Shouyong Jiang

List of Publications by Citations

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	A Strength Pareto Evolutionary Algorithm Based on Reference Direction for Multiobjective and Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2017**, 21, 329-346	15.6	196
27	An Improved Multiobjective Optimization Evolutionary Algorithm Based on Decomposition for Complex Pareto Fronts. *IEEE Transactions on Cybernetics*, **2016**, 46, 421-37	10.2	140
26	A Steady-State and Generational Evolutionary Algorithm for Dynamic Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2017**, 21, 65-82	15.6	124
25	Evolutionary Dynamic Multiobjective Optimization: Benchmarks and Algorithm Comparisons. *IEEE Transactions on Cybernetics*, **2017**, 47, 198-211	10.2	90
24	Scalarizing Functions in Decomposition-Based Multiobjective Evolutionary Algorithms. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 296-313	15.6	48
23	Improving the multiobjective evolutionary algorithm based on decomposition with new penalty schemes. *Soft Computing*, **2017**, 21, 4677-4691	3.5	38
22	Novel Prediction Strategies for Dynamic Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2020**, 24, 260-274	15.6	24
21	A framework of scalable dynamic test problems for dynamic multi-objective optimization **2014**,		15
20	A Scalable Test Suite for Continuous Dynamic Multiobjective Optimization. *IEEE Transactions on Cybernetics*, **2020**, 50, 2814-2826	10.2	14
19	Convergence Versus Diversity in Multiobjective Optimization. *Lecture Notes in Computer Science*, **2016**, 984-993	0.9	12
18	Evolutionary dynamic constrained optimization: Test suite construction and algorithm comparisons. *Swarm and Evolutionary Computation*, **2019**, 50, 100559	9.8	11
17	An autoencoder wavelet based deep neural network with attention mechanism for multi-step prediction of plant growth. *Information Sciences*, **2021**, 560, 35-50	7.7	11
16	Deep Learning Based Prediction on Greenhouse Crop Yield Combined TCN and RNN. *Sensors*, **2021**, 21,	3.8	8
15	A benchmark generator for dynamic multi-objective optimization problems **2014**,		6
14	An improved quantum-behaved particle swarm optimization algorithm based on linear interpolation **2014**,		6
13	AREA: An adaptive reference-set based evolutionary algorithm for multiobjective optimisation. *Information Sciences*, **2020**, 515, 365-387	7.7	6
12	NIHBA: a network interdiction approach for metabolic engineering design. *Bioinformatics*, **2020**, 36, 3482-3492	7.3	5

LIST OF PUBLICATIONS

11	An adaptive penalty-based boundary intersection approach for multiobjective evolutionary algorithm based on decomposition **2016**,		3
10	Less detectable environmental changes in dynamic multiobjective optimisation **2018**,		3
9	An Empirical Study of Dynamic Triobjective Optimisation Problems **2018**,		3
8	Triangular Gaussian mutation to differential evolution. *Soft Computing*, **2020**, 24, 9307-9320	3.5	2
7	Dynamic multi-objective optimization algorithm based decomposition and preference. *Information Sciences*, **2021**, 571, 175-190	7.7	2
6	An improved multiobjective optimization evolutionary algorithm based on decomposition with hybrid penalty scheme **2020**,		1
5	Strain Design as Multiobjective Network Interdiction Problem: A Preliminary Approach. *Lecture Notes in Computer Science*, **2018**, 273-282	0.9	1
4	On Analysis of Irregular Pareto Front Shapes. *Lecture Notes in Computer Science*, **2021**, 15-25	0.9	0
3	Neural modeling of antisaccade performance of healthy controls and early Huntington's disease patients. *Chaos*, **2021**, 31, 013121	3.3	0
2	Solving dynamic multi-objective problems with a new prediction-based optimization algorithm. *PLoS ONE*, **2021**, 16, e0254839	3.7	0
1	Studies of evolutionary algorithms for the reduced Tomgro model calibration for modelling tomato yields. *Smart Agricultural Technology*, **2021**, 1, 100011		