

Alok Singh

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.

95
papers

1,396
citations

20
h-index

34
g-index

99
ext. papers

1,597
ext. citations

3.3
avg, IF

5.51
L-index

#	Paper	IF	Citations
95	Swarm intelligence, exact and matheuristic approaches for minimum weight directed dominating set problem. <i>Engineering Applications of Artificial Intelligence</i> , 2022 , 109, 104647	7.2	0
94	Hybridization of Artificial Bee Colony Algorithm with Estimation of Distribution Algorithm for Minimum Weight Dominating Set Problem. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 607-619	0.4	2
93	A simple hyper-heuristic approach for a variant of many-to-many hub location-routing problem. <i>Journal of Heuristics</i> , 2021 , 27, 791-868	1.9	1
92	A Hybrid Discrete Differential Evolution Approach for the Single Machine Total Stepwise Tardiness Problem with Release Dates 2021 ,		2
91	Focus distance-aware lifetime maximization of video camera-based wireless sensor networks. <i>Journal of Heuristics</i> , 2021 , 27, 5-30	1.9	2
90	Heuristics for Generalized Minimum Dominating Set Problem. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 313-327	0.4	
89	Multi-start heuristics for the profitable tour problem. <i>Swarm and Evolutionary Computation</i> , 2021 , 64, 100897	9.8	2
88	NSGA-II with objective-specific variation operators for multiobjective vehicle routing problem with time windows. <i>Expert Systems With Applications</i> , 2021 , 176, 114779	7.8	13
87	Multi-start iterated local search, exact and matheuristic approaches for minimum capacitated dominating set problem. <i>Applied Soft Computing Journal</i> , 2021 , 108, 107437	7.5	1
86	An evolution strategy based approach for cover scheduling problem in wireless sensor networks. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 1981-2006	3.8	3
85	Two multi-start heuristics for the k-traveling salesman problem. <i>Opsearch</i> , 2020 , 57, 1164-1204	1.6	2
84	Two hybrid metaheuristic approaches for the covering salesman problem. <i>Neural Computing and Applications</i> , 2020 , 32, 15643-15663	4.8	11
83	Heuristics for Minimum Weight Directed Dominating Set Problem. <i>Communications in Computer and Information Science</i> , 2020 , 494-507	0.3	1
82	An artificial bee colony algorithm with variable degree of perturbation for the generalized covering traveling salesman problem. <i>Applied Soft Computing Journal</i> , 2019 , 78, 481-495	7.5	25
81	A Multi-start Iterated Local Search Algorithm with Variable Degree of Perturbation for the Covering Salesman Problem. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 279-292	0.4	6
80	A Multi-Start Iterated Local Search Algorithm for the Maximum Scatter Traveling Salesman Problem 2019 ,		3
79	An Evolutionary Approach to Multi-point Relays Selection in Mobile Ad Hoc Networks. <i>Lecture Notes in Computer Science</i> , 2019 , 375-384	0.9	1

78	A Hybrid Swarm Intelligence Approach for Anti-Covering Location Problem 2019 ,		4
77	Properties and Exact Solution Approaches for the Minimum Cost Dominating Tree Problem. <i>Lecture Notes in Computer Science</i> , 2018 , 3-26	0.9	
76	Two swarm intelligence approaches for tuning extreme learning machine. <i>International Journal of Machine Learning and Cybernetics</i> , 2018 , 9, 1271-1283	3.8	8
75	A swarm intelligence approach for the colored traveling salesman problem. <i>Applied Intelligence</i> , 2018 , 48, 4412-4428	4.9	16
74	Two swarm intelligence-based approaches for the p-centre problem. <i>International Journal of Swarm Intelligence</i> , 2018 , 3, 290	0.3	1
73	A hyper-heuristic based artificial bee colony algorithm for k-Interconnected multi-depot multi-traveling salesman problem. <i>Information Sciences</i> , 2018 , 463-464, 261-281	7.7	20
72	A general variable neighborhood search algorithm for the k-traveling salesman problem. <i>Procedia Computer Science</i> , 2018 , 143, 189-196	1.6	2
71	Boosting an evolution strategy with a preprocessing step: application to group scheduling problem in directional sensor networks. <i>Applied Intelligence</i> , 2018 , 48, 4760-4774	4.9	3
70	A hybrid artificial bee colony algorithm for the cooperative maximum covering location problem. <i>International Journal of Machine Learning and Cybernetics</i> , 2017 , 8, 691-697	3.8	12
69	Hybrid metaheuristic approaches for the single machine total stepwise tardiness problem with release dates. <i>Operational Research</i> , 2017 , 17, 275-295	1.6	5
68	Heuristics for lifetime maximization in camera sensor networks. <i>Information Sciences</i> , 2017 , 385-386, 475-491	7.7	6
67	Hybrid artificial bee colony algorithm based approaches for two ring loading problems. <i>Applied Intelligence</i> , 2017 , 47, 1157-1168	4.9	6
66	Two grouping-based metaheuristics for clique partitioning problem. <i>Applied Intelligence</i> , 2017 , 47, 430-442	4.9	6
65	Hybrid evolutionary approaches for the single machine order acceptance and scheduling problem. <i>Applied Soft Computing Journal</i> , 2017 , 52, 725-747	7.5	25
64	A hybrid artificial bee colony algorithm for the p-median problem with positive/negative weights. <i>Opsearch</i> , 2017 , 54, 67-93	1.6	6
63	A swarm intelligence approach for the p-median problem. <i>International Journal of Metaheuristics</i> , 2016 , 5, 136	0.8	1
62	A hybrid heuristic for dominating tree problem. <i>Soft Computing</i> , 2016 , 20, 377-397	3.5	9
61	Artificial bee colony algorithm for clustering: an extreme learning approach. <i>Soft Computing</i> , 2016 , 20, 3163-3176	3.5	14

