

Sherif M Ghoneim

List of Publications by Year in descending order

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115
papers

2,176
citations

218381

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all docs

115
docs citations

115
times ranked

1027
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-dimensional energy management based on an optimal power flow model using an improved quasi-reflection jellyfish optimization algorithm. <i>Engineering Optimization</i> , 2023, 55, 907-929.	1.5	9
2	A modified marine predators optimization algorithm for simultaneous network reconfiguration and distributed generator allocation in distribution systems under different loading conditions. <i>Engineering Optimization</i> , 2022, 54, 687-708.	1.5	41
3	A novel improved marine predators algorithm for combined heat and power economic dispatch problem. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 1834-1851.	3.4	42
4	Mixture probability distribution functions using novel metaheuristic method in wind speed modeling. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101613.	3.5	13
5	Prediction of Transformer Oil Breakdown Voltage with Barriers Using Optimization Techniques. <i>Intelligent Automation and Soft Computing</i> , 2022, 31, 1593-1610.	1.6	3
6	An efficient compensation of modified DSTATCOM for improving microgrid operation. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 5501-5516.	3.4	8
7	Field-Dependent Pollution Model under Polluted Environments for Outdoor Polymeric Insulators. <i>Polymers</i> , 2022, 14, 516.	2.0	11
8	Efficient Data Compression of ECG Signal Based on Modified Discrete Cosine Transform. <i>Computers, Materials and Continua</i> , 2022, 71, 4391-4408.	1.5	0
9	Downlink Performance Analysis in MIMO UAV-Cellular Communication With LOS/NLOS Propagation Under 3D Beamforming. <i>IEEE Access</i> , 2022, 10, 6650-6659.	2.6	22
10	Robust interconnection and damping assignment energy-based control for a permanent magnet synchronous motor using high order sliding mode approach and nonlinear observer. <i>Energy Reports</i> , 2022, 8, 1731-1740.	2.5	29
11	Design and Characterization of Compact Broadband Antenna and Its MIMO Configuration for 28 GHz 5G Applications. <i>Electronics (Switzerland)</i> , 2022, 11, 523.	1.8	47
12	A Non-Isolated Hybrid Zeta Converter with a High Voltage Gain and Reduced Size of Components. <i>Electronics (Switzerland)</i> , 2022, 11, 483.	1.8	6
13	Multi-Objective Optimization of 400 kV Composite Insulator Corona Ring Design. <i>IEEE Access</i> , 2022, 10, 27579-27590.	2.6	14
14	Novel Design of Slim Mould Optimizer for the Solution of Optimal Power Flow Problems Incorporating Intermittent Sources: A Case Study of Algerian Electricity Grid. <i>IEEE Access</i> , 2022, 10, 22646-22661.	2.6	17
15	Fault Diagnostics and Tolerance Analysis of a Microgrid System Using Hamiltonâ€™Jacobiâ€™Isaacs Equation and Game Theoretic Estimations in Sliding Mode Observers. <i>Sensors</i> , 2022, 22, 1597.	2.1	1
16	Optimal Location and Sizing of Distributed Generators in Power System Network with Power Quality Enhancement Using Fuzzy Logic Controlled D-STATCOM. <i>Sustainability</i> , 2022, 14, 3305.	1.6	14
17	Effect of Isothermal Conditions on the Charge Trapping/Detrapping Parameters in e-Beam Irradiated Thermally Aged XLPE Insulation in SEM. <i>Materials</i> , 2022, 15, 1918.	1.3	2
18	Quasi-Reflection Jellyfish Optimizer for Optimal Power Flow in Electrical Power Systems. <i>Studies in Informatics and Control</i> , 2022, 31, 49-58.	0.6	4

