

# Hui Wang

## List of Publications by Year in descending order

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97  
papers

4,203  
citations

218662  
26  
h-index

128286  
60  
g-index

99  
all docs

99  
docs citations

99  
times ranked

2525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving artificial bee colony algorithm using modified nearest neighbor sequence. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 8807-8824.	3.9	4
2	An efficient interval many-objective evolutionary algorithm for cloud task scheduling problem under uncertainty. Information Sciences, 2022, 583, 56-72.	6.9	51
3	Artificial bee colony based on adaptive search strategy and random grouping mechanism. Expert Systems With Applications, 2022, 192, 116332.	7.6	24
4	Artificial bee colony algorithm with efficient search strategy based on random neighborhood structure. Knowledge-Based Systems, 2022, 241, 108306.	7.1	21
5	Artificial bee colony algorithm with an adaptive search manner and dimension perturbation. Neural Computing and Applications, 2022, 34, 16239-16253.	5.6	11
6	Surrogate-Assisted Artificial Bee Colony Algorithm. Communications in Computer and Information Science, 2022, , 262-271.	0.5	0
7	Multi-strategy ensemble firefly algorithm with equilibrium of convergence and diversity. Applied Soft Computing Journal, 2022, 123, 108938.	7.2	16
8	Artificial bee colony algorithm based on knowledge fusion. Complex & Intelligent Systems, 2021, 7, 1139-1152.	6.5	32
9	Artificial bee colony algorithm based on adaptive neighborhood search and Gaussian perturbation. Applied Soft Computing Journal, 2021, 100, 106955.	7.2	48
10	Population Diversity Guided Dimension Perturbation for Artificial Bee Colony Algorithm. Communications in Computer and Information Science, 2021, , 473-485.	0.5	5
11	Multipopulation artificial bee colony algorithm based on a modified probability selection model. Concurrency Computation Practice and Experience, 2021, 33, e6216.	2.2	2
12	An efficient firefly algorithm based on modified search strategy and neighborhood attraction. International Journal of Intelligent Systems, 2021, 36, 4346-4363.	5.7	7
13	Artificial Bee Colony Algorithm with an Adaptive Search Manner. Communications in Computer and Information Science, 2021, , 486-497.	0.5	3
14	A New Contingency Axiomatic System for Rough Sets. Communications in Computer and Information Science, 2021, , 375-386.	0.5	0
15	Approximation Relation for Rough Sets. Communications in Computer and Information Science, 2021, , 402-417.	0.5	0
16	Hybrid many-objective cuckoo search algorithm with Lévy and exponential distributions. Memetic Computing, 2020, 12, 251-265.	4.0	16
17	Enhancing Artificial Bee Colony Algorithm with Dynamic Best Neighbor-guided Search Strategy. , 2020, , .		2
18	Firefly Algorithm Based on Level-Based Attracting and Variable Step Size. IEEE Access, 2020, 8, 58700-58716.	4.2	14

#	ARTICLE	IF	CITATIONS
19	Hybrid many-objective particle swarm optimization algorithm for green coal production problem. Information Sciences, 2020, 518, 256-271.	6.9	140
20	LSRâ€forest: An locality sensitive hashingâ€based approximate k â€nearest neighbor query algorithm on highâ€dimensional uncertain data. Concurrency Computation Practice and Experience, 2020, , .	2.2	1
21	Improving artificial Bee colony algorithm using a new neighborhood selection mechanism. Information Sciences, 2020, 527, 227-240.	6.9	111
22	Artificial Bee Colony Based on Adaptive Selection Probability. Communications in Computer and Information Science, 2020, , 21-30.	0.5	0
23	Multi-strategy and Dimension Perturbation Ensemble of Artificial Bee Colony. , 2019, , .		7
24	Improving Artificial Bee Colony Algorithm Using a Dynamic Reduction Strategy for Dimension Perturbation. Mathematical Problems in Engineering, 2019, 2019, 1-11.	1.1	2
25	A Coupling Approach With GSO-BFOA for Many-Objective Optimization. IEEE Access, 2019, 7, 120248-120261.	4.2	5
26	A mobile node localization algorithm based on an overlapping self-adjustment mechanism. Information Sciences, 2019, 481, 635-649.	6.9	29
27	A hybrid many-objective cuckoo search algorithm. Soft Computing, 2019, 23, 10681-10697.	3.6	34
28	An Improved Artificial Bee Colony Algorithm Based on Elite Strategy and Dimension Learning. Mathematics, 2019, 7, 289.	2.2	13
29	A New Multi-strategy Ensemble Artificial Bee Colony Algorithm for Water Demand Prediction. Communications in Computer and Information Science, 2019, , 63-70.	0.5	3
30	A New Artificial Bee Colony Based on Multiple Search Strategies and Dimension Selection. IEEE Access, 2019, 7, 133982-133995.	4.2	9
31	Analyses of inverted generational distance for many-objective optimisation algorithms. International Journal of Bio-Inspired Computation, 2019, 14, 62.	0.9	20
32	A new dynamic firefly algorithm for demand estimation of water resources. Information Sciences, 2018, 438, 95-106.	6.9	135
33	Hybrid multi-objective cuckoo search with dynamical local search. Memetic Computing, 2018, 10, 199-208.	4.0	164
34	A hybrid multi-objective firefly algorithm for big data optimization. Applied Soft Computing Journal, 2018, 69, 806-815.	7.2	105
35	Bat algorithm with triangle-flipping strategy for numerical optimization. International Journal of Machine Learning and Cybernetics, 2018, 9, 199-215.	3.6	101
36	A New Artificial Bee Colony Algorithm for Solving Large-Scale Optimization Problems. Lecture Notes in Computer Science, 2018, , 329-337.	1.3	2

