

Provas Roy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177
papers

3,762
citations

36
h-index

58
g-index

203
ext. papers

4,669
ext. citations

2.2
avg, IF

6.52
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 177 | Nature-Inspired Algorithm Applied to a Renewable Energy-Integrating Hydro-Thermal Power Plant. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2022 , 21-36 | 0.4 | |
| 176 | Optimal Solution of Combined Heat and Power Dispatch Problem Using Whale Optimization Algorithm. <i>International Journal of Applied Metaheuristic Computing</i> , 2022 , 13, 0-0 | 0.8 | 0 |
| 175 | Whale Optimization Algorithm-Based DG Allotment for Loss Minimization of Distribution Networks. <i>International Journal of Applied Metaheuristic Computing</i> , 2022 , 13, 0-0 | 0.8 | |
| 174 | Conventional Controllers Applied for Frequency Regulation. <i>Studies in Systems, Decision and Control</i> , 2022 , 79-111 | 0.8 | |
| 173 | Model Order Reduction of Power Systems and Application of Internal Model Control (IMC). <i>Studies in Systems, Decision and Control</i> , 2022 , 173-197 | 0.8 | 0 |
| 172 | Small-Signal Stability Modelling of Hybrid Power System. <i>Studies in Systems, Decision and Control</i> , 2022 , 15-40 | 0.8 | |
| 171 | Optimization Techniques. <i>Studies in Systems, Decision and Control</i> , 2022 , 41-77 | 0.8 | |
| 170 | Advanced Controller Applied for Frequency Regulation. <i>Studies in Systems, Decision and Control</i> , 2022 , 113-143 | 0.8 | |
| 169 | Intelligent Controller Applied for Frequency Regulation and Robustness Study. <i>Studies in Systems, Decision and Control</i> , 2022 , 145-172 | 0.8 | 0 |
| 168 | Solution of short term integrated hydrothermal-solar-wind scheduling using sine cosine algorithm. <i>Energy Strategy Reviews</i> , 2022 , 40, 100824 | 9.8 | 3 |
| 167 | Application of chaotic quasi-oppositional whale optimization algorithm on CHPED problem integrated with wind-solar-EVs. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e13124 ^{2.2} | | |
| 166 | Disturbance observer aided optimised fractional-order three-degree-of-freedom tilt-integral-derivative controller for load frequency control of power systems. <i>IET Generation, Transmission and Distribution</i> , 2021 , 15, 716-736 | 2.5 | 19 |
| 165 | Performance evolution of different controllers for frequency regulation of a hybrid energy power system employing chaotic crow search algorithm. <i>ISA Transactions</i> , 2021 , 120, 128-128 | 5.5 | 11 |
| 164 | A novel chaotic symbiotic organisms search optimization in multilevel image segmentation. <i>Soft Computing</i> , 2021 , 25, 6973-6998 | 3.5 | 2 |
| 163 | Multi-Objective Hydro-Thermal Scheduling Problem Using Two Novel Optimization Techniques. <i>International Journal of Swarm Intelligence Research</i> , 2021 , 12, 1-36 | 1.1 | |
| 162 | Observer-aided resilient hybrid fractional-order controller for frequency regulation of hybrid power system. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e13014 | 2.2 | 4 |
| 161 | A Probabilistic Optimal Power Flow in Wind-Thermal Coordination Considering Intermittency of the Wind. <i>International Journal of Energy Optimization and Engineering</i> , 2021 , 10, 82-110 | 0.9 | 1 |

