Ahmed N Abdalla

List of Publications by Year
in descending order

97 papers	2,063 citations	279798 23 h-index	265206 42 g-index
98 all docs	98 docs citations	98 times ranked	1779 citing authors

#	Article	IF	Citations
1	Assessment of loading phase change material into net meter building to boost excess electricity generation. Journal of Building Engineering, 2022, 52, 104386.	3.4	1
2	Cryogenic-Energy-Storage-Based Optimized Green Growth of an Integrated and Sustainable Energy System. Sustainability, 2022, 14, 5301.	3.2	7
3	An Energy Storage Assessment: Using Frequency Modulation Approach to Capture Optimal Coordination. Sustainability, 2022, 14, 8510.	3.2	16
4	Metaheuristic searching genetic algorithm based reliability assessment of hybrid power generation system. Energy Exploration and Exploitation, 2021, 39, 488-501.	2.3	18
5	Long Range Ultrasonic Testing System Based on Lamb Wave Method for Validation an Optimized Piezoelectric Sensor Gap Array. Lecture Notes in Electrical Engineering, 2021, , 205-217.	0.4	2
6	Efficient Topology for DC-DC Boost Converter Based on Charge Pump Capacitor for Renewable Energy System. International Journal of Photoenergy, 2021, 2021, 1-13.	2.5	7
7	Harmonics mitigation for Supercapacitor and Active Power Filter based Double Closed Loop Control. International Journal of Electronics, 2021, 108, 1803-1820.	1.4	7
8	Investigation the effect of heat treatment on brass defect measurement using Eddy Current Testing. Journal of Physics: Conference Series, 2021, 1874, 012060.	0.4	1
9	Integration of energy storage system and renewable energy sources based on artificial intelligence: An overview. Journal of Energy Storage, 2021, 40, 102811.	8.1	110
10	Effect of swirl at intake manifold on engine performance using ethanol fuel blend. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 73-88.	2.3	6
11	The robustness assessment of doubly fed induction generator-wind turbine during short circuit. Energy and Environment, 2020, 31, 570-582.	4.6	17
12	Air cooling techniques and corresponding impacts on combined cycle power plant (CCPP) performance: A review. International Journal of Refrigeration, 2020, 120, 161-177.	3.4	16
13	Effect of Crack on Bending Process for S55c Carbon Steel with Ultrasonic Testing on Zero Degree Probes. Journal of Physics: Conference Series, 2020, 1532, 012027.	0.4	4
14	Implementation of Adaptive Neuro-fuzzy Model to Optimize Operational Process of Multiconfiguration Gas-Turbines. Advances in High Energy Physics, 2020, 2020, 1-17.	1.1	1
15	Garra Rufaâ€inspired optimization technique. International Journal of Intelligent Systems, 2020, 35, 1831-1856.	5.7	23
16	Improving the Performance of Doubly Fed Induction Generator Using Fault Tolerant Controlâ€"A Hierarchical Approach. Applied Sciences (Switzerland), 2020, 10, 924.	2.5	17
17	Solar irradiance measurement instrumentation and power solar generation forecasting based on Artificial Neural Networks (ANN): A review of five years research trend. Science of the Total Environment, 2020, 715, 136848.	8.0	113
18	Improving the performance of silicon solar cell by optimizing metallization. Measurement and Control, 2020, 53, 742-747.	1.8	1

