

# Provas Roy

## List of Publications by Citations

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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	Load frequency control of interconnected power system using grey wolf optimization. <i>Swarm and Evolutionary Computation</i> , <b>2016</b> , 27, 97-115	9.8	189
176	Optimal capacitor placement in radial distribution systems using teaching learning based optimization. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 54, 387-398	5.1	187
175	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> , <b>2014</b> , 63, 534-545	5.1	170
174	Optimal reactive power dispatch using quasi-oppositional teaching learning based optimization. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 53, 123-134	5.1	153
173	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> , <b>2013</b> , 53, 10-19	5.1	150
172	Economic load dispatch using krill herd algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 57, 1-10	5.1	140
171	Oppositional teaching learning based optimization approach for combined heat and power dispatch. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 57, 392-403	5.1	136
170	Grey wolf optimization applied to economic load dispatch problems. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 83, 325-334	5.1	132
169	Multi-objective quasi-oppositional teaching learning based optimization for economic emission load dispatch problem. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 53, 937-948	5.1	114
168	Biogeography based optimization for multi-constraint optimal power flow with emission and non-smooth cost function. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 8221-8228	7.8	107
167	Krill herd algorithm for optimal location of distributed generator in radial distribution system. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 40, 391-404	7.5	98
166	Solution of multi-objective optimal power flow using gravitational search algorithm. <i>IET Generation, Transmission and Distribution</i> , <b>2012</b> , 6, 751	2.5	92
165	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> , <b>2012</b> , 43, 830-838	5.1	91
164	Solution of unit commitment problem using gravitational search algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 53, 85-94	5.1	83
163	Optimal short-term hydro-thermal scheduling using quasi-oppositional teaching learning based optimization. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 2516-2524	7.2	77
162	Multi-objective optimal power flow using quasi-oppositional teaching learning based optimization. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 21, 590-606	7.5	65
161	Gravitational Search Algorithm Based Optimal Reactive Power Dispatch for Voltage Stability Enhancement. <i>Electric Power Components and Systems</i> , <b>2012</b> , 40, 956-976	1	63

160	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> , <b>2018</b> , 72, 137-153	4.3	58
159	Oppositional based grey wolf optimization algorithm for economic dispatch problem of power system. <i>Ain Shams Engineering Journal</i> , <b>2018</b> , 9, 2015-2025	4.4	55
158	Quasi-oppositional Biogeography-based Optimization for Multi-objective Optimal Power Flow. <i>Electric Power Components and Systems</i> , <b>2011</b> , 40, 236-256	1	55
157	Symbiotic organism search algorithm applied to load frequency control of multi-area power system. <i>Energy Systems</i> , <b>2018</b> , 9, 439-468	1.7	54
156	Quasi-oppositional symbiotic organism search algorithm applied to load frequency control. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 33, 46-67	9.8	54
155	Multi-verse optimisation: a novel method for solution of load frequency control problem in power system. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 3601-3611	2.5	54
154	Load frequency control of large scale power system using quasi-oppositional grey wolf optimization algorithm <b>2016</b> , 19, 1693-1713		54
153	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> , <b>2017</b> , 52, 160-175	7.5	48
152	Solution of economic load dispatch using hybrid chemical reaction optimization approach. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 24, 109-125	7.5	48
151	Combined economic and emission dispatch problems using biogeography-based optimization. <i>Electrical Engineering</i> , <b>2010</b> , 92, 173-184	1.5	46
150	A multi-objective hybrid evolutionary algorithm for dynamic economic emission load dispatch. <i>International Transactions on Electrical Energy Systems</i> , <b>2016</b> , 26, 49-78	2.2	44
149	Multi-objective Optimal Power Flow Using Biogeography-based Optimization. <i>Electric Power Components and Systems</i> , <b>2010</b> , 38, 1406-1426	1	44
148	Maiden application of SSA-optimised CC-TID controller for load frequency control of power systems. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 1110-1120	2.5	42
147	Solution of unit commitment problem using quasi-oppositional teaching learning based algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 60, 96-106	5.1	41
146	Biogeography-based Optimization for Economic Load Dispatch Problems. <i>Electric Power Components and Systems</i> , <b>2009</b> , 38, 166-181	1	41
145	Application of backtracking search algorithm in load frequency control of multi-area interconnected power system. <i>Ain Shams Engineering Journal</i> , <b>2018</b> , 9, 257-276	4.4	40
144	Opposition-based krill herd algorithm applied to economic load dispatch problem. <i>Ain Shams Engineering Journal</i> , <b>2018</b> , 9, 423-440	4.4	38
143	Optimal location of UPFC controller in transmission network using hybrid chemical reaction optimization algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 64, 194-211	5.1	37

