

Jagdish Chand Bansal

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.

95
papers

2,139
citations

23
h-index

44
g-index

102
ext. papers

2,608
ext. citations

2.2
avg, IF

5.75
L-index

#	Paper	IF	Citations
95	Spider Monkey Optimization algorithm for numerical optimization. <i>Memetic Computing</i> , 2014 , 6, 31-47	3.4	319
94	Inertia Weight strategies in Particle Swarm Optimization 2011 ,		224
93	A Modified Binary Particle Swarm Optimization for Knapsack Problems. <i>Applied Mathematics and Computation</i> , 2012 , 218, 11042-11061	2.7	143
92	Hybrid Artificial Bee Colony algorithm with Differential Evolution. <i>Applied Soft Computing Journal</i> , 2017 , 58, 11-24	7.5	110
91	Artificial bee colony algorithm: a survey. <i>International Journal of Advanced Intelligence Paradigms</i> , 2013 , 5, 123	0.5	81
90	Memetic search in artificial bee colony algorithm. <i>Soft Computing</i> , 2013 , 17, 1911-1928	3.5	78
89	Opposition based Lévy flight artificial bee colony. <i>Memetic Computing</i> , 2013 , 5, 213-227	3.4	68
88	Lévy flight artificial bee colony algorithm. <i>International Journal of Systems Science</i> , 2016 , 47, 2652-2670	2.3	56
87	Plant leaf disease identification using exponential spider monkey optimization. <i>Sustainable Computing: Informatics and Systems</i> , 2020 , 28, 100283	3	56
86	A Survey on Parallel Particle Swarm Optimization Algorithms. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 2899-2923	2.5	49
85	Fitness based Differential Evolution. <i>Memetic Computing</i> , 2012 , 4, 303-316	3.4	46
84	Mean particle swarm optimisation for function optimisation. <i>International Journal of Computational Intelligence Studies</i> , 2009 , 1, 72	0.7	46
83	Stability analysis of Artificial Bee Colony optimization algorithm. <i>Swarm and Evolutionary Computation</i> , 2018 , 41, 9-19	9.8	41
82	Particle Swarm Optimization. <i>Studies in Computational Intelligence</i> , 2019 , 11-23	0.8	37
81	Spider monkey optimization algorithm for constrained optimization problems. <i>Soft Computing</i> , 2017 , 21, 6933-6962	3.5	37
80	Cognitive learning in differential evolution and its application to model order reduction problem for single-input single-output systems. <i>Memetic Computing</i> , 2012 , 4, 209-229	3.4	35
79	Self-adaptive artificial bee colony. <i>Optimization</i> , 2014 , 63, 1513-1532	1.2	31

78	Optimal placement and sizing of capacitor using Limaón inspired spider monkey optimization algorithm. <i>Memetic Computing</i> , 2017 , 9, 311-331	3.4	30
77	Wind farm layout using biogeography based optimization. <i>Renewable Energy</i> , 2017 , 107, 386-402	8.1	29
76	Accelerating Artificial Bee Colony algorithm with adaptive local search. <i>Memetic Computing</i> , 2015 , 7, 215-230	3.4	29
75	Hybridization of particle swarm optimization with quadratic approximation. <i>Opsearch</i> , 2009 , 46, 3-24	1.6	27
74	Optimal power flow analysis using Lévy flight spider monkey optimisation algorithm. <i>International Journal of Artificial Intelligence and Soft Computing</i> , 2016 , 5, 320	0.1	27
73	Improving the Local Search Ability of Spider Monkey Optimization Algorithm Using Quadratic Approximation for Unconstrained Optimization. <i>Computational Intelligence</i> , 2017 , 33, 210-240	2.5	25
72	Self Balanced Differential Evolution. <i>Journal of Computational Science</i> , 2014 , 5, 312-323	3.4	22
71	Balanced artificial bee colony algorithm. <i>International Journal of Artificial Intelligence and Soft Computing</i> , 2013 , 3, 222	0.1	22
70	Spider Monkey Optimization Algorithm. <i>Studies in Computational Intelligence</i> , 2019 , 43-59	0.8	21
69	Artificial bee colony algorithm with global and local neighborhoods. <i>International Journal of Systems Assurance Engineering and Management</i> , 2018 , 9, 589-601	1.3	18
68	A better exploration strategy in Grey Wolf Optimizer. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 12, 1099-1118	3.7	18
67	On Stability Analysis of Particle Swarm Optimization Algorithm. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 2385-2394	2.5	17
66	Parameter tuning for meta-heuristics. <i>Knowledge-Based Systems</i> , 2020 , 189, 105094	7.3	16
65	Design of wind farm layout with non-uniform turbines using fitness difference based BBO. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 71, 45-59	7.2	15
64	Modified global best artificial bee colony for constrained optimization problems. <i>Computers and Electrical Engineering</i> , 2018 , 67, 365-382	4.3	15
63	Lévy Flight Based Local Search in Differential Evolution. <i>Lecture Notes in Computer Science</i> , 2013 , 248-259	0.9	15
62	Fitness based particle swarm optimization. <i>International Journal of Systems Assurance Engineering and Management</i> , 2015 , 6, 319-329	1.3	14
61	Optimal power flow using artificial bee colony algorithm with global and local neighborhoods. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017 , 8, 2158-2169	1.3	13