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19	Comparison of Small-Scale Wind Energy Conversion Systems: Economic Indexes. Clean Technologies, 2020, 2, 144-155.	4.2	20
20	A New Efficient Step-Up Boost Converter with CLD Cell for Electric Vehicle and New Energy Systems. Energies, 2020, 13, 1791.	3.1	33
21	The Contribution of Wind Energy Capacity on Generation Systems Adequacy Reliability using Differential Evolution Optimization Algorithm. Advances in Science, Technology and Engineering Systems, 2020, 5, 331-340.	0.5	0
22	Clinical Decision Support System Based on KNN/Ontology Extraction Method. , 2020, , .		0
23	Secured Data Collection With Hardware-Based Ciphers for IoT-Based Healthcare. IEEE Internet of Things Journal, 2019, 6, 410-420.	8.7	135
24	Visual Object Tracking in RGB-D Data via Genetic Feature Learning. Complexity, 2019, 2019, 1-8.	1.6	6
25	Wind Energy Generation Assessment at Specific Sites in a Peninsula in Malaysia Based on Reliability Indices. Processes, 2019, 7, 399.	2.8	19
26	Hybrid GMR/IR probe to reduce the effects of lift-off. Measurement and Control, 2019, 52, 588-598.	1.8	11
27	Prediction of queuing length at metering roundabout using adaptive neuro fuzzy inference system. Measurement and Control, 2019, 52, 432-440.	1.8	5
28	Experimental and numerical investigation of heat transfer augmentation in heat sinks using perforation technique. Applied Thermal Engineering, 2019, 160, 113974.	6.0	39
29	Prediction of emissions and performance of a gasoline engine running with fusel oilâ€"gasoline blends using response surface methodology. Fuel, 2019, 253, 1-14.	6.4	45
30	Wavelet analysis of an SI engine cycle-to-cycle variations fuelled with the blending of gasoline -fusel oil at a various water content. Energy Conversion and Management, 2019, 183, 746-752.	9.2	24
31	Differential Evolution Optimization Algorithm Based on Generation Systems Reliability Assessment Integrated with Wind Energy. , 2019, , .		1
32	Challenges in improving the performance of eddy current testing: Review. Measurement and Control, 2019, 52, 46-64.	1.8	90
33	Performance and emissions of gasoline blended with fusel oil that a potential using as an octane enhancer. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 931-947.	2.3	12
34	A comprehensive review on the exergy analysis of combined cycle power plants. Renewable and Sustainable Energy Reviews, 2018, 90, 835-850.	16.4	91
35	Prediction of small hydropower plant power production in Himreen Lake dam (HLD) using artificial neural network. AEJ - Alexandria Engineering Journal, 2018, 57, 211-221.	6.4	70
36	Experimental study on the effect of perforations shapes on vertical heated fins performance under forced convection heat transfer. International Journal of Heat and Mass Transfer, 2018, 118, 832-846.	4.8	68

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37	Deceptive jamming suppression in multistatic radar based on coherent clustering. Journal of Systems Engineering and Electronics, 2018, 29, 269-277.	2.2	15
38	Construct Coil Probe Using GMR Sensor for Eddy Current Testing. MATEC Web of Conferences, 2018, 225, 02021.	0.2	4
39	Investigate the effect of lift-off on eddy current signal for carbon steel plate. MATEC Web of Conferences, 2018, 225, 06005.	0.2	7
40	A Novel Eddy Current Testing Error Compensation Technique Based on Mamdani-Type Fuzzy Coupled Differential and Absolute Probes. Sensors, 2018, 18, 2108.	3.8	18
41	Optimization Health Care Resources in Sensor Network Using Fuzzy Logic Controller. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 595-604.	0.7	0
42	The optimum performance of the combined cycle power plant: A comprehensive review. Renewable and Sustainable Energy Reviews, 2017, 79, 459-474.	16.4	83
43	Computational techniques for assessing the reliability and sustainability of electrical power systems: A review. Renewable and Sustainable Energy Reviews, 2017, 80, 1175-1186.	16.4	55
44	Peak-to-average power ratio reduction based on optimized phase shift technique. , 2017, , .		0
45	An Eddy Current Testing Platform System for Pipe Defect Inspection Based on an Optimized Eddy Current Technique Probe Design. Sensors, 2017, 17, 579.	3.8	53
46	Review on system development in eddy current testing and technique for defect classification and characterization. IET Circuits, Devices and Systems, 2017, 11, 338-351.	1.4	40
47	Adaptive Neuro-Fuzzy Inference System Model Based on the Width and Depth of the Defect in an Eddy Current Signal. Applied Sciences (Switzerland), 2017, 7, 668.	2.5	13
48	Advanced Wind Speed Prediction Model Based on a Combination of Weibull Distribution and an Artificial Neural Network. Energies, 2017, 10, 1744.	3.1	47
49	Neural-Fuzzy model Based Steel Pipeline Multiple Cracks Classification. Journal of Physics: Conference Series, 2017, 914, 012018.	0.4	0
50	Investigate of the Effect of Width Defect on Eddy Current Testing Signals under Different Materials. Indian Journal of Science and Technology, 2017, 10, .	0.7	7
51	Reliability Assessment of Power Generation Systems Using Intelligent Search Based on Disparity Theory. Energies, 2017, 10, 343.	3.1	12
52	Development of Neuron Ion Channel Model using Colored Noise Terms in the Conductance. Research Journal of Applied Sciences, Engineering and Technology, 2017, 14, 262-270.	0.1	0
53	Reliability Assessment of Generating Systems with Wind Power Penetration via BPSO. International Journal on Advanced Science, Engineering and Information Technology, 2017, 7, 1248.	0.4	8
54	Overview Between Clustering and Load Balancing. Advanced Science Letters, 2017, 23, 11109-11113.	0.2	0