142	Optimal power flow using krill herd algorithm. <i>International Transactions on Electrical Energy Systems</i> , <b>2015</b> , 25, 1397-1419	2.2	36
141	Power flow based hydro-thermal-wind scheduling of hybrid power system using sine cosine algorithm. <i>Electric Power Systems Research</i> , <b>2020</b> , 178, 106018	3.5	36
140	Optimal Reactive Power Dispatch Considering Flexible AC Transmission System Devices Using Biogeography-based Optimization. <i>Electric Power Components and Systems</i> , <b>2011</b> , 39, 733-750	1	35
139	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> , <b>2016</b> , 74, 78-90	5.1	34
138	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> , <b>2020</b> , 40, 217-242	1.5	34
137	Optimal location of STATCOM using chemical reaction optimization for reactive power dispatch problem. <i>Ain Shams Engineering Journal</i> , <b>2016</b> , 7, 233-247	4.4	29
136	Oppositional symbiotic organisms search optimization for multilevel thresholding of color image. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 82, 105577	7.5	29
135	Oppositional krill herd algorithm for optimal location of distributed generator in radial distribution system. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 73, 182-191	5.1	26
134	Oppositional elephant herding optimization with dynamic Cauchy mutation for multilevel image thresholding. <i>Evolutionary Intelligence</i> , <b>2019</b> , 12, 445-467	1.7	22
133	Whale optimization algorithm applied to load frequency control of a mixed power system considering nonlinearities and PLL dynamics. <i>Energy Systems</i> , <b>2020</b> , 11, 699-728	1.7	22
132	Unified power flow controller based reactive power dispatch using oppositional krill herd algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 80, 10-25	5.1	21
131	Chaotic whale optimization algorithm for optimal solution of combined heat and power economic dispatch problem incorporating wind. <i>Renewable Energy Focus</i> , <b>2020</b> , 35, 56-71	5.4	20
130	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> , <b>2018</b> , 5, 83-98	2	19
129	Hybrid Chemical Reaction Optimization Approach for Combined Economic Emission Short-term Hydrothermal Scheduling. <i>Electric Power Components and Systems</i> , <b>2014</b> , 42, 1647-1660	1	19
128	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> , <b>2021</b> , 15, 716-736	2.5	19
127	Krill herd algorithm applied to short-term hydrothermal scheduling problem. <i>Ain Shams Engineering Journal</i> , <b>2018</b> , 9, 31-43	4.4	17
126	Economic emission dispatch for wind-fossil-fuel-based power system using chemical reaction optimisation. <i>International Transactions on Electrical Energy Systems</i> , <b>2015</b> , 25, 3248-3274	2.2	16
125	Optimal Design of Superconducting Magnetic Energy Storage Based Multi-area Hydro-Thermal System Using Biogeography Based Optimization <b>2014</b> ,		16

124	. <i>IEEE Access</i> , <b>2020</b> , 8, 155971-155986	3.5	15
123	Transient stability constrained optimal power flow using oppositional krill herd algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 83, 283-297	5.1	15
122	Quasi-oppositional differential search algorithm applied to load frequency control <b>2016</b> , 19, 1635-1654		14
121	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> , <b>2019</b> , 43, 323-342	1.0	13
120	Quasi-oppositional chemical reaction optimization for combined economic emission dispatch in power system considering wind power uncertainties. <i>Renewable Energy Focus</i> , <b>2019</b> , 31, 45-62	5.4	13
119	Renewable Energy Based Economic Emission Load Dispatch Using Grasshopper Optimization Algorithm. <i>International Journal of Swarm Intelligence Research</i> , <b>2019</b> , 10, 38-57	1.1	12
118	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> , <b>2016</b> , 7, 391	0.4	12
117	Oppositional biogeography-based optimisation for optimal power flow. <i>International Journal of Power and Energy Conversion</i> , <b>2014</b> , 5, 47	0.4	12
116	Optimal Reactive Power Dispatch Using Quasi-Oppositional Biogeography-Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , <b>2012</b> , 1, 38-55	0.9	12
115	Performance evolution of different controllers for frequency regulation of a hybrid energy power system employing chaotic crow search algorithm. <i>ISA Transactions</i> , <b>2021</b> , 120, 128-128	5.5	11
114	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> , <b>2020</b> , 44, 781-804	1.9	11
113	Application of hybrid multi-objective moth flame optimization technique for optimal performance of hybrid micro-grid system. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 95, 106487	7.5	10
112	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> , <b>2016</b> , 245-257	0.4	8
111	Load Frequency Control of Interconnected Power System Using Teaching Learning Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , <b>2015</b> , 4, 102-117	0.9	8
110	Hybridization of Biogeography-Based. <i>International Journal of Energy Optimization and Engineering</i> , <b>2013</b> , 2, 86-101	0.9	8
109	Turbulent Crazy Particle swarm Optimization technique for optimal reactive power dispatch <b>2009</b> ,		8
108	Optimal Power Flow with TCSC and TCPS Modeling using Crazyness and Turbulent Crazy Particle Swarm Optimization. <i>International Journal of Swarm Intelligence Research</i> , <b>2010</b> , 1, 34-50	1.1	8
107	An efficient evolutionary algorithm applied to economic load dispatch problem <b>2015</b> ,		7

