systems using PV panels. AIP Conference Proceedings, 2019, , .	0.3	0
9	Energy efficiency and pay-back calculation on street lighting systems. AIP Conference Proceedings, 2019, , .	0.3	7
10	Energy management studies in electrical machines laboratory. AIP Conference Proceedings, 2019, , .	0.3	0
11	Automated heat ventilation and air conditioning using regression algorithms. AIP Conference Proceedings, 2019, , .	0.3	0
12	A modified static gain SEPIC converter renewable applications. AIP Conference Proceedings, 2019, , .	0.3	0
13	Nature-Inspired MPPT Algorithms for Partially Shaded PV Systems: A Comparative Study. Energies, 2019, 12, 1451.	1.6	47
14	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
15	Measurement of Electromagnetic Properties of Plastics and Composites Using Rectangular Waveguide. Advances in Intelligent Systems and Computing, 2019, , 381-391.	0.5	1
16	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
17	A Brief Review on Electric Spring: Analysis, Control and Applications. Journal of Circuits, Systems and Computers, 2018, 27, 1830002.	1.0	5
18	Robust Control Analysis of Hydraulic Turbine Speed. Journal of Physics: Conference Series, 2018, 1000, 012106.	0.3	0

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19	Study of LCL filter performance for inverter fed grid connected system. Journal of Physics: Conference Series, 2018, 1000, 012119.	0.3	2
20	Design and Implementation of 13 Levels Multilevel Inverter for Photovoltaic System. Journal of Physics: Conference Series, 2018, 1000, 012047.	0.3	3
21	Analysis and comparison of 13 level inverter. Journal of Physics: Conference Series, 2018, 1000, 012050.	0.3	1
22	An Efficient Fuzzy Controller Design for Parallel Connected Induction Motor Drives. Journal of Physics: Conference Series, 2018, 1000, 012077.	0.3	2
23	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
24	Design and Implementation of nine level multilevel Inverter. Journal of Physics: Conference Series, 2018, 1000, 012051.	0.3	2
25	Analysis of Extended Z-source Inverter for Photovoltaic System. Journal of Physics: Conference Series, 2018, 1000, 012071.	0.3	2
26	Kalman Filter Algorithm for Mitigation of Power System Harmonics. International Journal of Electrical and Computer Engineering, 2018, 8, 771.	0.5	8
27	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
28	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
29	Applications of wavelet transform on power engineering problems – A brief review. International Journal of Wavelets, Multiresolution and Information Processing, 2017, 15, 1730001.	0.9	0
30	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
31	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
32	MnO <sub>2</sub> nanorods/SiO <sub>2</sub> sphere coated on single-wall carbon nanotubes as supercapacitor electrode for high energy storage applications. Materials Research Express, 2017, 4, 124004.	0.8	15
33	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
34	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
35	A Brief Review on Electrode Materials for Supercapacitor. International Journal of Electrochemical Science, 2016, 11, 10628-10643.	0.5	605
36	Study of Asymmetric Hybrid Supercapacitor using Carbon and Metal Oxides as Electrode Materials. Indian Journal of Science and Technology, 2016, 9, .	0.5	3

#	ARTICLE	IF	CITATIONS
37	Static voltage stability enhancement using FACTS controller. , 2016, , .		7
38	Analysis and experimental investigation for grid-connected 10 kW solar PV system in distribution networks. , 2016, , .		28
39	A modified module integrated " Interleaved boost converter for standalone photovoltaic (PV) application. , 2016, , .		16
40	Artificial neural network based voltage stability analysis in power system. , 2016, , .		9
41	Performance of two modified optimization techniques for power system voltage stability problems. AEJ - Alexandria Engineering Journal, 2016, 55, 2525-2530.	3.4	17
42	Fault investigation methods on power transmission line: A comparative study. , 2016, , .		8
43	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
44	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
45	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
46	Wavelet multi-resolution based faults investigation on power system transmission line. , 2015, , .		2
47	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
48	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
49	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
50	Application of Artificial Bee Colony Optimization: Power System Voltage Stability Problems. Lecture Notes in Computer Science, 2015, , 801-808.	1.0	0
51	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
52	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
53	A new control strategy with fuzzy logic technique in distribution system for power quality issues. , 2014, , .		2
54	Transient Stability Enhancement of a Multi-Machine System Using BFOA. Advances in Intelligent Systems and Computing, 2014, , 31-44.	0.5	1

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55	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
56	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
57	WEB-ENABLED GENERALIZED ARCHITECTURAL MODEL FOR ONLINE POWER SYSTEM ANALYSIS. American Journal of Applied Sciences, 2013, 10, 1093-1101.	0.1	1
58	ARTIFICIAL NEURAL NETWORK CONTROLLER BASED DISTRIBUTION STATIC COMPENSATOR FOR VOLTAGE SAG MITIGATION. American Journal of Applied Sciences, 2013, 10, 688-695.	0.1	3
59	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
60	Implementation of Line Stability Index for Contingency Analysis and Screening in Power Systems. Journal of Computer Science, 2012, 8, 585-590.	0.5	21
61	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
62	Particle Swarm Optimization Algorithm to Find the Location of Facts Controllers for a Transmission Line. , 2011, , .		11
63	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
64	Application of integrated wind energy conversion system (WECS) and photovoltaic (PV) solar farm as Statcom to regulate grid voltage during night time. , 2011, , .		4
65	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
66	Compensation of voltage sag and harmonics by dynamic voltage restorer without zero sequence blocking. , 2011, , .		1
67	Voltage stability improvement using &#x201C;Sen&#x201D; transformer. , 2011, , .		3
68	Modelling and Voltage Stability Enhancement Using â€œSenâ€™Transformer. Communications in Computer and Information Science, 2011, , 224-228.	0.4	0
69	Non Linear Control of STATCOM. , 2010, , .		5
70	Voltage Quality Improvement Using DVR. , 2010, , .		9
71	Line outage contingency screening and ranking for voltage stability assessment. , 2009, , .		10
72	Soft Computing for Voltage Stability Analysis and Contingency Ranking in Power System. , 2009, , .		3

#	ARTICLE	IF	CITATIONS
73	Voltage Profile Improvement Using FACTS Devices: A Comparison between SVC, TCSC and TCPST. , 2009, ,		17
74	Stability Index Based Voltage Collapse Prediction and Contingency Analysis. Journal of Electrical Engineering and Technology, 2009, 4, 438-442.	1.2	13