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| 160 | Renewable Energy Based Economic Emission Load Dispatch Using Grasshopper Optimization Algorithm 2021 , 869-890 | | |
| 159 | Oppositional Differential Search Algorithm for the Optimal Tuning of Both Single Input and Dual Input Power System Stabilizer. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2021 , 256-282 ³ | | |
| 158 | Economic Load Dispatch Incorporating Wind Power Using Hybrid Biogeography-Based Optimization. <i>International Journal of Applied Metaheuristic Computing</i> , 2021 , 12, 54-80 | 0.8 | 0 |
| 157 | Dynamic economic dispatch problem in hybrid wind based power systems using oppositional based chaotic grasshopper optimization algorithm. <i>Journal of Renewable and Sustainable Energy</i> , 2021 , 13, 013306 | 3.5 | 6 |
| 156 | Newly-Developed Swarm Intelligence Algorithms Applied to Renewable Energy-Based Load Dispatch Real-World Problems 2021 , 843-868 | | 1 |
| 155 | Metaheuristic Moth-Flame Optimization Applied on Renewable Wind Energy Incorporating Load Transmit Penetration. <i>International Journal of Applied Metaheuristic Computing</i> , 2021 , 12, 185-210 | 0.8 | 2 |
| 154 | Elephant Herding Optimization for Multi-Level Image Thresholding. <i>International Journal of Applied Metaheuristic Computing</i> , 2020 , 11, 64-90 | 0.8 | 3 |
| 153 | Optimal dispatch using moth-flame optimization for hydro-thermal-wind scheduling problem. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 30, e12460 | 2.2 | 7 |
| 152 | Symbiotic Organisms Search Optimization for Multilevel Image Thresholding. <i>International Journal of Swarm Intelligence Research</i> , 2020 , 11, 31-61 | 1.1 | 1 |
| 151 | Chaotic whale optimization algorithm for optimal solution of combined heat and power economic dispatch problem incorporating wind. <i>Renewable Energy Focus</i> , 2020 , 35, 56-71 | 5.4 | 20 |
| 150 | Application of hybrid multi-objective moth flame optimization technique for optimal performance of hybrid micro-grid system. <i>Applied Soft Computing Journal</i> , 2020 , 95, 106487 | 7.5 | 10 |
| 149 | Adaptive Symbiotic Organism Search Algorithm Optimized 3DOF-PID Controller for Load Frequency Control of Hybrid Power System 2020 , | | 2 |
| 148 | Optimal reconfiguration of capacitor based radial distribution system using chaotic quasi oppositional chemical reaction optimization. <i>Microsystem Technologies</i> , 2020 , 1 | 1.7 | 5 |
| 147 | Newly-Developed Swarm Intelligence Algorithms Applied to Renewable Energy-Based Load Dispatch Real-World Problems. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2020 , 1-26 | 0.4 | |
| 146 | Novel Chaotic Elephant Herding Optimization for Multilevel Thresholding of Color Image. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 281-294 | 0.4 | |
| 145 | Multi-Objective Short-Term Hydro-Thermal Scheduling Using Meta-Heuristic Approaches. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2020 , 382-414 | 0.4 | |
| 144 | Multi-Objective Optimal Power Flow of Integrated Renewable Systems Using a Novel Evolutionary Algorithm. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2020 , 160-194 | 0.4 | |
| 143 | Application of Moth-Flame Optimization Algorithm for the Determination of Maximum Loading Limit of Power System. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020 , 78-93 | 0.4 | |