106	Optimal dispatch using moth-flame optimization for hydro-thermal-wind scheduling problem. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 30, e12460	2.2	7
105	Application of Earthworm Optimization Algorithm for solution of Optimal Power Flow <b>2019</b> ,		7
104	Automatic generation control by SMES-SMES controllers of two-area hydro-hydro system <b>2014</b> ,		7
103	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> , <b>2020</b> , 1-23	1.5	7
102	FACTS-based 3DOF-PID Controller for LFC of Renewable Power System Under Deregulation Using GOA. <i>IETE Journal of Research</i> , 1-14	0.9	7
101	Study of dynamic responses of an interconnected two-area all thermal power system with governor and boiler nonlinearities using BBO <b>2015</b> ,		6
100	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> , <b>2016</b> , 5, 43-62	0.9	6
99	Combined Heat and Power Dispatch using Hybrid Genetic Algorithm and Biogeography-based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , <b>2017</b> , 6, 49-65	0.9	6
98	Robust Optimization Algorithms for Solving Automatic Generation Control of Multi-Constrained Power System. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2018</b> , 75-114	0.3	6
97	A maiden application of modified grey wolf algorithm optimized cascade tilt-integral-derivative controller in load frequency control <b>2018</b> ,		6
96	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> , <b>2021</b> , 13, 013306	2.5	6
95	Optimal reconfiguration of capacitor based radial distribution system using chaotic quasi oppositional chemical reaction optimization. <i>Microsystem Technologies</i> , <b>2020</b> , 1	1.7	5
94	Adaptive Teaching Learning Based Optimization Applied to Nonlinear Economic Load Dispatch Problem. <i>International Journal of Swarm Intelligence Research</i> , <b>2014</b> , 5, 1-16	1.1	5
93	Artificial Bee Colony Optimization for Optimal Reactive Power Dispatch Incorporating FACTS Devices. <i>International Journal of Energy Optimization and Engineering</i> , <b>2014</b> , 3, 38-58	0.9	5
92	Constrained optimal power flow using Crazyness Based Particle Swarm Optimization considering valve point loading and prohibited operating zone <b>2009</b> ,		5
91	Optimal power flow using biogeography based optimisation. <i>International Journal of Power and Energy Conversion</i> , <b>2010</b> , 2, 216	0.4	5
90	Economic Load Dispatch Considering Non-smooth Cost Functions Using Predator-Prey Optimization. <i>Advances in Intelligent Systems and Computing</i> , <b>2015</b> , 67-78	0.4	5
89	Optimal Location of TCSC and TCPS using Hybrid DE/CRO Algorithm <b>2015</b> ,		4



