Jaspreet Singh Dhillon

List of Publications by Year
in descending order

97	2,168	257101	243296
papers	citations	24	44
		h-index	g-index

97	97	97	1343
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stochastic economic emission load dispatch. Electric Power Systems Research, 1993, 26, 179-186.	2.1	356
2	Solution of non-convex economic load dispatch problem using Grey Wolf Optimizer. Neural Computing and Applications, 2016, 27, 1301-1316.	3.2	150
3	Ameliorated grey wolf optimization for economic load dispatch problem. Energy, 2019, 169, 398-419.	4.5	124
4	Combined heat and power economic dispatch using integrated civilized swarm optimization and Powell's pattern search method. Applied Soft Computing Journal, 2017, 52, 190-202.	4.1	88
5	Hybrid artificial algae algorithm for economic load dispatch. Applied Soft Computing Journal, 2018, 71, 89-109.	4.1	76
6	Multiobjective thermal power dispatch using opposition-based greedy heuristic search. International Journal of Electrical Power and Energy Systems, 2016, 82, 339-353.	3.3	65
7	Fuzzy decision-making in stochastic multiobjective short-term hydrothermal scheduling. IET Generation, Transmission and Distribution, 2002, 149, 191.	1.1	64
8	Multi-objective combined heat and power unit commitment using particle swarm optimization. Energy, 2019, 172, 794-807.	4.5	64
9	Economic-emission load dispatch using binary successive approximation-based evolutionary search. IET Generation, Transmission and Distribution, 2009, 3, 1-16.	1.4	63
10	Multiobjective fixed head hydrothermal scheduling using integrated predator-prey optimization and Powell search method. Energy, 2012, 47, 237-252.	4.5	62
11	Synergic predator-prey optimization for economic thermal power dispatch problem. Applied Soft Computing Journal, 2016, 43, 298-311.	4.1	56
12	The surrogate worth trade-off approach for multiobjective thermal power dispatch problem. Electric Power Systems Research, 2000, 56, 103-110.	2.1	52
13	Emended salp swarm algorithm for multiobjective electric power dispatch problem. Applied Soft Computing Journal, 2020, 90, 106172.	4.1	52
14	Implementation of hybrid harmony search/random search algorithm for single area unit commitment problem. International Journal of Electrical Power and Energy Systems, 2016, 77, 228-249.	3.3	49
15	Multiobjective load dispatch by fuzzy logic based searching weightage pattern. Electric Power Systems Research, 2002, 63, 149-160.	2.1	47
16	Profit based unit commitment using hybrid optimization technique. Energy, 2018, 148, 701-715.	4.5	45
17	Dual head static clustering algorithm for wireless sensor networks. AEU - International Journal of Electronics and Communications, 2018, 88, 148-156.	1.7	36
18	Profit based unit commitment using memetic binary differential evolution algorithm. Applied Soft Computing Journal, 2019, 81, 105502.	4.1	36

#	ARTICLE	IF	CITATIONS
19	Fuzzy satisfying stochastic multi-objective generation scheduling by weightage pattern search methods. Electric Power Systems Research, 2004, 69, 311-320.	2.1	35
20	Scheduling short-term hydrothermal generation using predator prey optimization technique. Applied Soft Computing Journal, 2014, 21, 298-308.	4.1	34
21	Unit commitment considering dual-mode combined heat and power generating units using integrated optimization technique. Energy Conversion and Management, 2018, 171, 984-1001.	4.4	29
22	Multiobjective optimal thermal power dispatch. International Journal of Electrical Power and Energy Systems, 1994, 16, 383-389.	3.3	28
23	A novel hybrid DE–random search approach for unit commitment problem. Neural Computing and Applications, 2017, 28, 1559-1581.	3.2	28
24	Fuzzy decision making in multiobjective long-term scheduling of hydrothermal system. International Journal of Electrical Power and Energy Systems, 2001, 23, 19-29.	3.3	27
25	Weight pattern evaluation for multiobjective hydrothermal generation scheduling using hybrid search technique. International Journal of Electrical Power and Energy Systems, 2014, 62, 665-678.	3.3	24
26	Crisscross differential evolution algorithm for constrained hydrothermal scheduling. Applied Soft Computing Journal, 2020, 93, 106393.	4.1	22
27	Multi-objective Short-term Hydrothermal Generation Scheduling Using Predator–Prey Optimization. Electric Power Components and Systems, 2012, 40, 1708-1730.	1.0	21
28	Modified Binary Differential Evolution Algorithm to Solve Unit Commitment Problem. Electric Power Components and Systems, 2018, 46, 900-918.	1.0	20
29	Fuzzy satisfying multi-objective generation scheduling based on simplex weightage pattern search. International Journal of Electrical Power and Energy Systems, 2005, 27, 518-527.	3.3	19
30	A conglomerated ion-motion and crisscross search optimizer for electric power load dispatch. Applied Soft Computing Journal, 2019, 83, 105641.	4.1	18
31	Economic power generation scheduling exploiting hill-climbed Sine–Cosine‹ algorithm. Applied Soft Computing Journal, 2021, 111, 107690.	4.1	18
32	Modified Krill Herd Algorithm for constrained economic load dispatch problem. International Journal of Ambient Energy, 2022, 43, 4332-4342.	1.4	17
33	Hybrid HS–random search algorithm considering ensemble and pitch violation for unit commitment problem. Neural Computing and Applications, 2017, 28, 1123-1148.	3.2	15
34	Multiobjective thermal power load dispatch using adaptive predator–prey optimization. Applied Soft Computing Journal, 2018, 66, 370-383.	4.1	15
35	Real coded genetic algorithm for stochastic hydrothermal generation scheduling. Journal of Systems Science and Systems Engineering, 2011, 20, 87-109.	0.8	14
36	Design of Digital IIR Filter with Conflicting Objectives Using Hybrid Gravitational Search Algorithm. Mathematical Problems in Engineering, 2015, 2015, 1-16.	0.6	13