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| 142 | Moth-Flame Optimization Algorithm Based Load Flow Analysis of Ill-Conditioned Power Systems. <i>International Journal of Applied Evolutionary Computation</i> , 2020 , 11, 1-27 | 0.6 | |
| 141 | State Estimation of Power Using the Whale Optimization Algorithm. <i>International Journal of Applied Metaheuristic Computing</i> , 2020 , 11, 194-213 | 0.8 | 0 |
| 140 | Renewable Energy-Based Economic Load Dispatch Using Two-Step Biogeography-Based Optimization and Butterfly Optimization Algorithm. <i>International Journal of Swarm Intelligence Research</i> , 2020 , 11, 24-60 | 1.1 | 2 |
| 139 | Electrostatic Discharge Algorithm for Economic Load Dispatch Problems Including Renewable Energy 2020 , | | 1 |
| 138 | Short Term Hydro-Thermal Scheduling Using Backtracking Search Algorithm. <i>International Journal of Applied Metaheuristic Computing</i> , 2020 , 11, 38-63 | 0.8 | 1 |
| 137 | A Probabilistic Multi-Objective Approach for Power Flow Optimization in Hybrid Wind-Based Power Systems Using Grasshopper Optimization Algorithm. <i>International Journal of Swarm Intelligence Research</i> , 2020 , 11, 61-86 | 1.1 | 1 |
| 136 | Quasi-oppositional JAYA optimized 2-degree-of-freedom PID controller for load-frequency control of interconnected power systems. <i>International Journal of Modelling and Simulation</i> , 2020 , 1-23 | 1.5 | 7 |
| 135 | . <i>IEEE Access</i> , 2020 , 8, 155971-155986 | 3.5 | 15 |
| 134 | Whale optimization algorithm applied to load frequency control of a mixed power system considering nonlinearities and PLL dynamics. <i>Energy Systems</i> , 2020 , 11, 699-728 | 1.7 | 22 |
| 133 | Grasshopper optimization algorithm scaled fractional order PI-D controller applied to reduced order model of load frequency control system. <i>International Journal of Modelling and Simulation</i> , 2020 , 40, 217-242 | 1.5 | 34 |
| 132 | Power flow based hydro-thermal-wind scheduling of hybrid power system using sine cosine algorithm. <i>Electric Power Systems Research</i> , 2020 , 178, 106018 | 3.5 | 36 |
| 131 | Quasi-oppositional Backtracking Search Algorithm to Solve Load Frequency Control Problem of Interconnected Power System. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020 , 44, 781-804 | 1.9 | 11 |
| 130 | Renewable Energy Based Economic Emission Load Dispatch Using Grasshopper Optimization Algorithm. <i>International Journal of Swarm Intelligence Research</i> , 2019 , 10, 38-57 | 1.1 | 12 |
| 129 | Oppositional elephant herding optimization with dynamic Cauchy mutation for multilevel image thresholding. <i>Evolutionary Intelligence</i> , 2019 , 12, 445-467 | 1.7 | 22 |
| 128 | Chemical Reaction Optimization to Solve Reconfiguration Problem Along with Capacitor of Radial Distribution System. <i>Communications in Computer and Information Science</i> , 2019 , 392-409 | 0.3 | |
| 127 | Oppositional symbiotic organisms search optimization for multilevel thresholding of color image. <i>Applied Soft Computing Journal</i> , 2019 , 82, 105577 | 7.5 | 29 |
| 126 | Binary Bat Algorithm Applied to Solve MISO-Type PID-SSSC-Based Load Frequency Control Problem. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2019 , 43, 323-342 | 1.9 | 13 |
| 125 | Application of Earthworm Optimization Algorithm for solution of Optimal Power Flow 2019 , | | 7 |

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| 124 | Evolutionary Oppositional Moth Flame Optimization for Renewable and Sustainable Wind Energy Based Economic Dispatch. <i>International Journal of Applied Evolutionary Computation</i> , 2019 , 10, 65-84 | 0.6 | 2 |
| 123 | Dynamic and Stability Analysis of Wind-Diesel-Generator System With Intelligent Computation Algorithm. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2019 , 56-95 | 0.3 | 1 |
| 122 | Quasi-oppositional chemical reaction optimization for combined economic emission dispatch in power system considering wind power uncertainties. <i>Renewable Energy Focus</i> , 2019 , 31, 45-62 | 5.4 | 13 |
| 121 | Optimal placement of unified power flow controller using differential search algorithm. <i>International Journal of Innovative Computing and Applications</i> , 2019 , 10, 69 | 0.4 | 1 |
| 120 | Maiden application of SSA-optimised CC-TID controller for load frequency control of power systems. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 1110-1120 | 2.5 | 42 |
| 119 | Krill herd algorithm applied to short-term hydrothermal scheduling problem. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 31-43 | 4.4 | 17 |
| 118 | Ant Lion Optimization: A Novel Algorithm Applied to Load Frequency Control Problem in Power System. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018 , 195-210 | 0.2 | 1 |
| 117 | Opposition-based krill herd algorithm applied to economic load dispatch problem. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 423-440 | 4.4 | 38 |
| 116 | Application of backtracking search algorithm in load frequency control of multi-area interconnected power system. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 257-276 | 4.4 | 40 |
| 115 | Optimal allocation of SVC and TCSC using quasi-oppositional chemical reaction optimization for solving multi-objective ORPD problem. <i>Journal of Electrical Systems and Information Technology</i> , 2018 , 5, 83-98 | 2 | 19 |
| 114 | Symbiotic organism search algorithm applied to load frequency control of multi-area power system. <i>Energy Systems</i> , 2018 , 9, 439-468 | 1.7 | 54 |
| 113 | Oppositional based grey wolf optimization algorithm for economic dispatch problem of power system. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 2015-2025 | 4.4 | 55 |
| 112 | Symbiotic organism search based load frequency control with TCSC 2018 , | | 2 |
| 111 | Robust Optimization Algorithms for Solving Automatic Generation Control of Multi-Constrained Power System. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2018 , 75-114 | 0.3 | 6 |
| 110 | Capacitor Placement in Radial Distribution System Using Oppositional Cuckoo Optimization Algorithm. <i>International Journal of Swarm Intelligence Research</i> , 2018 , 9, 64-95 | 1.1 | 1 |
| 109 | Solutions of UPFC-based load frequency control using quasi-oppositional biogeography based optimisation considering various nonlinearities of power system. <i>International Journal of Power and Energy Conversion</i> , 2018 , 9, 105 | 0.4 | 2 |
| 108 | A maiden application of modified grey wolf algorithm optimized cascade tilt-integral-derivative controller in load frequency control 2018 , | | 6 |
| 107 | Optimal Design of Power System Stabilizer Using a Novel Evolutionary Algorithm. <i>International Journal of Energy Optimization and Engineering</i> , 2018 , 7, 24-46 | 0.9 | |

