

# Mahmoud Gilany

## List of Publications by Year in descending order

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32  
papers

468  
citations

1040056

9  
h-index

713466

21  
g-index

32  
all docs

32  
docs citations

32  
times ranked

360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and Diagnosis of Bearing Faults Under Fixed and Time-Varying Speed Conditions Using Persistence Spectrum and Multi-Scale Structural Similarity Index. IEEE Sensors Journal, 2022, 22, 2637-2646.	4.7	8
2	Adaptive Scheme for Detecting Induction Motor Incipient Broken Bar Faults at Various Load and Inertia Conditions. Sensors, 2022, 22, 365.	3.8	3
3	Enhancing distance relay performance using wide-area protection for detecting symmetrical/unsymmetrical faults during power swings. AEJ - Alexandria Engineering Journal, 2022, 61, 6869-6886.	6.4	5
4	Integration of Electric Vehicles in Home Energy Management Considering Urgent Charging and Battery Degradation. IEEE Access, 2021, 9, 47713-47730.	4.2	22
5	Proposed Application for Rate of Change of Phasor Voltage in Fault Detection and Coordination Studies in MV Distribution Networks. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2021, 45, 815-831.	2.3	4
6	Investigation of switching over-voltages with different wind farm topologies. Ain Shams Engineering Journal, 2021, 12, 2695-2707.	6.1	5
7	Broken Bar Faults Detection Under Induction Motor Starting Conditions Using the Optimized Stockwell Transform and Adaptive Time-Frequency Filter. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	16
8	Robust Coordination Scheme for Microgrids Protection Based on the Rate of Change of Voltage. IEEE Access, 2021, 9, 156283-156296.	4.2	4
9	Impact of First Tower Earthing Resistance on Fast Front Back-Flashover in a 66 kV Transmission System. Energies, 2020, 13, 4663.	3.1	4
10	Adaptive single-end transient-based scheme for detection and location of open conductor faults in HV transmission lines. Electric Power Systems Research, 2020, 182, 106252.	3.6	6
11	Harmonic resonance overvoltage due to main transformer energization in large wind farms, Zafarana, Egypt. Ain Shams Engineering Journal, 2019, 10, 731-743.	6.1	6
12	Electric Spring Technology in Small Scale Residential Microgrid. , 2019, , .		0
13	Harmonic Cancellation In Residential Buildings. , 2018, , .		3
14	Field experience with sympathetic tripping in distribution networks: problems and solutions. Journal of Engineering, 2018, 2018, 1181-1185.	1.1	7
15	A new impedance-based fault location scheme for overhead unbalanced radial distribution networks. Electric Power Systems Research, 2017, 142, 153-162.	3.6	44
16	Restoring recloser-fuse coordination in radial distribution networks with distributed generation. , 2017, , .		6
17	A single-end fault location for multi-tapped overhead distribution systems. , 2016, , .		0
18	An accurate technique for locating faults by distance relays. International Journal of Electrical Power and Energy Systems, 2011, 33, 477-484.	5.5	8

#	ARTICLE	IF	CITATIONS
19	A New Strategy for Determining Fault Zones in Distance Relays. IEEE Transactions on Power Delivery, 2008, 23, 1857-1863.	4.3	8
20	Traveling-Wave-Based Fault-Location Scheme for Multiend-Aged Underground Cable System. IEEE Transactions on Power Delivery, 2007, 22, 82-89.	4.3	138
21	A discrete dynamic filter for detecting and compensating CT saturation. Electric Power Systems Research, 2007, 77, 527-533.	3.6	13
22	A PLC Controller Algorithm for Optimum Operation of Photovoltaic-Battery System. , 2006, , .		3
23	Problems in Distribution Networks. , 2006, , .		5
24	Fault location scheme for combined overhead line with underground power cable. Electric Power Systems Research, 2006, 76, 928-935.	3.6	46
25	A Phasor-Based Double Ended Fault Location Scheme for Aged Power Cables. Electric Power Components and Systems, 2006, 34, 417-432.	1.8	3
26	A Proposed Circuit for Controlling the Reactive Power in Electrical Networks. , 2006, , .		1
27	A Logic-Based Technique for Backup Protective Relays. Electric Power Components and Systems, 2005, 33, 1403-1410.	1.8	0
28	Travelling Wave-Based Fault Location Scheme for Aged Underground Cable Combined with Overhead Line. International Journal of Emerging Electric Power Systems, 2005, 2, .	0.8	5
29	Generator stator winding protection with 100% enhanced sensitivity. International Journal of Electrical Power and Energy Systems, 2002, 24, 167-172.	5.5	7
30	The Egyptian Electricity Authority strategy for distance relay setting: problems and solutions. Electric Power Systems Research, 2000, 56, 89-94.	3.6	12
31	A laboratory investigation of a digital protection technique for parallel transmission lines. IEEE Transactions on Power Delivery, 1995, 10, 187-193.	4.3	21
32	A digital protection technique for parallel transmission lines using a single relay at each end. IEEE Transactions on Power Delivery, 1992, 7, 118-125.	4.3	55