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37	Multiobjective multiarea unit commitment using hybrid differential evolution algorithm considering import/export and tie-line constraints. Neural Computing and Applications, 2017, 28, 3521-3536.	3.2	13
38	An improved particle swarm optimization using simplex-based deterministic approach for economic-emission power dispatch problem. Electrical Engineering, 2021, 103, 1347-1365.	1.2	13
39	A synergy of binary differential evolution and binary local search optimizer to solve multi-objective profit based unit commitment problem. Applied Soft Computing Journal, 2021, 107, 107387.	4.1	13
40	Integrated Cat Swarm Optimization and Differential Evolution Algorithm for Optimal IIR Filter Design in Multi-Objective Framework. Circuits, Systems, and Signal Processing, 2017, 36, 270-296.	1.2	12
41	Maximal coverage hybrid search algorithm for deployment in wireless sensor networks. Wireless Networks, 2019, 25, 637-652.	2.0	12
42	Real Coded Genetic Algorithm for Design of IIR Digital Filter with Conflicting Objectives. Applied Mathematics and Information Sciences, 2014, 8, 2635-2644.	0.7	12
43	MULTIOBJECTIVE DECISION MAKING IN STOCHASTIC ECONOMIC DISPATCH. Electric Power Components and Systems, 1995, 23, 289-301.	0.1	11
44	A Novel Random Transition Based PSO Algorithm to Maximize the Lifetime of Wireless Sensor Networks. Wireless Personal Communications, 2018, 98, 2261-2290.	1.8	11
45	Non-interactive approach to solve multi-objective thermal power dispatch problem using composite search algorithm. Applied Soft Computing Journal, 2018, 65, 644-658.	4.1	10
46	Multi-objective thermal power load dispatch using chaotic differential evolutionary algorithm and Powell's method. Soft Computing, 2018, 22, 2159-2174.	2.1	10
47	Fuzzy Satisfying Multiobjective Thermal Power Dispatch Based on Surrogate Worth Trade-off Method. Electric Power Components and Systems, 2007, 36, 93-108.	1.0	9
48	On the design and optimization of digital IIR filter using oppositional artificial bee colony algorithm. , 2016, , .		9
49	A Simple Opposition-based Greedy Heuristic Search for Dynamic Economic Thermal Power Dispatch. Electric Power Components and Systems, 2016, 44, 589-605.	1.0	9
50	Hybrid heuristic search method for design of digital IIR filter with conflicting objectives. Soft Computing, 2017, 21, 3461-3476.	2.1	9
51	Surrogate worth trade-off method for multi-objective thermal power load dispatch. Energy, 2017, 138, 1112-1123.	4.5	9
52	Evaluation of Best Weight Pattern for Multiple Criteria Load Dispatch. Electric Power Components and Systems, 2006, 34, 21-35.	1.0	8
53	Stochastic multiobjective generation allocation using pattern-search method. IET Generation, Transmission and Distribution, 2006, 153, 476.	1.1	8
54	Secure multiobjective real and reactive power allocation of thermal power units. International Journal of Electrical Power and Energy Systems, 2008, 30, 594-602.	3.3	8