60	A novel disruption in biogeography-based optimization with application to optimal power flow problem. <i>Applied Intelligence</i> , 2017 , 46, 590-615	4.9	12
59	A Review on Scale Factor Strategies in Differential Evolution Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 925-943	0.4	12
58	On the Hybridization of Spider Monkey Optimization and Genetic Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 185-196	0.4	11
57	Fireworks-inspired biogeography-based optimization. <i>Soft Computing</i> , 2019 , 23, 7091-7115	3.5	10
56	Information sharing strategy among particles in Particle Swarm Optimization using Laplacian operator 2009 ,		10
55	Model Order Reduction of Single Input Single Output Systems Using Artificial Bee Colony Optimization Algorithm. <i>Studies in Computational Intelligence</i> , 2011 , 85-100	0.8	10
54	Analysing Convergence, Consistency, and Trajectory of Artificial Bee Colony Algorithm. <i>IEEE Access</i> , 2018 , 6, 73593-73602	3.5	10
53	Power law-based local search in artificial bee colony. <i>International Journal of Artificial Intelligence and Soft Computing</i> , 2014 , 4, 164	0.1	9
52	Dynamic Swarm Artificial Bee Colony Algorithm. <i>International Journal of Applied Evolutionary Computation</i> , 2012 , 3, 19-33	0.6	9
51	Multi-area economic dispatch with stochastic wind power using Salp Swarm Algorithm. <i>Array</i> , 2020 , 8, 100044	4.7	9
50	Modified spider monkey optimization 2016 ,		9
49	Self Adaptive Acceleration Factor in Particle Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 325-340	0.4	8
48	A non-deterministic adaptive inertia weight in PSO 2011 ,		8
47	Optimization of directional overcurrent relay times using Laplace Crossover Particle Swarm Optimization (LXPSO) 2009 ,		8
46	A Socio-Cognitive Particle Swarm Optimization for Multi-Dimensional Knapsack Problem 2008 ,		8
45	Dynamic Scaling Factor Based Differential Evolution Algorithm. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 73-85		8
44	Expedited Artificial Bee Colony Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 787-800	0.4	8
43	Modified Artificial Bee Colony Algorithm Based on Disruption Operator. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 889-900	0.4	8

