

Souvik Ganguli

List of Publications by Year in descending order

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29
papers

274
citations

933447

10
h-index

996975

15
g-index

42
all docs

42
docs citations

42
times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal parameter estimation of <sc>PEM</sc> fuel cell using slime mould algorithm. International Journal of Energy Research, 2021, 45, 14732-14744.	4.5	44
2	Solar and Wind Power Estimation and Economic Load Dispatch Using Firefly Algorithm. Procedia Computer Science, 2015, 70, 688-700.	2.0	34
3	Hall effect instruments, evolution, implications, and future prospects. Review of Scientific Instruments, 2020, 91, 071502.	1.3	17
4	An IoT-Based Controller Realization for PV System Monitoring and Control. EAI/Springer Innovations in Communication and Computing, 2020, , 213-223.	1.1	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.	5.0	14
6	Development of an Efficient, Cheap, and Flexible IoT-Based Wind Turbine Emulator. EAI/Springer Innovations in Communication and Computing, 2020, , 225-231.	1.1	14
7	Parameter Estimation of Fuel Cell Using Chaotic Mayflies Optimization Algorithm. Advanced Theory and Simulations, 2021, 4, 2100183.	2.8	14
8	A hybrid intelligent technique for model order reduction in the delta domain: a unified approach. Soft Computing, 2019, 23, 4801-4814.	3.6	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.	5.6	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.	1.1	8
12	Parameter estimation of different solar cells using a novel swarm intelligence technique. Soft Computing, 2022, 26, 5833-5863.	3.6	8
13	Parameter extraction of solar <sc>PV</sc> cell models using novel metaheuristic chaotic tunicate swarm algorithm. International Transactions on Electrical Energy Systems, 2021, 31, e13244.	1.9	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.	1.0	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.	5.3	6
16	Identification in the delta domain: a unified approach via GWOCFA. Soft Computing, 2020, 24, 4791-4808.	3.6	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.	2.6	5
18	Design of A 11 KW_p Grid Connected Solar Photovoltaic Power Plant on 100 m² 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.	2.3	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.	5.7	4
21	A new hybrid algorithm for identification in the unified delta framework. AIP Conference Proceedings, 2020, , .	0.4	3
22	Smart HR Competencies and Their Applications in Industry 4.0. Intelligent Systems Reference Library, 2022, , 293-315.	1.2	2
23	Model order diminution of MIMO systems using the delta transform method with new firefly-based hybrid algorithms. Soft Computing, 0, , 1.	3.6	2
24	Deep Learning Based Dual Channel Banana Grading System Using Convolution Neural Network. Journal of Food Quality, 2022, 2022, 1-9.	2.6	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.	1.3	0
28	A unified machine system identification technique using FAGWO algorithm. AIP Conference Proceedings, 2020, , .	0.4	0
29	A new method to realize nonrational drivingâ€point functions. International Journal of Circuit Theory and Applications, 2020, 48, 385-393.	2.0	0