

# Bhavnesk Kumar

## List of Publications by Year in descending order

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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	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
2	Recent control techniques and management of <scp>AC</scp> microgrids: A critical review on issues, strategies, and future trends. International Transactions on Electrical Energy Systems, 2021, 31, e13035.	1.9	11
3	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
4	Various configuration and control techniques for photovoltaic fed motor driven water pumping system. International Journal of Sustainable Agricultural Management and Informatics, 2020, 6, 179.	0.2	1
5	Photovoltaic Cells Rearrangement using Meta-Heuristic Optimization Techniques for Shade Dispersion. , 2020, , .		3
6	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
7	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
8	Position controlling of Sun Tracking System using optimization technique. Energy Reports, 2020, 6, 304-309.	5.1	8
9	Global Maximum Power Point Tracking for PV Array under Partial Shading using Cuckoo Search. , 2020, , .		12
10	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
11	A Modified Incremental Conductance Maximum Power Point Technique for Standalone PV System. , 2020, , .		7
12	Speed Control of the Sensorless BLDC Motor Drive Through Different Controllers. Advances in Intelligent Systems and Computing, 2019, , 143-152.	0.6	6
13	Investigations on Training Algorithms for Neural Networks Based Flux Estimator Used in Speed Estimation of Induction Motor. , 2019, , .		5
14	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
15	Fuzzy logic based adaptation mechanism for MRAS based speed estimators. Journal of Information and Optimization Sciences, 2019, 40, 455-466.	0.3	5
16	Performance Evaluation of Brushless DC Motor Drive Supplied from Hybrid Sources. Advances in Intelligent Systems and Computing, 2019, , 443-453.	0.6	1
17	Loss Minimization in Induction Motor Drive using Grey Wolf Optimization. , 2018, , .		3
18	Fuzzy Logic based Improved P&O MPPT Technique for Partial Shading Conditions. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	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
20	Computationally Efficient WiMax with Handover Scheme using Elliptic Curve Diffie Hellman(ECDH) Key Agreement Protocol. , 2018, , .		1
21	Intelligent Speed Control of DC Servo Motor Drive. , 2018, , .		3
22	Pitch angle Control of Variable Speed Wind Turbine by using Fuzzy Logic. , 2018, , .		1
23	Controller design for Doha water treatment plant using grey wolf optimization. Journal of Intelligent and Fuzzy Systems, 2018, 35, 5329-5336.	1.4	32
24	Investigations on flux estimation methods for stator current based MRAS speed estimator for induction motor drive. , 2018, , .		4
25	Performance comparison of MPPT techniques using Cuk converter for photovoltaic energy conversion system. , 2017, , .		12
26	ANN based RF-MRAS speed estimation of induction motor drive at low speed. , 2017, , .		5
27	Graphical user interface(GUI) to study DC motor dynamic characteristics. , 2017, , .		4
28	MATLAB/Simulink model to study solar cell characteristics under partial shading. , 2017, , .		0
29	Indirect back EMF detection based sensorless operation of PMBLDC motor drive. , 2016, , .		5
30	Generation of PWM using verilog In FPGA. , 2016, , .		3
31	Performance Comparison of SVPWM and ANN based SVPWM Technique for Power Quality Improvement. Procedia Computer Science, 2016, 93, 1024-1037.	2.0	0
32	Development of MATLAB/Simulink based model of PV system with MPPT. , 2016, , .		8
33	MRAS based speed estimation strategies for induction motor drives: A review. , 2016, , .		2
34	PI and fuzzy logic controller based tip speed ratio control for smoothening of output power fluctuation in a wind energy conversion system. , 2016, , .		9
35	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
36	Investigations on energy efficient sensorless induction motor drive. , 2015, , .		3

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37	Proteome Analysis of Ofloxacin and Moxifloxacin Induced Mycobacterium tuberculosis Isolates by Proteomic Approach. Protein and Peptide Letters, 2015, 22, 362-371.	0.9	37
38	Performance analysis of induction motor drive with optimal rotor flux for energy efficient operation. , 2014, , .		5
39	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
40	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
41	Performance analysis of fuzzy based sensorless induction motor drive with Photovoltaic source. , 2013, , .		0
42	Proteomic analysis of Mycobacterium tuberculosis isolates resistant to kanamycin and amikacin. Journal of Proteomics, 2013, 94, 68-77.	2.4	71
43	A fuzzy logic based sensorless induction motor drive supplied from a photovoltaic source. , 2013, , .		1
44	Proteomic analysis of streptomycin resistant and sensitive clinical isolates of Mycobacterium tuberculosis. Proteome Science, 2010, 8, 59.	1.7	45
45	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
46	An Overview of Configuration Strategies and Control Techniques for Solar Water Pumps. SSRN Electronic Journal, 0, , .	0.4	2
47	A Novel Loss Model Control-Based Efficiency Enhancement Scheme for IFOC Induction Motor Drive. Arabian Journal for Science and Engineering, 0, , 1.	3.0	2
48	Comparative Analysis of MPPT Control Techniques to Enhance Solar Energy Utilization and Convergence Time Under Varying Meteorological Conditions and Loads. Frontiers in Energy Research, 0, 10, .	2.3	3