

# Shouyong Jiang

## 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.

28  
papers

770  
citations

11  
h-index

27  
g-index

36  
ext. papers

1,029  
ext. citations

7.1  
avg, IF

5.22  
L-index

#	Paper	IF	Citations
28	An autoencoder wavelet based deep neural network with attention mechanism for multi-step prediction of plant growth. <i>Information Sciences</i> , <b>2021</b> , 560, 35-50	7.7	11
27	On Analysis of Irregular Pareto Front Shapes. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 15-25	0.9	0
26	Neural modeling of antisaccade performance of healthy controls and early Huntington's disease patients. <i>Chaos</i> , <b>2021</b> , 31, 013121	3.3	0
25	Deep Learning Based Prediction on Greenhouse Crop Yield Combined TCN and RNN. <i>Sensors</i> , <b>2021</b> , 21,	3.8	8
24	Solving dynamic multi-objective problems with a new prediction-based optimization algorithm. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254839	3.7	0
23	Dynamic multi-objective optimization algorithm based decomposition and preference. <i>Information Sciences</i> , <b>2021</b> , 571, 175-190	7.7	2
22	Studies of evolutionary algorithms for the reduced Tomgro model calibration for modelling tomato yields. <i>Smart Agricultural Technology</i> , <b>2021</b> , 1, 100011		
21	NIHBA: a network interdiction approach for metabolic engineering design. <i>Bioinformatics</i> , <b>2020</b> , 36, 3482-3492	5	5
20	An improved multiobjective optimization evolutionary algorithm based on decomposition with hybrid penalty scheme <b>2020</b> ,		1
19	Triangular Gaussian mutation to differential evolution. <i>Soft Computing</i> , <b>2020</b> , 24, 9307-9320	3.5	2
18	AREA: An adaptive reference-set based evolutionary algorithm for multiobjective optimisation. <i>Information Sciences</i> , <b>2020</b> , 515, 365-387	7.7	6
17	A Scalable Test Suite for Continuous Dynamic Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 2814-2826	10.2	14
16	Novel Prediction Strategies for Dynamic Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 260-274	15.6	24
15	Evolutionary dynamic constrained optimization: Test suite construction and algorithm comparisons. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 50, 100559	9.8	11
14	Scalarizing Functions in Decomposition-Based Multiobjective Evolutionary Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 296-313	15.6	48
13	Strain Design as Multiobjective Network Interdiction Problem: A Preliminary Approach. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 273-282	0.9	1
12	Less detectable environmental changes in dynamic multiobjective optimisation <b>2018</b> ,		3

11	An Empirical Study of Dynamic Triobjective Optimisation Problems <b>2018</b> ,		3
10	Improving the multiobjective evolutionary algorithm based on decomposition with new penalty schemes. <i>Soft Computing</i> , <b>2017</b> , 21, 4677-4691	3.5	38
9	Evolutionary Dynamic Multiobjective Optimization: Benchmarks and Algorithm Comparisons. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 198-211	10.2	90
8	A Strength Pareto Evolutionary Algorithm Based on Reference Direction for Multiobjective and Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2017</b> , 21, 329-346	15.6	196
7	A Steady-State and Generational Evolutionary Algorithm for Dynamic Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2017</b> , 21, 65-82	15.6	124
6	Convergence Versus Diversity in Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 984-993	0.9	12
5	An Improved Multiobjective Optimization Evolutionary Algorithm Based on Decomposition for Complex Pareto Fronts. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 421-37	10.2	140
4	An adaptive penalty-based boundary intersection approach for multiobjective evolutionary algorithm based on decomposition <b>2016</b> ,		3
3	A benchmark generator for dynamic multi-objective optimization problems <b>2014</b> ,		6
2	An improved quantum-behaved particle swarm optimization algorithm based on linear interpolation <b>2014</b> ,		6
1	A framework of scalable dynamic test problems for dynamic multi-objective optimization <b>2014</b> ,		15