

Senthil Kumar

List of Publications by Year in descending order

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35
papers

251
citations

1163117

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36
docs citations

36
times ranked

148
citing authors

#	ARTICLE	IF	CITATIONS
1	A Global Path Planning Algorithm for Mobile Robot in Cluttered Environments with an Improved Initial Cost Solution and Convergence Rate. Arabian Journal for Science and Engineering, 2022, 47, 3633-3647.	3.0	8
2	Rare earth metal <scp>oxide</scp>-doped</scp> reduced <scp>graphene</scp>-oxide</scp> nanocomposite as binder</scp>-free hybrid electrode material for supercapacitor application. International Journal of Energy Research, 2021, 45, 8255-8266.	4.5	21
3	Design and implementation of modified <scp>SEPIC</scp> high gain <scp>DC</scp>-<scp>DC</scp> converter for <scp>DC</scp> microgrid applications. International Transactions on Electrical Energy Systems, 2021, 31, e12921.	1.9	9
4	Single</scp>-phase front</scp>-end modified interleaved Luo power factor correction converter for on</scp>-board electric vehicle charger. International Journal of Circuit Theory and Applications, 2021, 49, 2655-2669.	2.0	6
5	G-RRT*: Goal-oriented sampling-based RRT* path planning Algorithm for mobile robot navigation with improved convergence rate. , 2021, , .		3
6	Energy management of distributed renewable energy sources for residential DC microgrid applications. International Transactions on Electrical Energy Systems, 2020, 30, e12258.	1.9	15
7	Design and development of single phase AC</scp>-DC discontinuous conduction mode modified bridgeless positive output Luo converter for power quality improvement. IET Power Electronics, 2019, 12, 2722-2730.	2.1	26
8	Design and Implementation of High Power LED Lighting System for Health Care Applications. Current Signal Transduction Therapy, 2019, 14, 31-37.	0.5	5
9	Investigation of adaptive control of robot manipulators with uncertain features for trajectory tracking employing HIL simulation technique. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 2513-2521.	1.4	1
10	Comparative Study of PI, Fuzzy and Fuzzy tuned PI Controllers for Single-Phase AC-DC Three-Level Converter. Journal of Electrical Engineering and Technology, 2017, 12, 78-90.	2.0	13
11	Investigation of Power Quality Improvement in Super Lift Luo Converter. International Journal of Power Electronics and Drive Systems, 2017, 8, 1240.	0.6	10
12	FPGA Implementation of Optimal 3D-Integer DCT Structure for Video Compression. Scientific World Journal, The, 2015, 2015, 1-9.	2.1	4
13	Design and Evaluation of PI Controller for Four Switch BLDC Motor Drive. Applied Mechanics and Materials, 2014, 573, 136-142.	0.2	4
14	Online Control of DC Motors Using Fuzzy Logic Controller for Remote Operated Robots. Journal of Electrical Engineering and Technology, 2014, 9, 352-362.	2.0	4
15	Online intelligent incubator for neonates. , 2014, , .		0
16	Design and Implementation of Fuzzy Logic Controller for Online Computer Controlled Steering System for Navigation of a Teleoperated Agricultural Vehicle. Mathematical Problems in Engineering, 2013, 2013, 1-10.	1.1	8
17	MODELING AND SIMULATION OF FUZZY BASED AUTOMATIC INSULIN DELIVERY SYSTEM. Journal of Computer Science, 2013, 9, 1133-1139.	0.6	3
18	DESIGN OF FUZZY LOGIC CONTROLLER FOR ONLINE SPEED REGULATION OF DC MOTOR USING PWM TECHNIQUE BASED ON LABORATORY VIRTUAL INSTRUMENT ENGINEERING WORKBENCH. Journal of Computer Science, 2013, 9, 990-997.	0.6	6

#	ARTICLE	IF	CITATIONS
19	DESIGN AND STUDY OF ONLINE FUZZY RISK SCORE ANALYZER FOR DIABETES MELLITUS. American Journal of Applied Sciences, 2013, 10, 1124-1133.	0.2	0
20	LABVIEW BASED AUTONOMOUS AGRICULTURAL ROBOT USING FUZZY LOGIC CONTROLLER. American Journal of Applied Sciences, 2013, 10, 1413-1418.	0.2	2
21	Design and simulation of single phase z-source buck boost matrix converter. , 2012, , .		3
22	Online control of fuzzy based mine detecting robot using virtual instrumentation. , 2012, , .		2
23	Design and simulation of three phase matrix converter for brushless DC motor. , 2011, , .		2
24	Online intelligent analyzer for blood pressure measurement. , 2011, , .		0
25	Design of optimum Maximum Power Point Tracking algorithm for solar panel. , 2011, , .		22
26	Design and evaluation of robust controller for AC-to-DC Boost converter. , 2011, , .		5
27	Comparison of Power Quality Improvement techniques in AC-DC Cuk Converter. , 2011, , .		8
28	Fuzzy based automatic multi-level vehicle parking using lab view. , 2010, , .		2
29	PREDICTION OF EMISSIONS USING COMBUSTION PARAMETERS IN A DIESEL ENGINE THROUGH FUZZY LOGIC TECHNIQUES. International Journal of Computational Intelligence and Applications, 2009, 08, 195-207.	0.8	3
30	Design of low cost universal artificial neuron controller for chopper fed embedded DC drives. Applied Soft Computing Journal, 2008, 8, 1637-1642.	7.2	11
31	A Comparative Study of PI, Fuzzy, and ANN Controllers for Chopper-fed DC Drive with Embedded Systems Approach. Electric Power Components and Systems, 2008, 36, 680-695.	1.8	21
32	A Low-cost Four-quadrant Chopper-fed Embedded DC Drive Using Fuzzy Controller. Electric Power Components and Systems, 2007, 35, 907-920.	1.8	19
33	Fuzzy Based Automatic Insulin Injector Simulation Aided by Online Doctor Consultation Using LabVIEW. Applied Mechanics and Materials, 0, 110-116, 1990-1995.	0.2	0
34	Analysis and Design of Single Phase AC-DC Modified SEPIC Converter. Applied Mechanics and Materials, 0, 573, 108-114.	0.2	2
35	Power Quality Improvement in Single Phase AC-DC Three Level Boost Converter Using PI and SMC. Applied Mechanics and Materials, 0, 573, 72-77.	0.2	3