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55	Predator–prey optimizationÂbased clustering algorithm for wireless sensor networks. Neural Computing and Applications, 2021, 33, 11415.	3.2	7
56	Short-term Hydro-Thermal-Wind-Solar Power Scheduling: A Case Study of Kanyakumari Region of India. International Journal of Renewable Energy Development, 2021, 10, 635-651.	1.2	7
57	Multiobjective Load Dispatch Based on Genetic-Fuzzy Technique. , 2006, , .		6
58	Modified particle swarm optimization using simplex search method for multiobjective economic emission dispatch problem. , 2017, , .		6
59	Two Stage Grid Classification Based Algorithm for the Identification of Fields Under a Wireless Sensor Network Monitored Area. Wireless Personal Communications, 2017, 95, 1055-1074.	1.8	5
60	Stochastic Multi-Objective Generation Dispatch. Electric Power Components and Systems, 2004, 32, 1083-1103.	1.0	4
61	Sensitivity Measure for Electric Power Load Dispatch Problem. Electric Power Components and Systems, 2010, 38, 1228-1247.	1.0	4
62	Design of Digital IIR Filter with Conflicting Objectives Using Hybrid Predator–Prey Optimization. Circuits, Systems, and Signal Processing, 2018, 37, 2117-2141.	1.2	4
63	Multi-Objective Profit Based Commitment and Dispatch of Cogeneration System Using Decision Making Strategy Approach. IETE Technical Review (Institution of Electronics and Telecommunication) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf		4
64	Optimal Scheduling of Solar-Wind-Thermal Integrated System Using α-Constrained Simplex Method. International Journal of Renewable Energy Development, 2021, 10, 47-59.	1.2	4
65	Fuzzy satisfying interactive multiobjective thermal power dispatch: SWT approach. Journal of Systems Science and Systems Engineering, 2007, 16, 88-106.	0.8	3
66	Best weight pattern evaluation based security constrained power dispatch algorithm. Journal of Systems Science and Systems Engineering, 2007, 16, 287-307.	0.8	3
67	A new greedy search method for the design of digital IIR filter. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 278-287.	2.7	3
68	Multi-Objective Power Scheduling of Wind–Thermal Integrated System by Using α-Constrained Simplex Method. , 2020, , .		3
69	Hybridized Particle Swarm Optimization on Constrained Economic Dispatch Problem. Journal of Computational and Theoretical Nanoscience, 2020, 17, 322-328.	0.4	3
70	Solar-Thermal Power Scheduling by Inserting α-Constrained Method to Nonlinear Simplex Method with Mutations. , 2020, , .		3
71	An enhanced approach for solving <scp>multi€objective</scp> cogeneration based unit commitment problem. Environmental Progress and Sustainable Energy, 2022, 41, e13773.	1.3	3
72	An Improved Simplex based Particle Swarm Optimization for Environmentally Constrained Economic Dispatch Problem in Thermal Power Plants. Lecture Notes in Electrical Engineering, 2021, , 1-17.	0.3	3

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73	Memetic binary differential evolution to solve wind–thermal profit based unit commitment problem. Applied Soft Computing Journal, 2022, 125, 109105.	4.1	3
74	Fuzzy logic approach for generation dispatch of electric power system with conflicting objectives. , 0, , .		2
75	Surrogate worth trade-off method for economic-emission dispatch. , 2006, , .		2
76	Cardinal priority ranking based decision making for economic-emission dispatch problem. International Journal of Engineering, Science and Technology, 2010, 1, .	0.3	2
77	A binary differential evolution based memetic algorithm to solve profit based unit commitment problem. , 2018, , .		2
78	Design of Digital IIR Filters using Integrated Cat Swarm Optimization and Differential Evolution. International Journal of Computer Applications, 2014, 99, 28-43.	0.2	2
79	Improved Directional Bat Algorithm Based Electric Power Dispatch. Electric Power Components and Systems, 2020, 48, 2089-2105.	1.0	2
80	Generation Pattern Search for Different Kinds of Economic Load Dispatch. , 2007, , .		1
81	Interactive fuzzy decision making for multiobjective load dispatch. International Journal of Sustainable Energy, 2008, 27, 15-27.	1.3	1
82	Interactive fuzzy approach for economic-environmental electric power load dispatch. , 2016, , .		1
83	Integrated particle swarm optimization variants for economic load dispatch problem. , 2016, , .		1
84	Hybrid Artificial Algae Algorithm for global optimization. , 2017, , .		1
85	An Experimental Study of Ion Motion Optimization for Constraint Economic Load Dispatch Problem. , 2018, , .		1
86	Economic Emission Load Dispatch using Fuzzy Decision based Whale Algorithm. , 2019, , .		1
87	Design of Higher Order Digital IIR Low Pass Filter Using Hybrid Differential Evolution. International Journal of Signal Processing Systems, 2015, 4, .	0.5	1
88	Short-Range Fixed-Head Hydrothermal Generation Scheduling using Water Cycle Algorithm. , 2021, , .		1
89	Economic Load Dispatch using HCGSA. , 2021, , .		1
90	Multiobjective Load Dispatch by Evolutionary Optimization Technique Based Weightage Pattern Search Method. Electric Power Components and Systems, 2005, 33, 431-448.	1.0	0

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91	Fuzzy based design of digital IIR filter using ETLBO. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 4042-4062.	0.9	0
92	Short-term Hydro-Thermal-Wind-Solar Power Scheduling: A Case Study of Kanyakumari Region of India. International Journal of Renewable Energy Development, 2021, , .	1.2	0
93	Multiobjective Integrated Stochastic and Deterministic Search Method for Economic Emission Dispatch Problem. , 2020, , 555-565.		0
94	Multi-objective Optimization Problem Using Hybridized Krill Herd Algorithm. , 2021, , .		0
95	An Integrated Optimization Algorithm to Solve Profit Based Unit Commitment Problem. , 2021, , .		0
96	Multiobjective Dynamic Economic Dispatch Amalgamating Solar PV and Wind Power Generation Using Hybrid SCA. , 2021, , .		0
97	Application of Hybrid Artificial Algae Algorithm for Dynamic Economic Load Dispatch Problem. , 2021, , .		0