Sherif M Ghoneim

List of Publications by Year
in descending order

115	2,176	218381	288905
papers	citations	26 h-index	40 g-index

115	115	115	1027
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	A Forensic-Based Investigation Algorithm for Parameter Extraction of Solar Cell Models. IEEE Access, 2021, 9, 1-20.	2.6	69
4	Gorilla Troops Optimizer for Electrically Based Single and Double-Diode Models of Solar Photovoltaic Systems. Sustainability, 2021, 13, 9459.	1.6	67
5	Wind Speed Ensemble Forecasting Based on Deep Learning Using Adaptive Dynamic Optimization Algorithm. IEEE Access, 2021, 9, 125787-125804.	2.6	67
6	A Single DC Source Nine-Level Switched-Capacitor Boost Inverter Topology With Reduced Switch Count. IEEE Access, 2020, 8, 5840-5851.	2.6	61
7	Enhancing Diagnostic Accuracy of Transformer Faults Using Teaching-Learning-Based Optimization. IEEE Access, 2021, 9, 30817-30832.	2.6	58
8	Near-Optimal PI Controllers of STATCOM for Efficient Hybrid Renewable Power System. IEEE Access, 2021, 9, 34119-34130.	2.6	55
9	Robust Model Predictive Control Paradigm for Automatic Voltage Regulators against Uncertainty Based on Optimization Algorithms. Mathematics, 2021, 9, 2885.	1.1	55
10	Accuracy Improvement of Power Transformer Faults Diagnostic Using KNN Classifier With Decision Tree Principle. IEEE Access, 2021, 9, 81693-81701.	2.6	52
11	Adaptive Dynamic Meta-Heuristics for Feature Selection and Classification in Diagnostic Accuracy of Transformer Faults. IEEE Access, 2021, 9, 78324-78340.	2.6	49
12	Conditional probabilityâ€based interpretation of dissolved gas analysis for transformer incipient faults. IET Generation, Transmission and Distribution, 2017, 11, 943-951.	1.4	47
13	Design and Characterization of Compact Broadband Antenna and Its MIMO Configuration for 28 GHz 5G Applications. Electronics (Switzerland), 2022, 11, 523.	1.8	47
14	Advanced Ensemble Model for Solar Radiation Forecasting Using Sine Cosine Algorithm and Newtonâ€™s Laws. IEEE Access, 2021, 9, 115750-115765.	2.6	45
15	Multi-objective jellyfish search optimizer for efficient power system operation based on multi-dimensional OPF framework. Energy, 2021, 237, 121478.	4.5	45
16	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
17	A novel improved marine predators algorithm for combined heat and power economic dispatch problem. AEJ - Alexandria Engineering Journal, 2022, 61, 1834-1851.	3.4	42
18	A modified marine predators optimization algorithm for simultaneous network reconfiguration and distributed generator allocation in distribution systems under different loading conditions. Engineering Optimization, 2022, 54, 687-708.	1.5	41

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19	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
20	Accuracy Improvement of Transformer Faults Diagnostic Based on DGA Data Using SVM-BA Classifier. Energies, 2021, 14, 2970.	1.6	36
21	DGALab: an extensible software implementation for DGA. IET Generation, Transmission and Distribution, 2018, 12, 4117-4124.	1.4	35
22	General Mathematical Solution for Selective Harmonic Elimination. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 4440-4456.	3.7	32
23	Economic Power and Heat Dispatch in Cogeneration Energy Systems Using Manta Ray Foraging Optimizer. IEEE Access, 2020, 8, 208281-208295.	2.6	31
24	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
25	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
26	Robust interconnection and damping assignment energy-based control for a permanent magnet synchronous motor using high order sliding mode approach and nonlinear observer. Energy Reports, 2022, 8, 1731-1740.	2.5	29
27	Effective Transmission Congestion Management via Optimal DG Capacity Using Hybrid Swarm Optimization for Contemporary Power System Operations. IEEE Access, 2022, 10, 71091-71106.	2.6	27
28	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
29	Accurate Insulating Oil Breakdown Voltage Model Associated with Different Barrier Effects. Processes, 2021, 9, 657.	1.3	25
30	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
31	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
32	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
33	A Comprehensive Analysis of Wireless Charging Systems for Electric Vehicles. IEEE Access, 2022, 10, 43865-43881.	2.6	24
34	Transformer fault types and severity class prediction based on neural pattern-recognition techniques. Electric Power Systems Research, 2021, 191, 106899.	2.1	23
35	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
36	Downlink Performance Analysis in MIMO UAV-Cellular Communication With LOS/NLOS Propagation Under 3D Beamforming. IEEE Access, 2022, 10, 6650-6659.	2.6	22

