

Kumarasamy Vanchinathan

List of Publications by Year in descending order

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233
citing authors

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