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| 106 | Optimal tuning of 3 degree-of-freedom proportional-integral-derivative controller for hybrid distributed power system using dragonfly algorithm. <i>Computers and Electrical Engineering</i> , 2018 , 72, 137-153 | 4.3 | 58 |
| 105 | Combined Economic and Emission Load Dispatch Solution Using BSA-PSO Hybrid Algorithm 2018 , | | 1 |
| 104 | Study of differential search algorithm based automatic generation control of an interconnected thermal-thermal system with governor dead-band. <i>Applied Soft Computing Journal</i> , 2017 , 52, 160-175 | 7.5 | 48 |
| 103 | Economic Load Dispatch Using Oppositional Backtracking Search Algorithm. <i>International Journal of Energy Optimization and Engineering</i> , 2017 , 6, 79-97 | 0.9 | 2 |
| 102 | Solving OPF Problems using Biogeography Based and Grey Wolf Optimization Techniques. <i>International Journal of Energy Optimization and Engineering</i> , 2017 , 6, 55-77 | 0.9 | 2 |
| 101 | Quasi-oppositional symbiotic organism search algorithm applied to load frequency control. <i>Swarm and Evolutionary Computation</i> , 2017 , 33, 46-67 | 9.8 | 54 |
| 100 | Load frequency control of multi area power system with de-regulation using OKHA 2017 , | | 2 |
| 99 | Optimal location of shunt compensating facts device for solving ORPD problem using hybrid chemical reaction optimization 2017 , | | 2 |
| 98 | Multi-verse optimisation: a novel method for solution of load frequency control problem in power system. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 3601-3611 | 2.5 | 54 |
| 97 | Optimal power flow with FACTS devices using a novel grey wolf algorithm 2017 , | | 2 |
| 96 | Optimal design of power system stabiliser using hybrid biogeography-based predator-prey optimisation technique. <i>International Journal of Power and Energy Conversion</i> , 2017 , 8, 225 | 0.4 | |
| 95 | Combined Heat and Power Dispatch using Hybrid Genetic Algorithm and Biogeography-based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , 2017 , 6, 49-65 | 0.9 | 6 |
| 94 | Optimal location of STATCOM using chemical reaction optimization for reactive power dispatch problem. <i>Ain Shams Engineering Journal</i> , 2016 , 7, 233-247 | 4.4 | 29 |
| 93 | Oppositional krill herd algorithm for optimal location of capacitor with reconfiguration in radial distribution system. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 74, 78-90 | 5.1 | 34 |
| 92 | A multi-objective hybrid evolutionary algorithm for dynamic economic emission load dispatch. <i>International Transactions on Electrical Energy Systems</i> , 2016 , 26, 49-78 | 2.2 | 44 |
| 91 | Optimal Allocation of Static Synchronous Series Compensator Controllers using Chemical Reaction Optimization for Reactive Power Dispatch. <i>International Journal of Energy Optimization and Engineering</i> , 2016 , 5, 43-62 | 0.9 | 6 |
| 90 | Application of Modified Biogeography Based Optimization in AGC of an Interconnected Multi-Unit Multi-Source AC-DC Linked Power System. <i>International Journal of Energy Optimization and Engineering</i> , 2016 , 5, 1-18 | 0.9 | |
| 89 | Oppositional biogeography-based optimisation applied to SMES and TCSC-based load frequency control with generation rate constraints and time delay. <i>International Journal of Power and Energy Conversion</i> , 2016 , 7, 391 | 0.4 | 12 |