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37	Improvement of Trajectory Tracking by Robot Manipulator Based on a New Co-Operative Optimization Algorithm. Mathematics, 2021, 9, 3231.	1.1	22
38	Intelligent Torque Allocation Based Coordinated Switching Strategy for Comfort Enhancement of Hybrid Electric Vehicles. IEEE Access, 2022, 10, 58097-58115.	2.6	22
39	Fuzzy-Energy-Management-Based Intelligent Direct Torque Control for a Batteryâ€"Supercapacitor Electric Vehicle. Sustainability, 2022, 14, 8407.	1.6	22
40	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
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	Intelligent Speed Control and Performance Investigation of a Vector Controlled Electric Vehicle Considering Driving Cycles. Electronics (Switzerland), 2022, 11, 1925.	1.8	18
43	Novel Design of Slim Mould Optimizer for the Solution of Optimal Power Flow Problems Incorporating Intermittent Sources: A Case Study of Algerian Electricity Grid. IEEE Access, 2022, 10, 22646-22661.	2.6	17
44	Refining DGA methods of IEC Code and Rogers four ratios for transformer fault diagnosis. , 2016, , .		16
45	Design and Analysis of Polarization-Independent, Wide-Angle, Broadband Metasurface Absorber Using Resistor-Loaded Split-Ring Resonators. Electronics (Switzerland), 2022, 11, 1986.	1.8	16
46	Comparative Study of Full and Reduced Feature Scenarios for Health Index Computation of Power Transformers. IEEE Access, 2020, 8, 181326-181339.	2.6	14
47	Multi-Objective Optimization of 400 kV Composite Insulator Corona Ring Design. IEEE Access, 2022, 10, 27579-27590.	2.6	14
48	Optimal Location and Sizing of Distributed Generators in Power System Network with Power Quality Enhancement Using Fuzzy Logic Controlled D-STATCOM. Sustainability, 2022, 14, 3305.	1.6	14
49	Evaluation of dielectric breakdown strength of transformer oil with BaTiO3 and NiFe2O4 nanoparticles. Electrical Engineering, 2019, 101, 369-377.	1.2	13
50	Performance Assessment of Solar Generating Units Based on Coot Bird Metaheuristic Optimizer. IEEE Access, 2021, 9, 111616-111632.	2.6	13
51	Determination of Transformersâ€™ Insulating Paper State Based on Classification Techniques. Processes, 2021, 9, 427.	1.3	13
52	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
53	Mixture probability distribution functions using novel metaheuristic method in wind speed modeling. Ain Shams Engineering Journal, 2022, 13, 101613.	3.5	13
54	Prediction of insulating transformer oils breakdown voltage considering barrier effect based on artificial neural networks. Electrical Engineering, 2018, 100, 2231-2242.	1.2	12

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55	Breakdown performance of transformer oil in the presence of singleâ€phase nanocrystalline ZnO and nanoâ€partial substitution. IET Science, Measurement and Technology, 2019, 13, 737-745.	0.9	12
56	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
57	Transient Thermal Performance of Power Cable Ascertained Using Finite Element Analysis. Processes, 2021, 9, 438.	1.3	12
58	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
59	Improvement of Rogers four ratios and IEC Code methods for transformer fault diagnosis based on Dissolved Gas Analysis. , 2015, , .		11
60	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
61	Field-Dependent Pollution Model under Polluted Environments for Outdoor Polymeric Insulators. Polymers, 2022, 14, 516.	2.0	11
62	Householdsâ€™ Energy Choices in Rural Pakistan. Energies, 2022, 15, 3149.	1.6	11
63	Optimum grounding grid design by using an evolutionary algorithm. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	10
64	The Impact of Coil Position and Number on Wireless System Performance for Electric Vehicle Recharging. Sensors, 2021, 21, 4343.	2.1	10
65	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
66	Cost Minimizations and Performance Enhancements of Power Systems Using Spherical Prune Differential Evolution Algorithm Including Modal Analysis. Sustainability, 2021, 13, 8113.	1.6	9
67	Robust Design of Power System Stabilizers Using Improved Harris Hawk Optimizer for Interconnected Power System. Sustainability, 2021, 13, 11776.	1.6	9
68	Multi-dimensional energy management based on an optimal power flow model using an improved quasi-reflection jellyfish optimization algorithm. Engineering Optimization, 2023, 55, 907-929.	1.5	9
69	Control the cost, touch and step voltages of the grounding grids design. IET Science, Measurement and Technology, 2016, 10, 943-951.	0.9	8
70	Classification of Cellulosic Insulation State Based on Smart Life Prediction Approach (SLPA). Processes, 2021, 9, 981.	1.3	8
71	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
72	An efficient compensation of modified DSTATCOM for improving microgrid operation. AEJ - Alexandria Engineering Journal, 2022, 61, 5501-5516.	3.4	8