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19	Experimental validation of advanced SP-SAF based on intelligent controllers for power quality enhancement. <i>Energy Reports</i> , 2022, 8, 3018-3029.	2.5	5
20	A Comprehensive Analysis of Wireless Charging Systems for Electric Vehicles. <i>IEEE Access</i> , 2022, 10, 43865-43881.	2.6	24
21	Households' Energy Choices in Rural Pakistan. <i>Energies</i> , 2022, 15, 3149.	1.6	11
22	Investigation on New Metaheuristic Algorithms for Solving Dynamic Combined Economic Environmental Dispatch Problems. <i>Sustainability</i> , 2022, 14, 5554.	1.6	5
23	Magnetic field evaluation around 400 KV underground power cable under harmonics effects. <i>Diagnostyka</i> , 2022, , 1-10.	0.5	0
24	Evaluation of Radio Communication Links of 4G Systems. <i>Sensors</i> , 2022, 22, 3923.	2.1	2
25	Intelligent Torque Allocation Based Coordinated Switching Strategy for Comfort Enhancement of Hybrid Electric Vehicles. <i>IEEE Access</i> , 2022, 10, 58097-58115.	2.6	22
26	Coordinated Design of Type-2 Fuzzy Lead-Lag-Structured SSSCs and PSSs for Power System Stability Improvement. <i>Sustainability</i> , 2022, 14, 6656.	1.6	5
27	Cone Model in Resource Provisioning for Service-Oriented Architecture System: An Effective Network Management to the Internet of Things. <i>IEEE Access</i> , 2022, 10, 61385-61397.	2.6	1
28	Intelligent Speed Control and Performance Investigation of a Vector Controlled Electric Vehicle Considering Driving Cycles. <i>Electronics (Switzerland)</i> , 2022, 11, 1925.	1.8	18
29	Design and Analysis of Polarization-Independent, Wide-Angle, Broadband Metasurface Absorber Using Resistor-Loaded Split-Ring Resonators. <i>Electronics (Switzerland)</i> , 2022, 11, 1986.	1.8	16
30	Effective Transmission Congestion Management via Optimal DG Capacity Using Hybrid Swarm Optimization for Contemporary Power System Operations. <i>IEEE Access</i> , 2022, 10, 71091-71106.	2.6	27
31	Experimental Investigation of an Adaptive Fuzzy-Neural Fast Terminal Synergetic Controller for Buck DC/DC Converters. <i>Sustainability</i> , 2022, 14, 7967.	1.6	7
32	Fuzzy-Energy-Management-Based Intelligent Direct Torque Control for a Battery-Supercapacitor Electric Vehicle. <i>Sustainability</i> , 2022, 14, 8407.	1.6	22
33	A new approach of tap changer maintenance incorporating nanoparticle insulating oil. <i>Electrical Engineering</i> , 2021, 103, 931-944.	1.2	6
34	Transformer fault types and severity class prediction based on neural pattern-recognition techniques. <i>Electric Power Systems Research</i> , 2021, 191, 106899.	2.1	23
35	Self-Regulated Single-phase Induction Generator for Variable Speed Stand-alone WECS. <i>Intelligent Automation and Soft Computing</i> , 2021, 28, 715-727.	1.6	4
36	Accuracy Improvement of Power Transformer Faults Diagnostic Using KNN Classifier With Decision Tree Principle. <i>IEEE Access</i> , 2021, 9, 81693-81701.	2.6	52