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| 88 | The Oppositional Chemical Reaction Optimization algorithm for the optimal tuning of the Power System Stabilizer 2016 , 101-106 | | |
| 87 | Available transfer capacity evaluation through evolutionary algorithms 2016 , | | 2 |
| 86 | Krill herd algorithm for automatic generation control with flexible AC transmission system controller including superconducting magnetic energy storage units. <i>Journal of Engineering</i> , 2016 , 2016, 147-161 | 0.7 | 2 |
| 85 | Krill herd algorithm for optimal location of distributed generator in radial distribution system. <i>Applied Soft Computing Journal</i> , 2016 , 40, 391-404 | 7.5 | 98 |
| 84 | Unified power flow controller based reactive power dispatch using oppositional krill herd algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 80, 10-25 | 5.1 | 21 |
| 83 | Application of Krill Herd Algorithm for Optimum Design of Load Frequency Controller for Multi-Area Power System Network with Generation Rate Constraint. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 245-257 | 0.4 | 8 |
| 82 | Load frequency control of interconnected power system using grey wolf optimization. <i>Swarm and Evolutionary Computation</i> , 2016 , 27, 97-115 | 9.8 | 189 |
| 81 | A Novel Evolutionary Optimization Technique for Solving Optimal Reactive Power Dispatch Problems. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2016 , 244-275 | 0.3 | 3 |
| 80 | Optimal Allocation of Distributed Generator Using Chemical Reaction Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 259-272 | 0.4 | |
| 79 | Evolutionary Algorithms for Economic Load Dispatch Having Multiple Types of Cost Functions. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2016 , 201-226 | 0.4 | |
| 78 | Optimal Reactive Power Dispatch Incorporating TCSC-TCPS Devices Using Different Evolutionary Optimization Techniques. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2016 , 326-359 | 0.3 | 1 |
| 77 | A Novel Optimization Algorithm for Transient Stability Constrained Optimal Power Flow. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2016 , 147-176 | 0.3 | |
| 76 | Available Transfer Capacity evaluation through BBO and GWO algorithms 2016 , 111-117 | | |
| 75 | Grey Wolf Optimization to Solve Load Frequency Control of an Interconnected Power System. <i>International Journal of Energy Optimization and Engineering</i> , 2016 , 5, 62-83 | 0.9 | 4 |
| 74 | Quasi Oppositional Teaching-Learning based Optimization for Optimal Power Flow Incorporating FACTS. <i>International Journal of Energy Optimization and Engineering</i> , 2016 , 5, 64-84 | 0.9 | 1 |
| 73 | Transient stability constrained optimal power flow using oppositional krill herd algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 83, 283-297 | 5.1 | 15 |
| 72 | Grey wolf optimization applied to economic load dispatch problems. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 83, 325-334 | 5.1 | 132 |
| 71 | Quasi-oppositional differential search algorithm applied to load frequency control 2016 , 19, 1635-1654 | | 14 |

