

# Mohamed A Hassan

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

584  
citations

840776

11  
h-index

839539

18  
g-index

25  
all docs

25  
docs citations

25  
times ranked

582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Design of Microgrids in Autonomous and Grid-Connected Modes Using Particle Swarm Optimization. IEEE Transactions on Power Electronics, 2011, 26, 755-769.	7.9	261
2	IoT-based optimal demand side management and control scheme for smart microgrid. International Journal of Electrical Power and Energy Systems, 2021, 127, 106674.	5.5	64
3	Real Time Energy Management and Control of Renewable Energy based Microgrid in Grid Connected and Island Modes. Energies, 2019, 12, 276.	3.1	48
4	ANFIS-MOA models for the assessment of groundwater contamination vulnerability in a nitrate contaminated area. Journal of Environmental Management, 2021, 286, 112162.	7.8	26
5	RTDS Implementation of STATCOM-Based Power System Stabilizers. Canadian Journal of Electrical and Computer Engineering, 2014, 37, 48-56.	2.0	24
6	Islanding Detection Methods for Microgrids: A Comprehensive Review. Mathematics, 2021, 9, 3174.	2.2	22
7	Dynamic Stability of an Autonomous Microgrid Considering Active Load Impact With a New Dedicated Synchronization Scheme. IEEE Transactions on Power Systems, 2018, 33, 4994-5005.	6.5	21
8	Performance Evaluation of 230 kV Polymer Insulators in the Coastal Area of Saudi Arabia. IEEE Access, 2020, 8, 164292-164303.	4.2	15
9	Real Time-Based under Frequency Control and Energy Management of Microgrids. Electronics (Switzerland), 2020, 9, 1487.	3.1	13
10	Real time implementation and optimal design of autonomous microgrids. Electric Power Systems Research, 2014, 109, 118-127.	3.6	12
11	On the Degradation Mechanism of Low-Voltage Underground Cable with Poly(Vinyl Chloride) Insulation. Journal of Materials Engineering and Performance, 2016, 25, 2288-2295.	2.5	12
12	Power Management, Voltage Control and Grid Synchronization of Microgrids in Real Time. Arabian Journal for Science and Engineering, 2021, 46, 1411-1429.	3.0	11
13	A Proposed ANN-Based Acceleration Control Scheme for Soft Starting Induction Motor. IEEE Access, 2021, 9, 4253-4265.	4.2	10
14	Optimal Power Control of Inverter-Based Distributed Generations in Grid-Connected Microgrid. Sustainability, 2019, 11, 5828.	3.2	9
15	Optimal autonomous control of an inverter-based microgrid using particle swarm optimization. , 2010, , .		7
16	Optimal Design and Real Time Implementation of Autonomous Microgrid Including Active Load. Energies, 2018, 11, 1109.	3.1	7
17	Dynamic Stability Performance of Autonomous Microgrid Involving High Penetration Level of Constant Power Loads. Mathematics, 2021, 9, 922.	2.2	6
18	Adaptive Valve Stiction Compensation Using Differential Evolution. Journal of Chemical Engineering of Japan, 2018, 51, 407-417.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Design of Power System Stabilizer Using Phase Based Objective Function and Heuristic Algorithm. , 2019, , .		4
20	Dynamic performance improvement of an inverter-based grid-connected microgrid. , 2013, , .		2
21	Dynamic Modeling and Feedback Linearization Control of a 3-D Overhead Gantry Crane System. , 2021, , .		2
22	Synthesis of superlattice heterostructure of germanium quantum dots in silicon spacer layers and its application in photovoltaic solar cells. Superlattices and Microstructures, 2021, 155, 106924.	3.1	2
23	RTDS implementation of STATCOM based stabilizer for power system stability enhancement. , 2013, , .		1
24	Control of electric unicycles. , 2017, , .		0
25	A Comparative Study of Valve Stiction Compensation: Knocker Based Methods. , 2018, , .		0