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37	A Forensic-Based Investigation Algorithm for Parameter Extraction of Solar Cell Models. IEEE Access, 2021, 9, 1-20.	2.6	69
38	Performance Assessment of Solar Generating Units Based on Coot Bird Metaheuristic Optimizer. IEEE Access, 2021, 9, 111616-111632.	2.6	13
39	Adaptive Dynamic Meta-Heuristics for Feature Selection and Classification in Diagnostic Accuracy of Transformer Faults. IEEE Access, 2021, 9, 78324-78340.	2.6	49
40	Advanced Ensemble Model for Solar Radiation Forecasting Using Sine Cosine Algorithm and Newton's Laws. IEEE Access, 2021, 9, 115750-115765.	2.6	45
41	Enhancing the Diagnostic Accuracy of DGA Techniques Based on IEC-TC10 and Related Databases. IEEE Access, 2021, 9, 118031-118041.	2.6	18
42	Fault Detection Algorithms for Achieving Service Continuity in Photovoltaic Farms. Intelligent Automation and Soft Computing, 2021, 29, 467-479.	1.6	6
43	An Improved Direct Torque Control Topology of a Double Stator Machine Using the Fuzzy Logic Controller. IEEE Access, 2021, 9, 126400-126413.	2.6	9
44	Enhancing Diagnostic Accuracy of Transformer Faults Using Teaching-Learning-Based Optimization. IEEE Access, 2021, 9, 30817-30832.	2.6	58
45	A Secured Social-Economic Framework Based on PEM-Blockchain for Optimal Scheduling of Reconfigurable Interconnected Microgrids. IEEE Access, 2021, 9, 40797-40810.	2.6	30
46	Determination of Transformers' Insulating Paper State Based on Classification Techniques. Processes, 2021, 9, 427.	1.3	13
47	Transient Thermal Performance of Power Cable Ascertained Using Finite Element Analysis. Processes, 2021, 9, 438.	1.3	12
48	Accurate Insulating Oil Breakdown Voltage Model Associated with Different Barrier Effects. Processes, 2021, 9, 657.	1.3	25
49	Accuracy Improvement of Transformer Faults Diagnostic Based on DGA Data Using SVM-BA Classifier. Energies, 2021, 14, 2970.	1.6	36
50	Multilevel converter integration for low voltage ride through controlling renewable wind energy conversion systems. Journal of Engineering Research, 2021, 9, .	0.4	0
51	A Quad-Band RF Circuit for Enhancement of Energy Harvesting. Electronics (Switzerland), 2021, 10, 1160.	1.8	3
52	Classification of Cellulosic Insulation State Based on Smart Life Prediction Approach (SLPA). Processes, 2021, 9, 981.	1.3	8
53	Optimal Economic and Environmental Indices for Hybrid PV/Wind-Based Battery Storage System. Journal of Electrical Engineering and Technology, 2021, 16, 2847-2862.	1.2	20
54	A Multi-Objective Marine Predator Optimizer for Optimal Techno-Economic Operation of AC/DC Grids. Studies in Informatics and Control, 2021, 30, 89-99.	0.6	13

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55	Experimental and theoretical study on the compressive strength of the high strength concrete incorporating steel fiber and metakaolin. Structures, 2021, 31, 57-67.	1.7	25
56	The Impact of Coil Position and Number on Wireless System Performance for Electric Vehicle Recharging. Sensors, 2021, 21, 4343.	2.1	10
57	Cost Minimizations and Performance Enhancements of Power Systems Using Spherical Prune Differential Evolution Algorithm Including Modal Analysis. Sustainability, 2021, 13, 8113.	1.6	9
58	Transient impedance of grounding system with impulse superimposed sinewave. Energy and Thermofluids Engineering, 2021, 1, 8-12.	0.2	0
59	Gorilla Troops Optimizer for Electrically Based Single and Double-Diode Models of Solar Photovoltaic Systems. Sustainability, 2021, 13, 9459.	1.6	67
60	A Comparison between Particle Swarm and Grey Wolf Optimization Algorithms for Improving the Battery Autonomy in a Photovoltaic System. Applied Sciences (Switzerland), 2021, 11, 7732.	1.3	22
61	Diagnostic Modelling for Induction Motor Faults via ANFIS Algorithm and DWT-Based Feature Extraction. Applied Sciences (Switzerland), 2021, 11, 9115.	1.3	6
62	Performance analysis of three-phase hybrid fault current limiter with one commutation circuit. International Journal of Electrical Power and Energy Systems, 2021, 133, 107297.	3.3	6
63	Multi-objective jellyfish search optimizer for efficient power system operation based on multi-dimensional OPF framework. Energy, 2021, 237, 121478.	4.5	45
64	Wind Speed Ensemble Forecasting Based on Deep Learning Using Adaptive Dynamic Optimization Algorithm. IEEE Access, 2021, 9, 125787-125804.	2.6	67
65	Near-Optimal PI Controllers of STATCOM for Efficient Hybrid Renewable Power System. IEEE Access, 2021, 9, 34119-34130.	2.6	55
66	The Degree of Polymerization in a Prediction Model of Insulating Paper and the Remaining Life of Power Transformers. Energies, 2021, 14, 670.	1.6	24
67	Adequate Operation of Hybrid AC/MT-HVDC Power Systems Using an Improved Multi-Objective Marine Predators Optimizer. IEEE Access, 2021, 9, 51065-51087.	2.6	26
68	Mitigation of Magnetic Flux Density of Underground Power Cable and its Conductor Temperature Based on FEM. IEEE Access, 2021, 9, 146592-146602.	2.6	6
69	Robust Design of Power System Stabilizers Using Improved Harris Hawk Optimizer for Interconnected Power System. Sustainability, 2021, 13, 11776.	1.6	9
70	New intelligent direct power control of DFIG-based wind conversion system by using machine learning under variations of all operating and compensation modes. Energy Reports, 2021, 7, 6394-6412.	2.5	29
71	Optimized Thin-Film Organic Solar Cell with Enhanced Efficiency. Sustainability, 2021, 13, 13087.	1.6	2
72	Robust Model Predictive Control Paradigm for Automatic Voltage Regulators against Uncertainty Based on Optimization Algorithms. Mathematics, 2021, 9, 2885.	1.1	55