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| 70 | Load frequency control of large scale power system using quasi-oppositional grey wolf optimization algorithm 2016 , 19, 1693-1713 | | 54 |
| 69 | Economic emission dispatch for windfossil-fuel-based power system using chemical reaction optimisation. <i>International Transactions on Electrical Energy Systems</i> , 2015 , 25, 3248-3274 | 2.2 | 16 |
| 68 | Study of dynamic responses of an interconnected two-area all thermal power system with governor and boiler nonlinearities using BBO 2015 , | | 6 |
| 67 | An efficient evolutionary algorithm applied to economic load dispatch problem 2015 , | | 7 |
| 66 | Optimal location of UPFC controller in transmission network using hybrid chemical reaction optimization algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 64, 194-211 | 5.1 | 37 |
| 65 | Optimal power flow using krill herd algorithm. <i>International Transactions on Electrical Energy Systems</i> , 2015 , 25, 1397-1419 | 2.2 | 36 |
| 64 | Oppositional gravitational search algorithm for optimal location of distributed generator. <i>International Journal of Power and Energy Conversion</i> , 2015 , 6, 281 | 0.4 | 1 |
| 63 | Optimal allocation of capacitor in radial distribution systems using oppositional krill herd algorithm 2015 , | | 1 |
| 62 | Blended Biogeography Based Optimization Based LFC Controller Applied To Multi-Unit 2015 , | | 2 |
| 61 | HBBO Optimization For Optimal Reactive Power Dispatch Incorporating TCSC And TCPS Devices 2015 , | | 1 |
| 60 | Optimal Location of TCSC and TCPS using Hybrid DE/CRO Algorithm 2015 , | | 4 |
| 59 | Transient Stability Constrained Optimal Power Flow Using Teaching Learning Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , 2015 , 4, 18-35 | 0.9 | 4 |
| 58 | Automatic Generation Control of Interconnected Power System using Cuckoo Optimization Algorithm. <i>International Journal of Energy Optimization and Engineering</i> , 2015 , 4, 22-35 | 0.9 | 2 |
| 57 | Load Frequency Control of Interconnected Power System Using Teaching Learning Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , 2015 , 4, 102-117 | 0.9 | 8 |
| 56 | Oppositional krill herd algorithm for optimal location of distributed generator in radial distribution system. <i>International Journal of Electrical Power and Energy Systems</i> , 2015 , 73, 182-191 | 5.1 | 26 |
| 55 | Oppositional cuckoo optimization algorithm to solve DG allocation problem of radial distribution system 2015 , | | 3 |
| 54 | Hybrid biogeography-based optimisation for optimal power flow incorporating FACTS devices. <i>International Journal of Power and Energy Conversion</i> , 2015 , 6, 63 | 0.4 | 4 |
| 53 | Quasi-oppositional gravitational search algorithm applied to short term hydrothermal scheduling problems. <i>International Journal of Power and Energy Conversion</i> , 2015 , 6, 165 | 0.4 | 4 |

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| 52 | Optimal Location of TCSC Using Opposition Teaching Learning Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , 2015 , 4, 85-101 | 0.9 | 4 |
| 51 | Optimal Design of Single Machine Power System Stabilizer using Chemical Reaction Optimization Technique. <i>International Journal of Energy Optimization and Engineering</i> , 2015 , 4, 51-69 | 0.9 | 1 |
| 50 | Economic Load Dispatch Considering Non-smooth Cost Functions Using Predator-Prey Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 67-78 | 0.4 | 5 |
| 49 | Solution of unit commitment problem using quasi-oppositional teaching learning based algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 60, 96-106 | 5.1 | 41 |
| 48 | Automatic generation control by SMES-SMES controllers of two-area hydro-hydro system 2014 , | | 7 |
| 47 | Quasi-oppositional gravitational search algorithm applied to complex economic load dispatch problem 2014 , | | 2 |
| 46 | Chemical Reaction Optimization for solving transient stability constrained optimal power flow 2014 , | | 1 |
| 45 | Optimal location of TCSC using hybrid DE/BBO algorithm 2014 , | | 2 |
| 44 | Multi-objective quasi-oppositional teaching learning based optimization for optimal location of distributed generator in radial distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 63, 534-545 | 5.1 | 170 |
| 43 | Solution of economic load dispatch using hybrid chemical reaction optimization approach. <i>Applied Soft Computing Journal</i> , 2014 , 24, 109-125 | 7.5 | 48 |
| 42 | Multi-objective optimal power flow using quasi-oppositional teaching learning based optimization. <i>Applied Soft Computing Journal</i> , 2014 , 21, 590-606 | 7.5 | 65 |
| 41 | Economic load dispatch using krill herd algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 57, 1-10 | 5.1 | 140 |
| 40 | Oppositional biogeography-based optimisation for optimal power flow. <i>International Journal of Power and Energy Conversion</i> , 2014 , 5, 47 | 0.4 | 12 |
| 39 | Adaptive Teaching Learning Based Optimization Applied to Nonlinear Economic Load Dispatch Problem. <i>International Journal of Swarm Intelligence Research</i> , 2014 , 5, 1-16 | 1.1 | 5 |
| 38 | Artificial Bee Colony Optimization for Optimal Reactive Power Dispatch Incorporating FACTS Devices. <i>International Journal of Energy Optimization and Engineering</i> , 2014 , 3, 38-58 | 0.9 | 5 |
| 37 | Optimal Design of Superconducting Magnetic Energy Storage Based Multi-area Hydro-Thermal System Using Biogeography Based Optimization 2014 , | | 16 |
| 36 | Hybrid Chemical Reaction Optimization Approach for Combined Economic Emission Short-term Hydrothermal Scheduling. <i>Electric Power Components and Systems</i> , 2014 , 42, 1647-1660 | 1 | 19 |
| 35 | Optimal design of power system stabilizer using oppositional gravitational search algorithm 2014 , | | 2 |

