

# 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  | 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        |
| 2  | 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        |
| 3  | Dynamic Stability Performance of Autonomous Microgrid Involving High Penetration Level of Constant Power Loads. Mathematics, 2021, 9, 922.  | 2.2 | 6         |
| 4  | Dynamic Modeling and Feedback Linearization Control of a 3-D Overhead Gantry Crane System. , 2021, , .  |     | 2         |
| 5  | 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        |
| 6  | 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         |
| 7  | A Proposed ANN-Based Acceleration Control Scheme for Soft Starting Induction Motor. IEEE Access, 2021, 9, 4253-4265.  | 4.2 | 10        |
| 8  | Islanding Detection Methods for Microgrids: A Comprehensive Review. Mathematics, 2021, 9, 3174.   | 2.2 | 22        |
| 9  | Real Time-Based under Frequency Control and Energy Management of Microgrids. Electronics (Switzerland), 2020, 9, 1487.  | 3.1 | 13        |
| 10 | Performance Evaluation of 230 kV Polymer Insulators in the Coastal Area of Saudi Arabia. IEEE Access, 2020, 8, 164292-164303.   | 4.2 | 15        |
| 11 | Design of Power System Stabilizer Using Phase Based Objective Function and Heuristic Algorithm. , 2019, , .   |     | 4         |
| 12 | Real Time Energy Management and Control of Renewable Energy based Microgrid in Grid Connected and Island Modes. Energies, 2019, 12, 276.  | 3.1 | 48        |
| 13 | Optimal Power Control of Inverter-Based Distributed Generations in Grid-Connected Microgrid. Sustainability, 2019, 11, 5828.  | 3.2 | 9         |
| 14 | 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        |
| 15 | A Comparative Study of Valve Stiction Compensation: Knocker Based Methods. , 2018, , .  |     | 0         |
| 16 | Adaptive Valve Stiction Compensation Using Differential Evolution. Journal of Chemical Engineering of Japan, 2018, 51, 407-417.   | 0.6 | 5         |
| 17 | Optimal Design and Real Time Implementation of Autonomous Microgrid Including Active Load. Energies, 2018, 11, 1109.  | 3.1 | 7         |
| 18 | Control of electric unicycles. , 2017, , .  |     | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | On the Degradation Mechanism of Low-Voltage Underground Cable with Poly(Vinyl Chloride) Insulation. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 2288-2295. | 2.5 | 12        |
| 20 | RTDS Implementation of STATCOM-Based Power System Stabilizers. <i>Canadian Journal of Electrical and Computer Engineering</i> , 2014, 37, 48-56.                                   | 2.0 | 24        |
| 21 | Real time implementation and optimal design of autonomous microgrids. <i>Electric Power Systems Research</i> , 2014, 109, 118-127.   | 3.6 | 12        |
| 22 | RTDS implementation of STATCOM based stabilizer for power system stability enhancement. , 2013, , .  |     | 1         |
| 23 | Dynamic performance improvement of an inverter-based grid-connected microgrid. , 2013, , .   |     | 2         |
| 24 | Optimal Design of Microgrids in Autonomous and Grid-Connected Modes Using Particle Swarm Optimization. <i>IEEE Transactions on Power Electronics</i> , 2011, 26, 755-769.          | 7.9 | 261       |
| 25 | Optimal autonomous control of an inverter-based microgrid using particle swarm optimization. , 2010, , .   |     | 7         |