

Mahmoud Attia

List of Publications by Year in descending order

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47
papers

584
citations

840776

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713466

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50
all docs

50
docs citations

50
times ranked

306
citing authors

#	ARTICLE	IF	CITATIONS
1	Whale optimization algorithm to tune PID and PIDA controllers on AVR system. Ain Shams Engineering Journal, 2019, 10, 755-767.	6.1	114
2	Comparative Performance Analysis of AVR Controllers Using Modern Optimization Techniques. Electric Power Components and Systems, 2018, 46, 2117-2130.	1.8	51
3	Marine Predator Algorithm based Cascaded PIDA Load Frequency Controller for Electric Power Systems with Wave Energy Conversion Systems. AEJ - Alexandria Engineering Journal, 2021, 60, 4213-4222.	6.4	37
4	Application of Different Optimization Techniques to Load Frequency Control with WECS in a Multi-Area System. Electric Power Components and Systems, 2018, 46, 739-756.	1.8	31
5	Modeling of inverted pendulum system with gravitational search algorithm optimized controller. Ain Shams Engineering Journal, 2019, 10, 129-149.	6.1	24
6	Optimal Power Flow Solution of Wind-Integrated Power System Using Novel Metaheuristic Method. Energies, 2021, 14, 6117.	3.1	23
7	Impact of load models on the static and dynamic performances of grid-connected wind power plants: A comparative analysis. Mathematics and Computers in Simulation, 2018, 149, 91-108.	4.4	22
8	An Optimized PV Control System Based on the Emperor Penguin Optimizer. Energies, 2021, 14, 751.	3.1	22
9	Optimal Location of Thyristor-controlled Series Compensators in Power Systems for Increasing Loadability by Genetic Algorithm. Electric Power Components and Systems, 2011, 39, 1373-1387.	1.8	21
10	Hybrid SCA and adaptive controller to enhance the performance of grid-connected PV system. Ain Shams Engineering Journal, 2021, 12, 3775-3781.	6.1	20
11	Comparison between genetic algorithm and whale optimization algorithm in fault location estimation in power systems. , 2017, , .		17
12	Performance of grid-connected wind power plants as affected by load models: A comparative study. , 2017, , .		15
13	Enhancing the Performance of Photovoltaic Systems under Partial Shading Conditions Using Cuttlefish Algorithm. , 2019, , .		15
14	Optimal Sizing of Different Energy Sources in an Isolated Hybrid Microgrid Using Turbulent Flow Water-Based Optimization Algorithm. IEEE Access, 2022, 10, 61922-61936.	4.2	14
15	Optimized PIA Controller for Photovoltaic System Using Hybrid Particle Swarm optimization and Cuttlefish Algorithms. , 2018, , .		12
16	Enhancement of On-grid PV System under Irradiance and Temperature Variations Using New Optimized Adaptive Controller. International Journal of Electrical and Computer Engineering, 2018, 8, 2650.	0.7	11
17	Performance enhancement of power systems with wave energy using gravitational search algorithm based TCSC devices. Engineering Science and Technology, an International Journal, 2016, 19, 1661-1667.	3.2	10
18	A DSM Approach for Distribution Systems with High Wind Power Penetration. Electric Power Components and Systems, 2020, 48, 56-69.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Stochastic Modeling for Wind Energy and Multi-Objective Optimal Power Flow by Novel Meta-Heuristic Method. IEEE Access, 2021, 9, 158353-158366.	4.2	10
20	Optimal location of series FACTS to improve the performance of power system with wind penetration. , 2014, , .		9
21	Modern optimization algorithms for fault location estimation in power systems. Engineering Science and Technology, an International Journal, 2017, 20, 1475-1485.	3.2	9
22	Optimized controllers for enhancing dynamic performance of PV interface system. Journal of Electrical Systems and Information Technology, 2018, 5, 1-10.	1.7	9
23	Design of a compact ultra-high frequency antenna for partial discharge detection in oil immersed power transformers. Ain Shams Engineering Journal, 2022, 13, 101568.	6.1	9
24	An Adaptive Load Frequency Control for Power Systems with Renewable Energy Sources. Energies, 2022, 15, 573.	3.1	8
25	Optimal Location of Thyristor-Controlled Series Compensation and Static VAR Compensator to Enhance Steady-state Performance of Power System with Wind Penetration. Electric Power Components and Systems, 2015, 43, 1999-2009.	1.8	6
26	Optimization of cleaning frequency and dust accumulation effect on photovoltaic panels. Journal of Interdisciplinary Mathematics, 2020, 23, 53-68.	0.7	6
27	Damping Inter-Area Oscillations Via Weighted Area Signals to PSSs Using TLBO & HS Algorithm. , 2019, , .		5
28	Power system frequency control enhancement by optimization of wind energy control system. Ain Shams Engineering Journal, 2021, 12, 3711-3723.	6.1	4
29	Comparison between flexible AC transmission systems (FACTs) and filters regarding renewable energy systems harmonics mitigation. International Journal of Emerging Electric Power Systems, 2022, 23, 211-220.	0.8	4
30	Application of different optimization techniques to load frequency control in a multi-area system. , 2017, , .		3
31	An Adaptive Unified Seamless Control Strategy for Distributed Generator Inverter. , 2019, , .		3
32	Enhancement of wind energy conversion system performance using adaptive fractional order PI blade angle controller. Heliyon, 2021, 7, e08239.	3.2	3
33	A genetic algorithm for optimal allocation of FACTS to enhance power system performance with wind penetration. , 2014, , .		2
34	Optimization of the PI controller to improve the dynamic performance of grid-connected photovoltaic system. , 2019, , .		2
35	Experimental and numerical investigation of alumina trihydrate effect for improvement of polymer flashover voltage strength. Engineering Science and Technology, an International Journal, 2020, 23, 316-324.	3.2	2
36	Comparative study of blade angle controllers with different optimization algorithms. AEJ - Alexandria Engineering Journal, 2022, 61, 3897-3912.	6.4	2

#	ARTICLE	IF	CITATIONS
37	Enhancement of power system performance with wind farm disturbances. International Journal of Applied Power Engineering (IJAPE), 2019, 8, 159.	0.2	2
38	Novel blade angle controllers techniques based on heuristics algorithms. Ain Shams Engineering Journal, 2022, 13, 101782.	6.1	2
39	Enhancement of Wind Energy Conversion System Voltage Stability by Using STATCOM with Different Controllers. , 2021, , .		2
40	Gravitational Search and Sine Cosine Algorithms to Enhance the VSC-HVDC System Performance Under Different Disturbances. , 2019, , .		1
41	Proper selection of Doubly Fed Induction Generator Wind Turbine Using Several Optimization Techniques. , 2019, , .		1
42	Reduction of Total Harmonic Distortion of Wind Turbine Active Power Using Blade Angle Adaptive PI Controller. Energies, 2021, 14, 6798.	3.1	1
43	Optimized Blade Angle Controller to Enhance Wind Speed Variability Impacts. Electric Power Components and Systems, 2021, 49, 612-623.	1.8	1
44	Investigation of Different Probability Distribution Functions for Wind Speed Modelling Using Classical and Novel Metaheuristic Methods. , 2021, , .		1
45	Optimized Dynamic Operation of Fixed-Speed Wind Farms Using Classical and Advanced Controllers. International Journal of Emerging Electric Power Systems, 2020, 21, .	0.8	0
46	Mathematical modeling of polymer dielectric strength considering filling concentration. International Journal of Emerging Electric Power Systems, 2021, .	0.8	0
47	Blade Angle Control Using TLBO Based Modified Adaptive Controller. , 2020, , .		0