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| 34 | Hybridization of Particle Swarm Optimization with Biogeography-Based Optimization for Reactive Power and Voltage Control 2014 , | | 2 |
| 33 | Oppositional teaching learning based optimization approach for combined heat and power dispatch. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 57, 392-403 | 5.1 | 136 |
| 32 | Optimal capacitor placement in radial distribution systems using teaching learning based optimization. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 54, 387-398 | 5.1 | 187 |
| 31 | Transient Stability Constrained Optimal Power Flow Using Teaching Learning-Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , 2014 , 3, 55-71 | 0.9 | 1 |
| 30 | New Efficient Evolutionary Algorithm Applied to Optimal Reactive Power Dispatch. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , 2014 , 321-339 | 0.4 | |
| 29 | Solution of unit commitment problem using gravitational search algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 53, 85-94 | 5.1 | 83 |
| 28 | Teaching learning based optimization for short-term hydrothermal scheduling problem considering valve point effect and prohibited discharge constraint. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 53, 10-19 | 5.1 | 150 |
| 27 | Optimal short-term hydro-thermal scheduling using quasi-oppositional teaching learning based optimization. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 2516-2524 | 7.2 | 77 |
| 26 | Multi-objective quasi-oppositional teaching learning based optimization for economic emission load dispatch problem. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 53, 937-948 | 5.1 | 114 |
| 25 | Optimal reactive power dispatch using quasi-oppositional teaching learning based optimization. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 53, 123-134 | 5.1 | 153 |
| 24 | Hybridization of Biogeography-Based. <i>International Journal of Energy Optimization and Engineering</i> , 2013 , 2, 86-101 | 0.9 | 8 |
| 23 | Solution of multi-objective optimal power flow using gravitational search algorithm. <i>IET Generation, Transmission and Distribution</i> , 2012 , 6, 751 | 2.5 | 92 |
| 22 | Gravitational Search Algorithm Based Optimal Reactive Power Dispatch for Voltage Stability Enhancement. <i>Electric Power Components and Systems</i> , 2012 , 40, 956-976 | 1 | 63 |
| 21 | Optimal VAR control for improvements in voltage profiles and for real power loss minimization using Biogeography Based Optimization. <i>International Journal of Electrical Power and Energy Systems</i> , 2012 , 43, 830-838 | 5.1 | 91 |
| 20 | Optimal Reactive Power Dispatch Using Quasi-Oppositional Biogeography-Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , 2012 , 1, 38-55 | 0.9 | 12 |
| 19 | Quasi-oppositional Biogeography-based Optimization for Multi-objective Optimal Power Flow. <i>Electric Power Components and Systems</i> , 2011 , 40, 236-256 | 1 | 55 |
| 18 | Optimal Reactive Power Dispatch Considering Flexible AC Transmission System Devices Using Biogeography-based Optimization. <i>Electric Power Components and Systems</i> , 2011 , 39, 733-750 | 1 | 35 |
| 17 | Multi-objective Optimal Power Flow Using Biogeography-based Optimization. <i>Electric Power Components and Systems</i> , 2010 , 38, 1406-1426 | 1 | 44 |

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|----|--|-----|-----|
| 16 | Optimal power flow using biogeography based optimisation. <i>International Journal of Power and Energy Conversion</i> , 2010 , 2, 216 | 0.4 | 5 |
| 15 | Combined economic and emission dispatch problems using biogeography-based optimization. <i>Electrical Engineering</i> , 2010 , 92, 173-184 | 1.5 | 46 |
| 14 | Biogeography based optimization for multi-constraint optimal power flow with emission and non-smooth cost function. <i>Expert Systems With Applications</i> , 2010 , 37, 8221-8228 | 7.8 | 107 |
| 13 | Optimal Power Flow with TCSC and TCPS Modeling using Craziness and Turbulent Crazy Particle Swarm Optimization. <i>International Journal of Swarm Intelligence Research</i> , 2010 , 1, 34-50 | 1.1 | 8 |
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