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55	Subsurface Defects Evaluation using Eddy Current Testing. Indian Journal of Science and Technology, 2016, 9, .	0.7	26
56	Giant Magnetoresistance Sensors: A Review on Structures and Non-Destructive Eddy Current Testing Applications. Sensors, 2016, 16, 298.	3.8	73
57	ECCM schemes in netted radar system based on temporal pulse diversity. Journal of Systems Engineering and Electronics, 2016, 27, 1001-1009.	2.2	7
58	Effect of Wind Energy Unit Availability on Power System Adequacy. Indian Journal of Science and Technology, 2016, 9, .	0.7	3
59	Design MIMO Switch Architecture Based IEC 61850 Standard of Substation Automation Systems. Research Journal of Applied Sciences, Engineering and Technology, 2015, 10, 401-407.	0.1	1
60	An investigation of the coefficient of variation using voltage clamps techniques. International Journal of Basic and Applied Sciences, 2015, 4, 364-370.	0.2	0
61	Joint clipping and amplifying techniques for PAPR reduction in OFDM systems. , 2015, , .		1
62	DTC-SVM Based on PI Torque and PI Flux Controllers to Achieve High Performance of Induction Motor. Research Journal of Applied Sciences, Engineering and Technology, 2014, 7, 875-891.	0.1	15
63	Prediction of Vehicle Fuel Consumption Model Based on Artificial Neural Network. Applied Mechanics and Materials, 2014, 492, 3-6.	0.2	6
64	Robust Image Watermarking Theories and Techniques: A Review. Journal of Applied Research and Technology, 2014, 12, 122-138.	0.9	147
65	Optimal placement and sizing of distributed generators based on a novel MPSI index. International Journal of Electrical Power and Energy Systems, 2014, 60, 389-398.	5.5	39
66	Evaluating the managerial behavior of managing knowledge in Chinese SMEs. Information Technology and Management, 2013, 14, 159-165.	2.4	27
67	Design and develop automatic battery cyclic tester. , 2013, , .		3
68	An Optimized 2.4GHz RF Power Amplifier Performance for WLAN System. IOP Conference Series: Earth and Environmental Science, 2013, 16, 012117.	0.3	0
69	Response Surface Method in-cooperating embedded system for bus route optimization. , 2013, , .		0
70	A new parameters identification of single area power system based LFC using Segmentation Particle Swarm Optimization (SePSO) algorithm. , 2013, , .		12
71	Radial Basis Function Neural Network Model for Optimizing Thermal Annealing Process Operating Condition. Nano Hybrids, 2013, 4, 21-31.	0.3	2
72	An Investigation of Scaled-FLC Using PSO for Multi-area Power System Load Frequency Control. Energy and Power Engineering, 2013, 05, 458-462.	0.8	11