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73	Experimental Investigation of an Adaptive Fuzzy-Neural Fast Terminal Synergetic Controller for Buck DC/DC Converters. Sustainability, 2022, 14, 7967.	1.6	7
74	Comparative study between dorneneburg and rogers methods for transformer fault diagnosis based on dissolved gas analysis using Matlab Simulink Tools. , 2015, , .		6
75	Selective harmonic elimination method for unequal DC sources of multilevel inverters. Automatika, 2019, 60, 378-384.	1.2	6
76	A new approach of tap changer maintenance incorporating nanoparticle insulating oil. Electrical Engineering, 2021, 103, 931-944.	1.2	6
77	Fault Detection Algorithms for Achieving Service Continuity in Photovoltaic Farms. Intelligent Automation and Soft Computing, 2021, 29, 467-479.	1.6	6
78	Diagnostic Modelling for Induction Motor Faults via ANFIS Algorithm and DWT-Based Feature Extraction. Applied Sciences (Switzerland), 2021, 11, 9115.	1.3	6
79	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
80	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
81	A Non-Isolated Hybrid Zeta Converter with a High Voltage Gain and Reduced Size of Components. Electronics (Switzerland), 2022, 11, 483.	1.8	6
82	Improved Design of Square Grounding Grids. , 2006, , .		5
83	A Decision Transformer Fault Diagnostics System Based on Dissolved Gas Analysis. , 2019, , .		5
84	Experimental validation of advanced SP-SAF based on intelligent controllers for power quality enhancement. Energy Reports, 2022, 8, 3018-3029.	2.5	5
85	Investigation on New Metaheuristic Algorithms for Solving Dynamic Combined Economic Environmental Dispatch Problems. Sustainability, 2022, 14, 5554.	1.6	5
86	Coordinated Design of Type-2 Fuzzy Leadâ€“Lag-Structured SSSCs and PSSs for Power System Stability Improvement. Sustainability, 2022, 14, 6656.	1.6	5
87	Self-Regulated Single-phase Induction Generator for Variable Speed Stand-alone WECS. Intelligent Automation and Soft Computing, 2021, 28, 715-727.	1.6	4
88	SMART HOME AUTOMATION AND SECURITY SYSTEM DESIGN BASED ON IOT APPLICATIONS. ASEAN Engineering Journal, 2019, 9, 57-71.	0.2	4
89	Quasi-Reflection Jellyfish Optimizer for Optimal Power Flow in Electrical Power Systems. Studies in Informatics and Control, 2022, 31, 49-58.	0.6	4
90	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

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91	Surface Potential Calculation for Grounding Grids. , 2006, , .		3
92	Evolutionary strategy technique to optimize the grounding grids design. , 2012, , .		3
93	A Quad-Band RF Circuit for Enhancement of Energy Harvesting. Electronics (Switzerland), 2021, 10, 1160.	1.8	3
94	Prediction of Transformer Oil Breakdown Voltage with Barriers Using Optimization Techniques. Intelligent Automation and Soft Computing, 2022, 31, 1593-1610.	1.6	3
95	Measurement of earth surface potential using scale model. , 2007, , .		2
96	Grounding resistance, step and touch voltages for a driven vertical rod into two layer model soil. , 2010, , .		2
97	Framework for optimal grounding system design concerning IEEE standard. Electrical Engineering, 2019, 101, 1261-1276.	1.2	2
98	Investigation of Insulating Oils in Presence of Impurities. , 2019, , .		2
99	Optimized Thin-Film Organic Solar Cell with Enhanced Efficiency. Sustainability, 2021, 13, 13087.	1.6	2
100	Effect of Isothermal Conditions on the Charge Trapping/Detrapping Parameters in e-Beam Irradiated Thermally Aged XLPE Insulation in SEM. Materials, 2022, 15, 1918.	1.3	2
101	Evaluation of Radio Communication Links of 4G Systems. Sensors, 2022, 22, 3923.	2.1	2
102	Classical Control for Unequal DC Sources Five-Level Inverter-Based SHE Technique. Energies, 2020, 13, 4715.	1.6	1
103	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
104	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
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	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
107	Fault Diagnostics and Tolerance Analysis of a Microgrid System Using Hamiltonâ€“Jacobiâ€“Isaacs Equation and Game Theoretic Estimations in Sliding Mode Observers. Sensors, 2022, 22, 1597.	2.1	1
108	Cone Model in Resource Provisioning for Service-Oriented Architecture System: An Effective Network Management to the Internet of Things. IEEE Access, 2022, 10, 61385-61397.	2.6	1

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109	CLASSIFICATION OF PARTIAL DISCHARGE FAULTS BASED ON SIGNAL PEAKS AND LOCATIONS. Journal of Applied Hematology, 2018, 16, .	0.1	0
110	Multilevel converter integration for low voltage ride through controlling renewable wind energy conversion systems. Journal of Engineering Research, 2021, 9, .	0.4	0
111	Transient impedance of grounding system with impulse superimposed sinewave. Energy and Thermofluids Engineering, 2021, 1, 8-12.	0.2	0
112	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
113	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
114	Efficient Data Compression of ECG Signal Based on Modified Discrete Cosine Transform. Computers, Materials and Continua, 2022, 71, 4391-4408.	1.5	0
115	Magnetic field evaluation around 400 KV underground power cable under harmonics effects. Diagnostyka, 2022, , 1-10.	0.5	0