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37	Design of Fibonacci Sequence RFID Antenna Using Differential Evolution. , 2018, , .		0
38	Bat Algorithm with Individual Local Search. IFIP Advances in Information and Communication Technology, 2018, , 442-451.	0.7	3
39	A new differential evolution based on Gaussian sampling for forecasting urban water resources demand. International Journal of Computing Science and Mathematics, 2018, 9, 155.	0.3	2
40	Differential evolution with multi-information guidance. , 2018, , .		1
41	Gaussian bare-bones cuckoo search algorithm. , 2018, , .		6
42	Improving Energy Demand Estimation Using an Adaptive Firefly Algorithm. Communications in Computer and Information Science, 2018, , 171-181.	0.5	2
43	Multi-objective Firefly Algorithm Guided by Elite Particle. Communications in Computer and Information Science, 2018, , 159-170.	0.5	1
44	Yagi-Uda Antenna Design Using Differential Evolution. Communications in Computer and Information Science, 2018, , 427-438.	0.5	0
45	Enhancing the modified artificial bee colony algorithm with neighborhood search. Soft Computing, 2017, 21, 2733-2743.	3.6	42
46	Firefly algorithm with adaptive control parameters. Soft Computing, 2017, 21, 5091-5102.	3.6	111
47	A new cuckoo search algorithm with hybrid strategies for flow shop scheduling problems. Soft Computing, 2017, 21, 4297-4307.	3.6	57
48	Randomly attracted firefly algorithm with neighborhood search and dynamic parameter adjustment mechanism. Soft Computing, 2017, 21, 5325-5339.	3.6	86
49	Firefly algorithm with neighborhood attraction. Information Sciences, 2017, 382-383, 374-387.	6.9	253
50	Dynamic Step Factor Based Firefly Algorithm for Optimization Problems. , 2017, , .		2
51	Firefly algorithm for multi-objective optimal allocation of water resource. International Journal of Innovative Computing and Applications, 2017, 8, 222.	0.2	2
52	Firefly Algorithm for Demand Estimation of Water Resources. Lecture Notes in Computer Science, 2017, , 11-20.	1.3	1
53	A New Adaptive Firefly Algorithm for Solving Optimization Problems. Lecture Notes in Computer Science, 2017, , 649-657.	1.3	1
54	Adaptive Firefly Algorithm with a Modified Attractiveness Strategy. Lecture Notes in Computer Science, 2017, , 717-726.	1.3	0