88	Transient Stability Constrained Optimal Power Flow Using Teaching Learning Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , <b>2015</b> , 4, 18-35	0.9	4
87	Hybrid biogeography-based optimisation for optimal power flow incorporating FACTS devices. <i>International Journal of Power and Energy Conversion</i> , <b>2015</b> , 6, 63	0.4	4
86	Quasi-oppositional gravitational search algorithm applied to short term hydrothermal scheduling problems. <i>International Journal of Power and Energy Conversion</i> , <b>2015</b> , 6, 165	0.4	4
85	Biogeography Based Optimization to solve economic load dispatch considering valve point effects <b>2009</b> ,		4
84	Optimal Location of TCSC Using Opposition Teaching Learning Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , <b>2015</b> , 4, 85-101	0.9	4
83	A novel oppositional learning-based chaotic sine cosine algorithm for the dynamic thermal-wind economic dispatch problem. <i>Engineering Optimization</i> , 1-19	2	4
82	Observer-aided resilient hybrid fractional-order controller for frequency regulation of hybrid power system. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e13014	2.2	4
81	Grey Wolf Optimization to Solve Load Frequency Control of an Interconnected Power System. <i>International Journal of Energy Optimization and Engineering</i> , <b>2016</b> , 5, 62-83	0.9	4
80	Elephant Herding Optimization for Multi-Level Image Thresholding. <i>International Journal of Applied Metaheuristic Computing</i> , <b>2020</b> , 11, 64-90	0.8	3
79	Oppositional cuckoo optimization algorithm to solve DG allocation problem of radial distribution system <b>2015</b> ,		3
78	A Novel Evolutionary Optimization Technique for Solving Optimal Reactive Power Dispatch Problems. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2016</b> , 244-275	0.3	3
77	Solution of short term integrated hydrothermal-solar-wind scheduling using sine cosine algorithm. <i>Energy Strategy Reviews</i> , <b>2022</b> , 40, 100824	9.8	3
76	Adaptive Symbiotic Organism Search Algorithm Optimized 3DOF-PID Controller for Load Frequency Control of Hybrid Power System <b>2020</b> ,		2
75	Economic Load Dispatch Using Oppositional Backtracking Search Algorithm. <i>International Journal of Energy Optimization and Engineering</i> , <b>2017</b> , 6, 79-97	0.9	2
74	Solving OPF Problems using Biogeography Based and Grey Wolf Optimization Techniques. <i>International Journal of Energy Optimization and Engineering</i> , <b>2017</b> , 6, 55-77	0.9	2
73	Available transfer capacity evaluation through evolutionary algorithms <b>2016</b> ,		2
72	Krill herd algorithm for automatic generation control with flexible AC transmission system controller including superconducting magnetic energy storage units. <i>Journal of Engineering</i> , <b>2016</b> , 2016, 147-161	0.7	2
71	Symbiotic organism search based load frequency control with TCSC <b>2018</b> ,		2

70	Quasi-oppositional gravitational search algorithm applied to complex economic load dispatch problem <b>2014</b> ,		2
69	Optimal location of TCSC using hybrid DE/BBO algorithm <b>2014</b> ,		2
68	Load frequency control of multi area power system with de-regulation using OKHA <b>2017</b> ,		2
67	Optimal location of shunt compensating facts device for solving ORPD problem using hybrid chemical reaction optimization <b>2017</b> ,		2
66	Optimal power flow with FACTS devices using a novel grey wolf algorithm <b>2017</b> ,		2
65	Blended Biogeography Based Optimization Based LFC Controller Applied To Multi-Unit <b>2015</b> ,		2
64	Automatic Generation Control of Interconnected Power System using Cuckoo Optimization Algorithm. <i>International Journal of Energy Optimization and Engineering</i> , <b>2015</b> , 4, 22-35	0.9	2
63	Optimal design of power system stabilizer using oppositional gravitational search algorithm <b>2014</b> ,		2
62	Hybridization of Particle Swarm Optimization with Biogeography-Based Optimization for Reactive Power and Voltage Control <b>2014</b> ,		2
61	Evolutionary Oppositional Moth Flame Optimization for Renewable and Sustainable Wind Energy Based Economic Dispatch. <i>International Journal of Applied Evolutionary Computation</i> , <b>2019</b> , 10, 65-84	0.6	2
60	Renewable Energy-Based Economic Load Dispatch Using Two-Step Biogeography-Based Optimization and Butterfly Optimization Algorithm. <i>International Journal of Swarm Intelligence Research</i> , <b>2020</b> , 11, 24-60	1.1	2
59	A novel chaotic symbiotic organisms search optimization in multilevel image segmentation. <i>Soft Computing</i> , <b>2021</b> , 25, 6973-6998	3.5	2
58	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> , <b>2018</b> , 9, 105	0.4	2
57	Metaheuristic Moth-Flame Optimization Applied on Renewable Wind Energy Incorporating Load Transmit Penetration. <i>International Journal of Applied Metaheuristic Computing</i> , <b>2021</b> , 12, 185-210	0.8	2
56	Symbiotic Organisms Search Optimization for Multilevel Image Thresholding. <i>International Journal of Swarm Intelligence Research</i> , <b>2020</b> , 11, 31-61	1.1	1
55	Ant Lion Optimization: A Novel Algorithm Applied to Load Frequency Control Problem in Power System. <i>Springer Proceedings in Mathematics and Statistics</i> , <b>2018</b> , 195-210	0.2	1
54	Chemical Reaction Optimization for solving transient stability constrained optimal power flow <b>2014</b> ,		1
53	Oppositional gravitational search algorithm for optimal location of distributed generator. <i>International Journal of Power and Energy Conversion</i> , <b>2015</b> , 6, 281	0.4	1



