

Kumarasamy Vanchinathan

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

519
citations

933447

10
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Review and design of modular multilevel inverter with modified multicarrier PWM techniques for solar PV applications. <i>Circuit World</i> , 2023, 49, 528-559.	0.9	1
2	Systematic design of multi-objective enhanced genetic algorithm optimized fractional order PID controller for sensorless brushless DC motor drive. <i>Circuit World</i> , 2022, 48, 479-492.	0.9	14
3	Testing and performance evaluation of water pump irrigation system using voltage-lift multilevel inverter. <i>International Journal of Ambient Energy</i> , 2022, 43, 8162-8175.	2.5	35
4	Test scheduling of System-on-Chip using Dragonfly and Ant Lion optimization algorithms. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 4905-4917.	1.4	74
5	Design methodology and experimental verification of intelligent speed controllers for sensorless permanent magnet Brushless DC motor. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, e12991.	1.9	34
6	A Metaheuristic Optimization Algorithm-Based Speed Controller for Brushless DC Motor: Industrial Case Study. , 2021, , 189-216.		4
7	Adaptive fractional order PID controller tuning for brushless DC motor using Artificial Bee Colony algorithm. <i>Results in Control and Optimization</i> , 2021, 4, 100032.	2.3	72
8	Experimental Validation and Integration of Solar PV Fed Modular Multilevel Inverter (MMI) and Flywheel Storage System. , 2021, , .		32
9	An improved incipient whale optimization algorithm based robust fault detection and diagnosis for sensorless brushless DC motor drive under external disturbances. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, .	1.9	64
10	Test Scheduling of Core Based System-on-Chip Using Modified Ant Colony Optimization. <i>Journal European Des Systemes Automatisees</i> , 2019, 52, 599-605.	0.4	20
11	Tuning of Fractional Order Proportional Integral Derivative Controller for Speed Control of Sensorless BLDC Motor using Artificial Bee Colony Optimization Technique. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 117-127.	0.4	9
12	A Metaheuristic Optimization Approach for Tuning of Fractional-Order PID Controller for Speed Control of Sensorless BLDC Motor. <i>Journal of Circuits, Systems and Computers</i> , 2018, 27, 1850123.	1.5	70
13	A Study of Sensorless BLDC Motor Drives and Future Trends. <i>Asian Journal of Research in Social Sciences and Humanities</i> , 2016, 6, 1863.	0.0	7
14	Spectroscopic (FTIR, FT-Raman, NMR and UV) and molecular structure investigations of 1,5-diphenylpenta-2,4-dien-1-one: a combined experimental and theoretical approach. <i>Molecular Simulation</i> , 2013, 39, 330-349.	2.0	6
15	Growth of cerium(III)-doped ADP crystals and characterization studies. <i>Journal of Crystal Growth</i> , 2012, 354, 57-61.	1.5	10
16	Spectroscopic (FTIR, FT-Raman, NMR and UV) and molecular structure investigations of 1,5-diphenylpenta-1,4-dien-3-one: A combined experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2012, 1030, 191-203.	3.6	47
17	Synthesis, crystal growth and characterization of 1,5-diphenylpenta-1,4-dien-3-one: An organic crystal. <i>Physica B: Condensed Matter</i> , 2011, 406, 4195-4199.	2.7	20