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55	Selection Mechanism in Artificial Bee Colony Algorithm: A Comparative Study on Numerical Benchmark Problems. Lecture Notes in Computer Science, 2017, , 61-69.	1.3	1
56	Improved multi-strategy artificial bee colony algorithm. International Journal of Computing Science and Mathematics, 2016, 7, 467.	0.3	13
57	Adaptive firefly algorithm with alternative search. , 2016, , .		2
58	Using opposition-based learning to enhance differential evolution: A comparative study. , 2016, , .		16
59	Firefly algorithm with random attraction. International Journal of Bio-Inspired Computation, 2016, 8, 33.	0.9	159
60	A Hybrid Firefly Algorithm for Continuous Optimization Problems. Lecture Notes in Computer Science, 2016, , 522-531.	1.3	2
61	Gaussian bare-bones artificial bee colony algorithm. Soft Computing, 2016, 20, 907-924.	3.6	69
62	A New Firefly Algorithm with Local Search for Numerical Optimization. Communications in Computer and Information Science, 2016, , 13-22.	0.5	0
63	Firefly algorithm with generalised opposition-based learning. International Journal of Wireless and Mobile Computing, 2015, 9, 370.	0.2	12
64	Heterogeneous Differential Evolution for Numerical Optimization. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	5
65	Improved differential evolution with adaptive opposition strategy. , 2014, , .		7
66	A New Approach of Diversity Enhanced Particle Swarm Optimization with Neighborhood Search and Adaptive Mutation. Lecture Notes in Computer Science, 2014, , 143-150.	1.3	1
67	Multi-strategy ensemble artificial bee colony algorithm. Information Sciences, 2014, 279, 587-603.	6.9	222
68	Enhancing differential evolution with role assignment scheme. Soft Computing, 2014, 18, 2209-2225.	3.6	24
69	Rotation-Based Learning: A Novel Extension of Opposition-Based Learning. Lecture Notes in Computer Science, 2014, , 511-522.	1.3	7
70	Accelerating artificial bee colony algorithm by using an external archive. , 2013, , .		1
71	Particle swarm optimization with adaptive mutation for multimodal optimization. Applied Mathematics and Computation, 2013, 221, 296-305.	2.2	66
72	Diversity enhanced particle swarm optimization with neighborhood search. Information Sciences, 2013, 223, 119-135.	6.9	342

#	ARTICLE	IF	CITATIONS
73	A Novel Enhanced Particle Swarm Optimization Method with Diversity and Neighborhood Search. , 2013, , .		2
74	A scalability test of Gaussian bare-bones differential evolution on high-dimensional optimization problems. , 2013, , .		1
75	Gaussian Bare-Bones Differential Evolution. IEEE Transactions on Cybernetics, 2013, 43, 634-647.	9.5	346
76	Parallel differential evolution with self-adapting control parameters and generalized opposition-based learning for solving high-dimensional optimization problems. Journal of Parallel and Distributed Computing, 2013, 73, 62-73.	4.1	104
77	Accelerating Gaussian bare-bones differential evolution using neighbourhood mutation. International Journal of Computing Science and Mathematics, 2013, 4, 266.	0.3	12
78	Differential evolution with nonlinear simplex method and dynamic neighborhood search. , 2013, , .		0
79	Opposition-Based Barebones Particle Swarm for Constrained Nonlinear Optimization Problems. Mathematical Problems in Engineering, 2012, 2012, 1-12.	1.1	14
80	Generalised opposition-based differential evolution: an experimental study. International Journal of Computer Applications in Technology, 2012, 43, 311.	0.5	12
81	Elite Opposition-Based Differential Evolution for Solving Large-Scale Optimization Problems and Its Implementation on GPU. , 2012, , .		23
82	Improving comprehensive learning particle swarm optimiser using generalised opposition-based learning. International Journal of Modelling, Identification and Control, 2011, 14, 310.	0.2	15
83	Enhanced opposition-based differential evolution for solving high-dimensional continuous optimization problems. Soft Computing, 2011, 15, 2127-2140.	3.6	180
84	Enhancing particle swarm optimization using generalized opposition-based learning. Information Sciences, 2011, 181, 4699-4714.	6.9	385
85	Adaptive Differential Evolution with variable population size for solving high-dimensional problems. , 2011, , .		20
86	Particle swarm optimisation with simple and efficient neighbourhood search strategies. International Journal of Innovative Computing and Applications, 2011, 3, 97.	0.2	29
87	Sequential DE enhanced by neighborhood search for Large Scale Global Optimization. , 2010, , .		23
88	Differential Evolution enhanced by neighborhood search. , 2010, , .		8
89	Diversity Analysis of Opposition-Based Differential Evolution—An Experimental Study. Lecture Notes in Computer Science, 2010, , 95-102.	1.3	7
90	Hybrid Differential Evolution Algorithm with Chaos and Generalized Opposition-Based Learning. Lecture Notes in Computer Science, 2010, , 103-111.	1.3	13

#	ARTICLE	IF	CITATIONS
91	A Scalability Test for Accelerated DE Using Generalized Opposition-Based Learning. , 2009, , .		28
92	A New Population Initialization Method Based on Space Transformation Search. , 2009, , .		18
93	Space transformation search. , 2009, , .		75
94	An improved Particle Swarm Optimization with adaptive jumps. , 2008, , .		7
95	Opposition-based particle swarm algorithm with cauchy mutation. , 2007, , .		108
96	A Hybrid Particle Swarm Algorithm with Cauchy Mutation. , 2007, , .		110
97	Formalizing rough sets using a new noncontingency axiomatic system. International Journal of Intelligent Systems, 0, , .	5.7	0