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73	Fractional-Fuzzy PID Control Approach of Photovoltaic-Wire Feeder System (PV-WFS): Simulation and HIL-Based Experimental Investigation. IEEE Access, 2021, 9, 159933-159954.	2.6	24
74	Improvement of Trajectory Tracking by Robot Manipulator Based on a New Co-Operative Optimization Algorithm. Mathematics, 2021, 9, 3231.	1.1	22
75	Artificial Intelligence for Creating Low Latency and Predictive Intrusion Detection with Security Enhancement in Power Systems. Applied Sciences (Switzerland), 2021, 11, 11988.	1.3	4
76	General Mathematical Solution for Selective Harmonic Elimination. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 4440-4456.	3.7	32
77	A Single DC Source Nine-Level Switched-Capacitor Boost Inverter Topology With Reduced Switch Count. IEEE Access, 2020, 8, 5840-5851.	2.6	61
78	Comparative Study of Full and Reduced Feature Scenarios for Health Index Computation of Power Transformers. IEEE Access, 2020, 8, 181326-181339.	2.6	14
79	Classical Control for Unequal DC Sources Five-Level Inverter-Based SHE Technique. Energies, 2020, 13, 4715.	1.6	1
80	Enhanced partial discharge location determination for transformer insulating oils considering allocations and uncertainties of acoustic measurements. AEJ - Alexandria Engineering Journal, 2020, 59, 4759-4769.	3.4	12
81	Economic Power and Heat Dispatch in Cogeneration Energy Systems Using Manta Ray Foraging Optimizer. IEEE Access, 2020, 8, 208281-208295.	2.6	31
82	Optimal ratio limits of rogers' four-ratios and IEC 60599 code methods using particle swarm optimization fuzzy-logic approach. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 222-230.	1.8	39
83	Modelling and experimental verification of barrier effect on breakdown voltage of transformer oil using Box-Behnken Design. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106829.	2.5	11
84	Breakdown performance of transformer oil in the presence of single-phase nanocrystalline ZnO and nano-partial substitution. IET Science, Measurement and Technology, 2019, 13, 737-745.	0.9	12
85	Framework for optimal grounding system design concerning IEEE standard. Electrical Engineering, 2019, 101, 1261-1276.	1.2	2
86	Selective harmonic elimination method for unequal DC sources of multilevel inverters. Automatika, 2019, 60, 378-384.	1.2	6
87	Evaluation of dielectric breakdown strength of transformer oil with BaTiO3 and NiFe2O4 nanoparticles. Electrical Engineering, 2019, 101, 369-377.	1.2	13
88	Investigation of Insulating Oils in Presence of Impurities. , 2019, , .		2
89	A Decision Transformer Fault Diagnostics System Based on Dissolved Gas Analysis. , 2019, , .		5
90	Determination of Partial Discharge Severity in Power Transformers Based on the Starting Decomposing Material. International Journal of Applied Energy Systems, 2019, 1, 47-51.	0.2	1