52	Optimal allocation of capacitor in radial distribution systems using oppositional krill herd algorithm <b>2015</b> ,		1
51	HBBO Optimization For Optimal Reactive Power Dispatch Incorporating TCSC And TCPS Devices <b>2015</b> ,		1
50	Biogeography Based Optimization technique applied to multi-constraints economic load dispatch problems <b>2009</b> ,		1
49	Transient Stability Constrained Optimal Power Flow Using Teaching Learning-Based Optimization. <i>International Journal of Energy Optimization and Engineering</i> , <b>2014</b> , 3, 55-71	0.9	1
48	Optimal Design of Single Machine Power System Stabilizer using Chemical Reaction Optimization Technique. <i>International Journal of Energy Optimization and Engineering</i> , <b>2015</b> , 4, 51-69	0.9	1
47	Dynamic and Stability Analysis of Wind-Diesel-Generator System With Intelligent Computation Algorithm. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2019</b> , 56-95	0.3	1
46	Optimal Reactive Power Dispatch Incorporating TCSC-TCPS Devices Using Different Evolutionary Optimization Techniques. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2016</b> , 326-359	0.3	1
45	Electrostatic Discharge Algorithm for Economic Load Dispatch Problems Including Renewable Energy <b>2020</b> ,		1
44	Short Term Hydro-Thermal Scheduling Using Backtracking Search Algorithm. <i>International Journal of Applied Metaheuristic Computing</i> , <b>2020</b> , 11, 38-63	0.8	1
43	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> , <b>2020</b> , 11, 61-86	1.1	1
42	Quasi Oppositional Teaching-Learning based Optimization for Optimal Power Flow Incorporating FACTS. <i>International Journal of Energy Optimization and Engineering</i> , <b>2016</b> , 5, 64-84	0.9	1
41	Optimal placement of unified power flow controller using differential search algorithm. <i>International Journal of Innovative Computing and Applications</i> , <b>2019</b> , 10, 69	0.4	1
40	A Probabilistic Optimal Power Flow in Wind-Thermal Coordination Considering Intermittency of the Wind. <i>International Journal of Energy Optimization and Engineering</i> , <b>2021</b> , 10, 82-110	0.9	1
39	Capacitor Placement in Radial Distribution System Using Oppositional Cuckoo Optimization Algorithm. <i>International Journal of Swarm Intelligence Research</i> , <b>2018</b> , 9, 64-95	1.1	1
38	Combined Economic and Emission Load Dispatch Solution Using BSA-PSO Hybrid Algorithm <b>2018</b> ,		1
37	Renewable Energy-Based Multi-source System Under Deregulated Environment Using COKHA Algorithm. <i>IETE Journal of Research</i> , 1-19	0.9	1
36	Newly-Developed Swarm Intelligence Algorithms Applied to Renewable Energy-Based Load Dispatch Real-World Problems <b>2021</b> , 843-868		1
35	Optimal Solution of Combined Heat and Power Dispatch Problem Using Whale Optimization Algorithm. <i>International Journal of Applied Metaheuristic Computing</i> , <b>2022</b> , 13, 0-0	0.8	0

