

Bhavnesk Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8267641/publications.pdf>

Version: 2024-02-01

48
papers

557
citations

840776

11
h-index

713466

21
g-index

50
all docs

50
docs citations

50
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic analysis of Mycobacterium tuberculosis isolates resistant to kanamycin and amikacin. Journal of Proteomics, 2013, 94, 68-77.	2.4	71
2	Comparative Proteomic Analysis of Aminoglycosides Resistant and Susceptible Mycobacterium tuberculosis Clinical Isolates for Exploring Potential Drug Targets. PLoS ONE, 2015, 10, e0139414.	2.5	63
3	Mitigation of Mismatch Power Losses of PV Array under Partial Shading Condition using novel Odd Even Configuration. Energy Reports, 2020, 6, 427-437.	5.1	55
4	Proteomic analysis of streptomycin resistant and sensitive clinical isolates of Mycobacterium tuberculosis. Proteome Science, 2010, 8, 59.	1.7	45
5	Proteome Analysis of Ofloxacin and Moxifloxacin Induced Mycobacterium tuberculosis Isolates by Proteomic Approach. Protein and Peptide Letters, 2015, 22, 362-371.	0.9	37
6	Controller design for Doha water treatment plant using grey wolf optimization. Journal of Intelligent and Fuzzy Systems, 2018, 35, 5329-5336.	1.4	32
7	A comparative study of maximum power point tracking methods for a photovoltaic-based water pumping system. International Journal of Sustainable Energy, 2014, 33, 797-810.	2.4	28
8	Streptomycin induced protein expression analysis in Mycobacterium tuberculosis by two-dimensional gel electrophoresis & mass spectrometry. Indian Journal of Medical Research, 2010, 132, 400-8.	1.0	23
9	A multi verse optimization based MPPT controller for drift avoidance in solar system. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2175-2184.	1.4	16
10	Nonlinear fractional order PID controller for tracking maximum power in photo-voltaic system. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6703-6713.	1.4	15
11	Assessment of a fuzzy logic based MRAS observer used in a photovoltaic array supplied AC drive. Frontiers in Energy, 2014, 8, 81-89.	2.3	12
12	Performance comparison of MPPT techniques using Cuk converter for photovoltaic energy conversion system. , 2017, , .		12
13	Global Maximum Power Point Tracking for PV Array under Partial Shading using Cuckoo Search. , 2020, , .		12
14	Recent control techniques and management of <sc>AC</sc> microgrids: A critical review on issues, strategies, and future trends. International Transactions on Electrical Energy Systems, 2021, 31, e13035.	1.9	11
15	PI and fuzzy logic controller based tip speed ratio control for smoothening of output power fluctuation in a wind energy conversion system. , 2016, , .		9
16	Development of MATLAB/Simulink based model of PV system with MPPT. , 2016, , .		8
17	An improved MVO assisted global MPPT algorithm for partially shaded PV system. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6715-6726.	1.4	8
18	Position controlling of Sun Tracking System using optimization technique. Energy Reports, 2020, 6, 304-309.	5.1	8

#	ARTICLE	IF	CITATIONS
19	A Modified Incremental Conductance Maximum Power Point Technique for Standalone PV System. , 2020, , .		7
20	Review of maximum power point tracking techniques for photovoltaic arrays working under uniform/non-uniform insolation level. International Journal of Renewable Energy Technology, 2018, 9, 439.	0.3	6
21	Speed Control of the Sensorless BLDC Motor Drive Through Different Controllers. Advances in Intelligent Systems and Computing, 2019, , 143-152.	0.6	6
22	Performance analysis of induction motor drive with optimal rotor flux for energy efficient operation. , 2014, , .		5
23	Indirect back EMF detection based sensorless operation of PMSBLDC motor drive. , 2016, , .		5
24	ANN based RF-MRAS speed estimation of induction motor drive at low speed. , 2017, , .		5
25	Investigations on Training Algorithms for Neural Networks Based Flux Estimator Used in Speed Estimation of Induction Motor. , 2019, , .		5
26	Fuzzy logic based adaptation mechanism for MRAS based speed estimators. Journal of Information and Optimization Sciences, 2019, 40, 455-466.	0.3	5
27	Graphical user interface(GUI) to study DC motor dynamic characteristics. , 2017, , .		4
28	Fuzzy Logic based Improved P&O MPPT Technique for Partial Shading Conditions. , 2018, , .		4
29	Investigations on flux estimation methods for stator current based MRAS speed estimator for induction motor drive. , 2018, , .		4
30	Rotor Resistance Estimation for Improved Performance of MRAS-Based Sensorless Speed Estimation of Induction Motor Drives. Algorithms for Intelligent Systems, 2021, , 177-187.	0.6	4
31	Investigations on energy efficient sensorless induction motor drive. , 2015, , .		3
32	Generation of PWM using verilog In FPGA. , 2016, , .		3
33	Loss Minimization in Induction Motor Drive using Grey Wolf Optimization. , 2018, , .		3
34	Intelligent Speed Control of DC Servo Motor Drive. , 2018, , .		3
35	Photovoltaic Cells Rearrangement using Meta-Heuristic Optimization Techniques for Shade Dispersion. , 2020, , .		3
36	ANN-based sensorless adaptive temperature control system to improve methane yield in an anaerobic digester. Biomass Conversion and Biorefinery, 2023, 13, 7265-7285.	4.6	3

#	ARTICLE	IF	CITATIONS
37	Comparative Analysis of MPPT Control Techniques to Enhance Solar Energy Utilization and Convergence Time Under Varying Meteorological Conditions and Loads. <i>Frontiers in Energy Research</i> , 0, 10, .	2.3	3
38	MRAS based speed estimation strategies for induction motor drives: A review. , 2016, , .		2
39	An Overview of Configuration Strategies and Control Techniques for Solar Water Pumps. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
40	A Novel Loss Model Control-Based Efficiency Enhancement Scheme for IFOC Induction Motor Drive. <i>Arabian Journal for Science and Engineering</i> , 0, , 1.	3.0	2
41	A fuzzy logic based sensorless induction motor drive supplied from a photovoltaic source. , 2013, , .		1
42	Computationally Efficient WiMax with Handover Scheme using Elliptic Curve Diffie Hellman(ECDH) Key Agreement Protocol. , 2018, , .		1
43	Pitch angle Control of Variable Speed Wind Turbine by using Fuzzy Logic. , 2018, , .		1
44	Performance Evaluation of Brushless DC Motor Drive Supplied from Hybrid Sources. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 443-453.	0.6	1
45	Various configuration and control techniques for photovoltaic fed motor driven water pumping system. <i>International Journal of Sustainable Agricultural Management and Informatics</i> , 2020, 6, 179.	0.2	1
46	Performance analysis of fuzzy based sensorless induction motor drive with Photovoltaic source. , 2013, , .		0
47	Performance Comparison of SVPWM and ANN based SVPWM Technique for Power Quality Improvement. <i>Procedia Computer Science</i> , 2016, 93, 1024-1037.	2.0	0
48	MATLAB/Simulink model to study solar cell characteristics under partial shading. , 2017, , .		0