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91	SMART HOME AUTOMATION AND SECURITY SYSTEM DESIGN BASED ON IOT APPLICATIONS. ASEAN Engineering Journal, 2019, 9, 57-71.	0.2	4
92	Intelligent prediction of transformer faults and severities based on dissolved gas analysis integrated with thermodynamics theory. IET Science, Measurement and Technology, 2018, 12, 388-394.	0.9	43
93	DGALab: an extensible software implementation for DGA. IET Generation, Transmission and Distribution, 2018, 12, 4117-4124.	1.4	35
94	Prediction of insulating transformer oils breakdown voltage considering barrier effect based on artificial neural networks. Electrical Engineering, 2018, 100, 2231-2242.	1.2	12
95	CLASSIFICATION OF PARTIAL DISCHARGE FAULTS BASED ON SIGNAL PEAKS AND LOCATIONS. Journal of Applied Hematology, 2018, 16, .	0.1	0
96	Conditional probability-based interpretation of dissolved gas analysis for transformer incipient faults. IET Generation, Transmission and Distribution, 2017, 11, 943-951.	1.4	47
97	Acoustic and Electrical Detection to Localize And Measure the Partial Discharge in High Voltage Apparatus. International Journal of Advanced Research in Engineering, 2017, 3, 22.	0.2	1
98	Refining DGA methods of IEC Code and Rogers four ratios for transformer fault diagnosis. , 2016, , .		16
99	Integrated ANN-based proactive fault diagnostic scheme for power transformers using dissolved gas analysis. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1838-1845.	1.8	128
100	Control the cost, touch and step voltages of the grounding grids design. IET Science, Measurement and Technology, 2016, 10, 943-951.	0.9	8
101	A new approach of DGA interpretation technique for transformer fault diagnosis. International Journal of Electrical Power and Energy Systems, 2016, 81, 265-274.	3.3	103
102	A Fuzzy Diagnostic System for Incipient Transformer Faults Based on DGA of the Insulating Transformer Oils. International Review of Electrical Engineering, 2016, 11, 305.	0.1	12
103	Comparative study between dorneneburg and rogers methods for transformer fault diagnosis based on dissolved gas analysis using Matlab Simulink Tools. , 2015, , .		6
104	Improvement of Rogers four ratios and IEC Code methods for transformer fault diagnosis based on Dissolved Gas Analysis. , 2015, , .		11
105	FURTHER CONTRIBUTION FOR EVALUATING THE AGING OF TRANSFORMER OIL OF POWER TRANSFORMER. JES Journal of Engineering Sciences, 2015, 43, 211-226.	0.0	1
106	Contaminating Particle Movement in Insulating SF6 Gas in Gas Insulated Switchgear (GIS). International Journal of Electrical and Electronics Engineering, 2015, 2, 5-10.	0.1	0
107	Diagnostic Tool for Transformer Fault Detection Based on Dissolved Gas Analysis. IOSR Journal of Electrical and Electronics Engineering, 2014, 9, 20-26.	0.0	8
108	Investigation on Using Fractal Geometry for Classification of Partial Discharge Patterns. IOSR Journal of Electrical and Electronics Engineering, 2013, 6, 50-57.	0.0	0

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109	Charge and Current Simulation Method with Boundary Element Method for Grounding System Calculations in Case of MultiLayer Soil. IOSR Journal of Engineering, 2013, 03, 14-22.	0.1	1
110	Evolutionary strategy technique to optimize the grounding grids design. , 2012, , .		3
111	Grounding resistance, step and touch voltages for a driven vertical rod into two layer model soil. , 2010, , .		2
112	Measurement of earth surface potential using scale model. , 2007, , .		2
113	Optimum grounding grid design by using an evolutionary algorithm. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	10
114	Surface Potential Calculation for Grounding Grids. , 2006, , .		3
115	Improved Design of Square Grounding Grids. , 2006, , .		5