Souvik Ganguli

List of Publications by Year
in descending order

29 papers	274 citations	932766 10 h-index	996533 15 g-index
42 all docs	42 docs citations	42 times ranked	162 citing authors

#	Article	IF	Citations
1	Optimal parameter estimation of PEM fuel cell using slime mould algorithm. International Journal of Energy Research, 2021, 45, 14732-14744.	2.2	44
2	Solar and Wind Power Estimation and Economic Load Dispatch Using Firefly Algorithm. Procedia Computer Science, 2015, 70, 688-700.	1.2	34
3	Hall effect instruments, evolution, implications, and future prospects. Review of Scientific Instruments, 2020, 91, 071502.	0.6	17
4	An IoT-Based Controller Realization for PV System Monitoring and Control. EAI/Springer Innovations in Communication and Computing, 2020, , 213-223.	0.9	15
5	Power and energy measurement devices: A review, comparison, discussion, and the future of research. Measurement: Journal of the International Measurement Confederation, 2021, 172, 108961.	2.5	14
6	Development of an Efficient, Cheap, and Flexible IoT-Based Wind Turbine Emulator. EAI/Springer Innovations in Communication and Computing, 2020, , 225-231.	0.9	14
7	Parameter Estimation of Fuel Cell Using Chaotic Mayflies Optimization Algorithm. Advanced Theory and Simulations, 2021, 4, 2100183.	1.3	14
8	A hybrid intelligent technique for model order reduction in the delta domain: a unified approach. Soft Computing, 2019, 23, 4801-4814.	2.1	13
9	A novel hybrid metaheuristic algorithm for model order reduction in the delta domain: a unified approach. Neural Computing and Applications, 2019, 31, 6207-6221.	3.2	12
10	A global optimization technique for modeling and control of permanent magnet synchronous motor drive. , 2021, , 74-81.		10
11	An Algorithmic Approach to System Identification in the Delta Domain Using FAdFPA Algorithm. EAI/Springer Innovations in Communication and Computing, 2020, , 203-211.	0.9	8
12	Parameter estimation of different solar cells using a novel swarm intelligence technique. Soft Computing, 2022, 26, 5833-5863.	2.1	8
13	Parameter extraction of solar PV cell models using novel metaheuristic chaotic tunicate swarm algorithm. International Transactions on Electrical Energy Systems, 2021, 31, e13244.	1.2	8
14	Global heuristic methods for reduced-order modelling of fractional-order systems in the delta domain: a unified approach. Ricerche Di Matematica, 0, , 1.	0.6	7
15	Optimal sizing of different configuration of photovoltaic, fuel cell, and biomass-based hybrid energy system. Environmental Science and Pollution Research, 2022, 29, 17425-17440.	2.7	6
16	Identification in the delta domain: a unified approach via GWOCFA. Soft Computing, 2020, 24, 4791-4808.	2.1	5
17	An IoT and Machine Learning-Based Model to Monitor Perishable Food towards Improving Food Safety and Quality. Journal of Food Quality, 2022, 2022, 1-6.	1.4	5
18	Design of A 11 KW$_p$ Grid Connected Solar Photovoltaic Power Plant on 100 m^2 available Area in the Birbhum District of West Bengal. Journal of the Institute of Engineering, 2011, 8, 105-112.	0.3	4

#	Article	IF	Citations
19	A new Hall-effect enabled voltage amplifier device based on magnetic and thermal properties of materials. Journal of Magnetism and Magnetic Materials, 2020, 514, 167054.	1.0	4
20	An approximate model matching technique for controller design of linear time-invariant systems using hybrid firefly-based algorithms. ISA Transactions, 2022, 127, 437-448.	3.1	4
21	A new hybrid algorithm for identification in the unified delta framework. AIP Conference Proceedings, 2020, , .	0.3	3
22	Smart HR Competencies and Their Applications in Industry 4.0. Intelligent Systems Reference Library, 2022, , 293-315.	1.0	2
23	Model order diminution of MIMO systems using the delta transform method with new firefly-based hybrid algorithms. Soft Computing, 0, , 1.	2.1	2
24	Deep Learning Based Dual Channel Banana Grading System Using Convolution Neural Network. Journal of Food Quality, 2022, 2022, 1-9.	1.4	2
25	Model order reduction of continuous time system using hybrid metaheuristic algorithm. , 2016, , .		1
26	Identification in the delta domain: a unified approach using hybrid FAPS algorithm. , 2019, , .		0
27	Theoretical foundation of a scheme for the study of dielectrics by analyzing the distortion in fringing field. Review of Scientific Instruments, 2020, 91, 095101.	0.6	0
28	A unified machine system identification technique using FAGWO algorithm. AIP Conference Proceedings, 2020, , .	0.3	0
29	A new method to realize nonrational driving€point functions. International Journal of Circuit Theory and Applications, 2020, 48, 385-393.	1.3	0