60	Swarm intelligence approaches for multidepot salesmen problems with load balancing. <i>Applied Intelligence</i> , 2016 , 44, 849-861	4.9	9
59	An Ant Colony Optimization Approach for the Dominating Tree Problem. <i>Lecture Notes in Computer Science</i> , 2016 , 143-153	0.9	
58	A hybrid evolutionary approach for set packing problem. <i>Opsearch</i> , 2015 , 52, 271-284	1.6	5
57	A hybrid evolutionary algorithm with guided mutation for minimum weight dominating set. <i>Applied Intelligence</i> , 2015 , 43, 512-529	4.9	13
56	Group scheduling problems in directional sensor networks. <i>Engineering Optimization</i> , 2015 , 47, 1651-1669		5
55	A Novel ELM K-Means Algorithm for Clustering. <i>Lecture Notes in Computer Science</i> , 2015 , 212-222	0.9	2
54	Metaheuristic Approaches for the Blockmodel Problem. <i>IEEE Systems Journal</i> , 2015 , 9, 1237-1247	4.3	10
53	Two metaheuristic approaches for the multiple traveling salesperson problem. <i>Applied Soft Computing Journal</i> , 2015 , 26, 74-89	7.5	58
52	Swarm intelligence approaches for cover scheduling problem in wireless sensor networks. <i>International Journal of Bio-Inspired Computation</i> , 2015 , 7, 50	2.9	12
51	Combining ELM with Random Projections for Low and High Dimensional Data Classification and Clustering. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 89-107	0.4	1
50	A hybrid swarm intelligence approach to the registration area planning problem. <i>Information Sciences</i> , 2015 , 302, 50-69	7.7	19
49	A Hybrid Artificial Bee Colony Algorithm for the Terminal Assignment Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 134-144	0.9	1
48	Design of an Efficient Verification Scheme for Correctness of Outsourced Computations in Cloud Computing. <i>Communications in Computer and Information Science</i> , 2015 , 66-77	0.3	2
47	Metaheuristic Approaches for Multiprocessor Scheduling. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 721-731	0.4	0
46	A hybrid evolutionary approach to the registration area planning problem. <i>Applied Intelligence</i> , 2014 , 41, 1127-1149	4.9	8
45	An artificial bee colony algorithm for minimum weight dominating set 2014 ,		4
44	An effective heuristic for construction of all-to-all minimum power broadcast trees in wireless networks 2014 ,		1
43	Cutting-plane-based algorithms for two branch vertices related spanning tree problems. <i>Optimization and Engineering</i> , 2014 , 15, 855-887	2.1	5

42	p-shrink: A Heuristic for Improving Minimum All-to-All Power Broadcast Trees in Wireless Networks. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 61-69	0.2	
41	A genetic algorithm based exact approach for lifetime maximization of directional sensor networks. <i>Ad Hoc Networks</i> , 2013 , 11, 1006-1021	4.8	23
40	Lifetime maximization in wireless directional sensor network. <i>European Journal of Operational Research</i> , 2013 , 231, 229-241	5.6	29
39	Metaheuristic algorithms for computing capacitated dominating set with uniform and variable capacities. <i>Swarm and Evolutionary Computation</i> , 2013 , 13, 22-33	9.8	9
38	New heuristic approaches for the dominating tree problem. <i>Applied Soft Computing Journal</i> , 2013 , 13, 4695-4703	7.5	17
37	Hybrid metaheuristic algorithms for minimum weight dominating set. <i>Applied Soft Computing Journal</i> , 2013 , 13, 76-88	7.5	38
36	Matheuristic approaches for Q-coverage problem versions in wireless sensor networks. <i>Engineering Optimization</i> , 2013 , 45, 609-626	2	17
35	A study on energy issues in construction of all-to-all minimum power broadcast (A2A MPB) trees in wireless networks 2013 ,		1
34	An Ant Colony Optimization Algorithm for the Min-Degree Constrained Minimum Spanning Tree Problem. <i>Lecture Notes in Computer Science</i> , 2013 , 85-94	0.9	
33	New heuristics for two bounded-degree spanning tree problems. <i>Information Sciences</i> , 2012 , 195, 226-240	7	15
32	Column generation algorithm for sensor coverage scheduling under bandwidth constraints. <i>Networks</i> , 2012 , 60, 141-154	1.6	23
31	A Greedy Heuristic and Its Variants for Minimum Capacitated Dominating Set. <i>Communications in Computer and Information Science</i> , 2012 , 28-39	0.3	2
30	Hybrid heuristics for the single machine scheduling problem with quadratic earliness and tardiness costs. <i>International Journal of Machine Learning and Cybernetics</i> , 2012 , 3, 327-333	3.8	4
29	An exact approach for maximizing the lifetime of sensor networks with adjustable sensing ranges. <i>Computers and Operations Research</i> , 2012 , 39, 3166-3176	4.6	26
28	A swarm intelligence approach to the early/tardy scheduling problem. <i>Swarm and Evolutionary Computation</i> , 2012 , 4, 25-32	9.8	35
27	A hybrid heuristic for the set covering problem. <i>Operational Research</i> , 2012 , 12, 345-365	1.6	15
26	An Artificial Bee Colony Algorithm for the Minimum Average Routing Path Clustering Problem in Multi-hop Underwater Sensor Networks. <i>Communications in Computer and Information Science</i> , 2012 , 212-219	0.3	
25	An artificial bee colony algorithm based approach to the constrained p-center problem 2012 ,		2

