# Ehab Ali

## List of Publications by Citations

| 40 papers | 2,625 citations | 30 h-index | 40 g-index |
|---|---|---|---|
| 40 ext. papers | 3,218 ext. citations | 4.5 avg, IF | 6.19 L-index |

| # | Paper | IF | Citations |
|---|-------|----|-----------|
| 40 | Bacteria foraging optimization algorithm based load frequency controller for interconnected power system. *International Journal of Electrical Power and Energy Systems*, **2011**, 33, 633-638 | 5.1 | 289 |
| 39 | Ant Lion Optimization Algorithm for optimal location and sizing of renewable distributed generations. *Renewable Energy*, **2017**, 101, 1311-1324 | 8.1 | 167 |
| 38 | BFOA based design of PID controller for two area Load Frequency Control with nonlinearities. *International Journal of Electrical Power and Energy Systems*, **2013**, 51, 224-231 | 5.1 | 153 |
| 37 | Ant Lion Optimization Algorithm for Renewable Distributed Generations. *Energy*, **2016**, 116, 445-458 | 7.9 | 152 |
| 36 | Optimization of Power System Stabilizers using BAT search algorithm. *International Journal of Electrical Power and Energy Systems*, **2014**, 61, 683-690 | 5.1 | 121 |
| 35 | Cuckoo Search algorithm based load frequency controller design for nonlinear interconnected power system. *International Journal of Electrical Power and Energy Systems*, **2015**, 73, 632-643 | 5.1 | 115 |
| 34 | Implementation of flower pollination algorithm for solving economic load dispatch and combined economic emission dispatch problems in power systems. *Energy*, **2016**, 101, 506-518 | 7.9 | 114 |
| 33 | Combined economic and emission dispatch solution using Flower Pollination Algorithm. *International Journal of Electrical Power and Energy Systems*, **2016**, 80, 264-274 | 5.1 | 110 |
| 32 | Flower Pollination Algorithm and Loss Sensitivity Factors for optimal sizing and placement of capacitors in radial distribution systems. *International Journal of Electrical Power and Energy Systems*, **2016**, 78, 207-214 | 5.1 | 109 |
| 31 | Load frequency controller design of a two-area system composing of PV grid and thermal generator via firefly algorithm. *Neural Computing and Applications*, **2018**, 30, 607-616 | 4.8 | 97 |
| 30 | Load frequency controller design via BAT algorithm for nonlinear interconnected power system. *International Journal of Electrical Power and Energy Systems*, **2016**, 77, 166-177 | 5.1 | 90 |
| 29 | Optimal Power System Stabilizers design via Cuckoo Search algorithm. *International Journal of Electrical Power and Energy Systems*, **2016**, 75, 99-107 | 5.1 | 83 |
| 28 | Improved Harmony Algorithm and Power Loss Index for optimal locations and sizing of capacitors in radial distribution systems. *International Journal of Electrical Power and Energy Systems*, **2016**, 80, 252-263 | 5.1 | 81 |
| 27 | A hybrid Particle Swarm Optimization and Bacterial Foraging for optimal Power System Stabilizers design. *International Journal of Electrical Power and Energy Systems*, **2013**, 46, 334-341 | 5.1 | 81 |
| 26 | Coordinated design of PSSs and TCSC via bacterial swarm optimization algorithm in a multimachine power system. *International Journal of Electrical Power and Energy Systems*, **2012**, 36, 84-92 | 5.1 | 74 |
| 25 | MPPT control design of PV system supplied SRM using BAT search algorithm. *Sustainable Energy, Grids and Networks*, **2015**, 2, 51-60 | 3.6 | 68 |
| 24 | PI controller design for MPPT of photovoltaic system supplying SRM via BAT search algorithm. *Neural Computing and Applications*, **2017**, 28, 651-667 | 4.8 | 55 |