34	State Estimation of Power Using the Whale Optimization Algorithm. <i>International Journal of Applied Metaheuristic Computing</i> , <b>2020</b> , 11, 194-213	0.8	0
33	Economic Load Dispatch Incorporating Wind Power Using Hybrid Biogeography-Based Optimization. <i>International Journal of Applied Metaheuristic Computing</i> , <b>2021</b> , 12, 54-80	0.8	0
32	Implementation of multi-objective chaotic mayfly optimisation for hydro-thermal- solar-wind scheduling based on available transfer capability problem. <i>International Transactions on Electrical Energy Systems</i> , e13029	2.2	0
31	Available Transfer Capability Calculation of Power Systems Using Opposition Selfish Herd Optimizer. <i>IETE Journal of Research</i> , 1-15	0.9	0
30	Model Order Reduction of Power Systems and Application of Internal Model Control (IMC). <i>Studies in Systems, Decision and Control</i> , <b>2022</b> , 173-197	0.8	0
29	Intelligent Controller Applied for Frequency Regulation and Robustness Study. <i>Studies in Systems, Decision and Control</i> , <b>2022</b> , 145-172	0.8	0
28	Performance enhancement of renewable based deregulated system using distributed power flow controller, Redox flow battery, and Tesla power wall battery. <i>International Journal of Green Energy</i> , 1-17	3	0
27	Chemical Reaction Optimization to Solve Reconfiguration Problem Along with Capacitor of Radial Distribution System. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 392-409	0.3	
26	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> , <b>2016</b> , 5, 1-18	0.9	
25	The Oppositional Chemical Reaction Optimization algorithm for the optimal tuning of the Power System Stabilizer <b>2016</b> , 101-106		
24	Optimal design of power system stabiliser using hybrid biogeography-based predator-prey optimisation technique. <i>International Journal of Power and Energy Conversion</i> , <b>2017</b> , 8, 225	0.4	
23	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> , <b>2020</b> , 1-26	0.4	
22	Novel Chaotic Elephant Herding Optimization for Multilevel Thresholding of Color Image. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 281-294	0.4	
21	Multi-Objective Short-Term Hydro-Thermal Scheduling Using Meta-Heuristic Approaches. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2020</b> , 382-414	0.4	
20	Nature-Inspired Algorithm Applied to a Renewable Energy-Integrating Hydro-Thermal Power Plant. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , <b>2022</b> , 21-36	0.4	
19	Application of chaotic quasi-oppositional whale optimization algorithm on CHPED problem integrated with wind-solar-EVs. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e13124 <sup>2-2</sup>		
18	Multi-Objective Optimal Power Flow of Integrated Renewable Systems Using a Novel Evolutionary Algorithm. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2020</b> , 160-194	0.4	
17	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> , <b>2020</b> , 78-93	0.4	

16	Whale Optimization Algorithm-Based DG Allotment for Loss Minimization of Distribution Networks. <i>International Journal of Applied Metaheuristic Computing</i> , <b>2022</b> , 13, 0-0	0.8
15	Optimal Allocation of Distributed Generator Using Chemical Reaction Optimization. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 259-272	0.4
14	Evolutionary Algorithms for Economic Load Dispatch Having Multiple Types of Cost Functions. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2016</b> , 201-226	0.4
13	A Novel Optimization Algorithm for Transient Stability Constrained Optimal Power Flow. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2016</b> , 147-176	0.3
12	Available Transfer Capacity evaluation through BBO and GWO algorithms <b>2016</b> , 111-117	
11	New Efficient Evolutionary Algorithm Applied to Optimal Reactive Power Dispatch. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , <b>2014</b> , 321-339	0.4
10	Moth-Flame Optimization Algorithm Based Load Flow Analysis of Ill-Conditioned Power Systems. <i>International Journal of Applied Evolutionary Computation</i> , <b>2020</b> , 11, 1-27	0.6
9	Multi-Objective Hydro-Thermal Scheduling Problem Using Two Novel Optimization Techniques. <i>International Journal of Swarm Intelligence Research</i> , <b>2021</b> , 12, 1-36	1.1
8	An Efficient FNN Model with Chaotic Oppositional Based SCA to Solve Classification Problem. <i>IETE Journal of Research</i> , 1-19	0.9
7	Renewable Energy Based Economic Emission Load Dispatch Using Grasshopper Optimization Algorithm <b>2021</b> , 869-890	
6	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> , <b>2021</b> , 256-282	0.3
5	Optimal Design of Power System Stabilizer Using a Novel Evolutionary Algorithm. <i>International Journal of Energy Optimization and Engineering</i> , <b>2018</b> , 7, 24-46	0.9
4	Conventional Controllers Applied for Frequency Regulation. <i>Studies in Systems, Decision and Control</i> , <b>2022</b> , 79-111	0.8
3	Small-Signal Stability Modelling of Hybrid Power System. <i>Studies in Systems, Decision and Control</i> , <b>2022</b> , 15-40	0.8
2	Optimization Techniques. <i>Studies in Systems, Decision and Control</i> , <b>2022</b> , 41-77	0.8
1	Advanced Controller Applied for Frequency Regulation. <i>Studies in Systems, Decision and Control</i> , <b>2022</b> , 113-143	0.8