42	Escalated convergent artificial bee colony. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2016 , 28, 181-200	2	7
41	Fitness varying gravitational constant in GSA. <i>Applied Intelligence</i> , 2018 , 48, 3446-3461	4.9	7
40	Optimization of directional overcurrent relay times by particle swarm optimization 2008 ,		7
39	Black Hole Artificial Bee Colony Algorithm. <i>Lecture Notes in Computer Science</i> , 2016 , 214-221	0.9	7
38	Optimal Design of Water Distribution Networks via Particle Swarm Optimization 2009 ,		6
37	Solving nonconvex trim loss problem using an efficient hybrid Particle Swarm Optimization 2009 ,		6
36	Fitness Based Self Adaptive Differential Evolution. <i>Studies in Computational Intelligence</i> , 2014 , 71-84	0.8	6
35	A Modified Biogeography Based Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 227-238	0.3	5
34	Swarm and Evolutionary Computation. <i>Studies in Computational Intelligence</i> , 2019 , 1-9	0.8	5
33	Bacterial Foraging Optimization: A Survey. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 227-242		5
32	Stability analysis of differential evolution 2016 ,		5
31	Grasshopper inspired artificial bee colony algorithm for numerical optimisation. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2021 , 33, 363-381	2	5
30	Global and Local Neighborhood Based Particle Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 449-460	0.4	4
29	Some modifications to enhance the performance of Artificial Bee Colony 2012 ,		4
28	Quadratic Approximation PSO for Economic Dispatch Problems with Valve-Point Effects. <i>Lecture Notes in Computer Science</i> , 2010 , 460-467	0.9	4
27	Meta heuristics for prime factorization problem 2013 ,		3
26	Power law-based local search in differential evolution. <i>International Journal of Computational Intelligence Studies</i> , 2013 , 2, 90	0.7	3
25	Mutation-driven grey wolf optimizer with modified search mechanism. <i>Expert Systems With Applications</i> , 2022 , 194, 116450	7.8	3

24	Group Social Learning in Artificial Bee Colony Optimization Algorithm. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 441-451		3
23	Application of Binary Particle Swarm Optimization in Cryptanalysis of DES. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 1061-1071		3
22	Migration in Biogeography-based Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 389-401	0.4	3
21	Grey wolf gravitational search algorithm 2016 ,		3
20	Effective competency based differential evolution algorithm. <i>Journal of Statistics and Management Systems</i> , 2019 , 22, 1223-1238	0.9	3
19	Hybridisation of classical unidimensional search with ABC to improve exploitation capability. <i>International Journal of Artificial Intelligence and Soft Computing</i> , 2015 , 5, 151	0.1	2
18	Particle Swarm Optimization for economic dispatch problems with valve-point effects 2010 ,		2
17	Performance Analysis of Turning Process via Particle Swarm Optimization. <i>Studies in Computational Intelligence</i> , 2008 , 453-460	0.8	2
16	Grey Wolf Optimizer with Crossover and Opposition-Based Learning. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 401-410	0.4	2
15	Chaotic Spider Monkey Optimization Algorithm with Enhanced Learning. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 149-161	0.4	2
14	Self-adaptive position update in artificial bee colony. <i>International Journal of Systems Assurance Engineering and Management</i> , 2018 , 9, 802-810	1.3	2
13	Modified Blended Migration and Polynomial Mutation in Biogeography-Based Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 217-225	0.4	1
12	Fibonacci Series-Inspired Local Search in Artificial Bee Colony Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 1023-1040	0.4	1
11	Diversity Measures in Artificial Bee Colony. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 299-314	0.4	1
10	Artificial bee colony with mean mutation operator for better exploitation 2012 ,		1
9	Remote Sensing Imagery Segmentation: A Hybrid Approach. <i>Remote Sensing</i> , 2021 , 13, 4604	5	1
8	Modified SIRD Model for COVID-19 Spread Prediction for Northern and Southern States of India. <i>Chaos, Solitons and Fractals</i> , 2021 , 148, 111039	9.3	1
7	An Optimal Feature Selection Approach Using IBBO for Histopathological Image Classification. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2021 , 31-40	0.4	0

- 6 A novel neighborhood archives embedded gravitational constant in GSA. *Soft Computing*, **2021**, 25, 6539-6555
- 5 Fitness-Based Controlled Movements in Artificial Bee Colony Algorithm. *Advances in Intelligent Systems and Computing*, **2020**, 749-760
- 4 Exponential Adaptive Strategy in Spider Monkey Optimization Algorithm. *Advances in Intelligent Systems and Computing*, **2020**, 1-15
- 3 Introduction to Computer Vision and Machine Learning Applications in Agriculture. *Algorithms for Intelligent Systems*, **2021**, 1-8
- 2 Harvesting Robots for Smart Agriculture. *Algorithms for Intelligent Systems*, **2022**, 1-13
- 1 Sine Cosine Algorithm: Introduction and Advances **2022**, 447-467