| 23 | Optimal allocation and sizing of renewable distributed generation using ant lion optimization algorithm. *Electrical Engineering*, **2018**, 100, 99-109 | 1.5 | 55 |
|----|---|---|---|
| 22 | Coordinated design of PSSs and SVC via bacteria foraging optimization algorithm in a multimachine power system. *International Journal of Electrical Power and Energy Systems*, **2012**, 41, 44-53 | 5.1 | 54 |
| 21 | Imperialist competitive algorithm for optimal STATCOM design in a multimachine power system. *International Journal of Electrical Power and Energy Systems*, **2016**, 76, 136-146 | 5.1 | 50 |
| 20 | Speed control of induction motor supplied by wind turbine via Imperialist Competitive Algorithm. *Energy*, **2015**, 89, 593-600 | 7.9 | 46 |
| 19 | Optimal location of STATCOM in multimachine power system for increasing loadability by Cuckoo Search algorithm. *International Journal of Electrical Power and Energy Systems*, **2016**, 80, 240-251 | 5.1 | 43 |
| 18 | ACO based speed control of SRM fed by photovoltaic system. *International Journal of Electrical Power and Energy Systems*, **2015**, 67, 529-536 | 5.1 | 43 |
| 17 | Mine blast algorithm for environmental economic load dispatch with valve loading effect. *Neural Computing and Applications*, **2018**, 30, 261-270 | 4.8 | 40 |
| 16 | Improved Harmony Algorithm for optimal locations and sizing of capacitors in radial distribution systems. *International Journal of Electrical Power and Energy Systems*, **2016**, 79, 275-284 | 5.1 | 39 |
| 15 | PI controller design using ABC algorithm for MPPT of PV system supplying DC motor pump load. *Neural Computing and Applications*, **2017**, 28, 353-364 | 4.8 | 37 |
| 14 | TCSC damping controller design based on bacteria foraging optimization algorithm for a multimachine power system. *International Journal of Electrical Power and Energy Systems*, **2012**, 37, 23-30 | 5.1 | 37 |
| 13 | Bacteria Foraging Optimization Algorithm based SVC damping controller design for power system stability enhancement. *International Journal of Electrical Power and Energy Systems*, **2012**, 43, 933-940 | 5.1 | 36 |
| 12 | Optimal locations and sizing of capacitors in radial distribution systems using mine blast algorithm. *Electrical Engineering*, **2018**, 100, 1-9 | 1.5 | 33 |
| 11 | Optimal SSSC design for damping power systems oscillations via Gravitational Search Algorithm. *International Journal of Electrical Power and Energy Systems*, **2016**, 82, 161-168 | 5.1 | 30 |
| 10 | A hybrid particle swarm optimization and bacterial foraging for power system stability enhancement. *Complexity*, **2015**, 21, 245-255 | 1.6 | 28 |
| 9 | Speed control of DC series motor supplied by photovoltaic system via firefly algorithm. *Neural Computing and Applications*, **2015**, 26, 1321-1332 | 4.8 | 23 |
| 8 | Speed control of SRM supplied by photovoltaic system via ant colony optimization algorithm. *Neural Computing and Applications*, **2017**, 28, 365-374 | 4.8 | 19 |
| 7 | Firefly algorithm-based load frequency controller design of a two area system composing of PV grid and thermal generator. *Electrical Engineering*, **2018**, 100, 1253-1262 | 1.5 | 17 |
| 6 | PI controller design via ABC algorithm for MPPT of PV system supplying DC motor pump load. *Electrical Engineering*, **2017**, 99, 505-518 | 1.5 | 11 |

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| 5 | PI controller design using artificial bee colony algorithm for MPPT of photovoltaic system supplied DC motor-pump load. *Complexity*, **2016**, 21, 99-111 | 1.6 | 10 |
| 4 | Stability improvement of multimachine power system via new coordinated design of PSSs and SVC. *Complexity*, **2015**, 21, 256-266 | 1.6 | 6 |
| 3 | ICA-based speed control of induction motor fed by wind turbine. *Neural Computing and Applications* , **2017**, 28, 1069-1077 | 4.8 | 5 |
| 2 | Imperialist competitive algorithm for speed control of induction motor supplied by wind turbine. *Electrical Engineering*, **2016**, 98, 179-187 | 1.5 | 3 |
| 1 | Hybrid BFOA-PSO approach for SSSC damping controller design **2013**, | | 1 |