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73	Modified Direct Torque Control using Algorithm Control of Stator Flux Estimation and Space Vector Modulation Based on Fuzzy Logic Control for Achieving High Performance from Induction Motors. Journal of Power Electronics, 2013, 13, 369-380.	1.5	19
74	A Ripple Minimization Strategy For Matrix Converter Using Hybrid PSO. Procedia Engineering, 2012, 38, 111-124.	1.2	2
75	Advanced Control of Hybrid-PLC System. Procedia Engineering, 2012, 38, 218-225.	1.2	8
76	Optimization of Hot Wire Mass Airflow Sensor by Using Fuzzy Logic Controller. Procedia Engineering, 2012, 38, 226-237.	1.2	0
77	Improved Close Loop Stator Flux Estimation of Direct Torque Control Drive. Procedia Engineering, 2012, 38, 572-577.	1.2	3
78	A wavelet-based particle swarm optimization algorithm for digital image watermarking. Integrated Computer-Aided Engineering, 2012, 19, 81-91.	4.6	82
79	Adaptive Speed Estimation of induction motor Based on Neural network Inverse Control. Procedia Engineering, 2011, 15, 4188-4193.	1.2	7
80	Gas Turbine Configuration for Improving the performance of Combined Cycle Power Plant. Procedia Engineering, 2011, 15, 4216-4223.	1.2	51
81	Design of smart energy level controller for UMP buildings. , 2011, , .		0
82	Sophisticated Educational Software for Dentistry Students using Dental Measurement System (DEMS). Procedia, Social and Behavioral Sciences, 2011, 28, 133-138.	0.5	0
83	Managing Registration of New Student Intake using ORNSIS-Integrated Barcode Technology. Procedia, Social and Behavioral Sciences, 2011, 28, 144-150.	0.5	1
84	Study on improving electric vehicle drive range using solar energy. , 2011, , .		12
85	Neural Network Prediction of Electromagnetic Field Strength in Hybrid Micro-Grid System. International Journal of Soft Computing, 2010, 5, 62-66.	0.4	1
86	Winner-Take-All Neural Network with Massively Optoelectronic Interconnections. American Journal of Applied Sciences, 2009, 6, 268-272.	0.2	0
87	Detrended fluctuation analysis as a statistical method to study ion single channel signal. Cell Biology International, 2008, 32, 247-252.	3.0	29
88	Efficacy and safety of desloratadine combined with dipyridamole in the treatment of chronic urticaria. Journal of the European Academy of Dermatology and Venereology, 2008, 22, 487-492.	2.4	30
89	A Novel Database System Model Design for Tender Management System. Journal of Computer Science, 2008, 4, 463-466.	0.6	10
90	Design and Finite Element Analysis of Piezoresistive Cantilever with Stress Concentration Holes. , 2007, , .		17

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91	Design of CHWHG Type Low Frequency Magnetic Fields Generator. Journal of Computer Science, 2007, 3, 81-83.	0.6	5
92	The Solution to Linear Variation Inequality by Evolution Strategies. Journal of Applied Sciences, 2007, 7, 1181-1185.	0.3	0
93	Simulation Model of Brushless Excitation System. Journal of Applied Sciences, 2007, 7, 1186-1190.	0.3	1
94	Graph Partitioning applied to Fault Location in power transmission Lines. Journal of Applied Sciences, 2007, 7, 2327-2332.	0.3	1
95	The Application of Agent Technology on the Power Flow of Iraqi Supper Grid Network. American Journal of Applied Sciences, 2006, 3, 2174-2177.	0.2	4
96	Advance Two-Area Load Frequency Control Using Particle Swarm Optimization Scaled Fuzzy Logic. Advanced Materials Research, 0, 622-623, 80-85.	0.3	8
97	An adaptive filtering algorithm in pulse-Doppler radar for counteracting range-velocity jamming. International Journal of Electronics, 0, , 1-19.	1.4	0