24	Two Hybrid Meta-heuristic Approaches for Minimum Dominating Set Problem. <i>Lecture Notes in Computer Science</i> , 2011 , 97-104	0.9	5
23	An artificial bee colony algorithm for the minimum routing cost spanning tree problem. <i>Soft Computing</i> , 2011 , 15, 2489-2499	3.5	30
22	Genetic algorithms for single machine scheduling with quadratic earliness and tardiness costs. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 54, 251-265	3.2	16
21	A hybrid genetic algorithm for the minimum energy broadcast problem in wireless ad hoc networks. <i>Applied Soft Computing Journal</i> , 2011 , 11, 667-674	7.5	23
20	TABU SEARCH FOR MULTIPROCESSOR SCHEDULING: APPLICATION TO HIGH LEVEL SYNTHESIS. <i>Asia-Pacific Journal of Operational Research</i> , 2011 , 28, 201-212	0.8	3
19	On the Cover Scheduling Problem in Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2011 , 657-668	0.9	5
18	Grouping Genetic Algorithm for Data Clustering. <i>Lecture Notes in Computer Science</i> , 2011 , 225-232	0.9	1
17	A HYBRID PERMUTATION-CODED EVOLUTIONARY ALGORITHM FOR THE EARLY/TARDY SCHEDULING PROBLEM. <i>Asia-Pacific Journal of Operational Research</i> , 2010 , 27, 713-725	0.8	7
16	An Artificial Bee Colony Algorithm for the 0/1 Multidimensional Knapsack Problem. <i>Communications in Computer and Information Science</i> , 2010 , 141-151	0.3	18
15	A metaheuristic for the fixed job scheduling problem under spread time constraints. <i>Computers and Operations Research</i> , 2010 , 37, 1045-1054	4.6	14
14	A swarm intelligence approach to the quadratic minimum spanning tree problem. <i>Information Sciences</i> , 2010 , 180, 3182-3191	7.7	82
13	A Swarm Intelligence Approach to the Quadratic Multiple Knapsack Problem. <i>Lecture Notes in Computer Science</i> , 2010 , 626-633	0.9	21
12	A new grouping genetic algorithm approach to the multiple traveling salesperson problem. <i>Soft Computing</i> , 2009 , 13, 95-101	3.5	64
11	An artificial bee colony algorithm for the leaf-constrained minimum spanning tree problem. <i>Applied Soft Computing Journal</i> , 2009 , 9, 625-631	7.5	338
10	A Hybrid Grouping Genetic Algorithm for Multiprocessor Scheduling. <i>Communications in Computer and Information Science</i> , 2009 , 1-7	0.3	5
9	An Artificial Bee Colony Algorithm for the Quadratic Knapsack Problem. <i>Lecture Notes in Computer Science</i> , 2009 , 196-205	0.9	13
8	A New Heuristic for the Minimum Routing Cost Spanning Tree Problem 2008 ,		5
7	NEW METAHEURISTIC APPROACHES FOR THE LEAF-CONSTRAINED MINIMUM SPANNING TREE PROBLEM. <i>Asia-Pacific Journal of Operational Research</i> , 2008 , 25, 575-589	0.8	9

6	Two heuristics for the one-dimensional bin-packing problem. <i>OR Spectrum</i> , 2007 , 29, 765-781	1.9	30
5	Improved heuristics for the bounded-diameter minimum spanning tree problem. <i>Soft Computing</i> , 2007 , 11, 911-921	3.5	24
4	A HYBRID HEURISTIC FOR THE MINIMUM WEIGHT VERTEX COVER PROBLEM. <i>Asia-Pacific Journal of Operational Research</i> , 2006 , 23, 273-285	0.8	20
3	A hybrid heuristic for the maximum clique problem. <i>Journal of Heuristics</i> , 2006 , 12, 5-22	1.9	33
2	Evolutionary approaches for the weighted anti-covering location problem. <i>Evolutionary Intelligence</i> , 1	1.7	0
1	An evolutionary approach for obnoxious cooperative maximum covering location problem. <i>Applied Intelligence</i> , 1	4.9	