Zhenyu Meng

List of Publications by Year
in descending order

38 papers	1,207 citations	516215 16 h-index	476904 29 g-index
38 all docs	38 docs citations	38 times ranked	425 citing authors

#	Article	IF	Citations
1	An Operation with Crossover and Mutation of MPSO Algorithm. Smart Innovation, Systems and Technologies, 2022, , 265-273.	0.5	0
2	PSO-sono: A novel PSO variant for single-objective numerical optimization. Information Sciences, 2022, 586, 176-191.	4.0	39
3	Two-stage differential evolution with novel parameter control. Information Sciences, 2022, 596, 321-342.	4.0	42
4	Improving the Performance ofÂQUATRE-EAR Using Linear Population Size Reduction. Smart Innovation, Systems and Technologies, 2021, , 1-8.	0.5	0
5	Hip-DE: Historical population based mutation strategy in differential evolution with parameter adaptive mechanism. Information Sciences, 2021, 562, 44-77.	4.0	45
6	CS-DE: Cooperative Strategy based Differential Evolution with population diversity enhancement. Information Sciences, 2021, 577, 663-696.	4.0	40
7	Differential evolution utilizing a handful top superior individuals with bionic bi-population structure for the enhancement of optimization performance. Enterprise Information Systems, 2020, 14, 221-242.	3.3	15
8	A parameter adaptive differential evolution based on depth information. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5661-5671.	0.8	2
9	PaDE-NPC: Parameter Adaptive Differential Evolution With Novel Parameter Control for Single-Objective Optimization. IEEE Access, 2020, 8, 139460-139478.	2.6	10
10	Internal search of the evolution matrix in QUasi-Affine TRansformation Evolution (QUATRE) algorithm. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5673-5684.	0.8	10
11	A parameter adaptive DE algorithm on real-parameter optimization. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5775-5786.	0.8	6
12	Di-DE: Depth Information-Based Differential Evolution With Adaptive Parameter Control for Numerical Optimization. IEEE Access, 2020, 8, 40809-40827.	2.6	29
13	Enhancing Differential Evolution With Novel Parameter Control. IEEE Access, 2020, 8, 51145-51167.	2.6	20
14	Enhancing QUasi-Affine TRansformation Evolution (QUATRE) with adaptation scheme on numerical optimization. Knowledge-Based Systems, 2020, 197, 105908.	4.0	28
15	External Hierarchical Archive Based Differential Evolution. Advances in Intelligent Systems and Computing, 2019, , 75-81.	0.5	1
16	HARD-DE: Hierarchical ARchive Based Mutation Strategy With Depth Information of Evolution for the Enhancement of Differential Evolution on Numerical Optimization. IEEE Access, 2019, 7, 12832-12854.	2.6	79
17	CS-DE: Differential Evolution with Cooperative Strategy for numerical optimization. , 2019, , .		2
18	The QUATRE structure: An efficient approach to tackling the structure bias in Differential Evolution. , 2019, , .		5

#	Article	IF	Citations
19	A novel Differential Evolution approach to scheduling the freight trains in intervals of passenger trains. , 2019, , .		3
20	PaDE: An enhanced Differential Evolution algorithm with novel control parameter adaptation schemes for numerical optimization. Knowledge-Based Systems, 2019, 168, 80-99.	4.0	187
21	An Improved Linear Population Size Reduction Based Parameters with Adaptive Learning Mechanism Differential Evolution (iLPALMDE) for Real-Parameter Single Objective Black Box Optimization. Smart Innovation, Systems and Technologies, 2019, , 477-484.	0.5	1
22	Parameters with Adaptive Learning Mechanism (PALM) for the enhancement of Differential Evolution. Knowledge-Based Systems, 2018, 141, 92-112.	4.0	97
23	QUasi-Affine TRansformation Evolution with External ARchive (QUATRE-EAR): An enhanced structure for Differential Evolution. Knowledge-Based Systems, 2018, 155, 35-53.	4.0	81
24	QUATRE Algorithm with Sort Strategy forÂGlobal Optimization in Comparison withÂDEÂand PSO Variants. Advances in Intelligent Systems and Computing, 2018, , 314-323.	0.5	9
25	The QUasi-Affine TRansformation Evolution (QUATRE) Algorithm: An Overview. Advances in Intelligent Systems and Computing, 2018, , 324-333.	0.5	5
26	Transfer Knowledge Based Evolution of an External Population for Differential Evolution. Smart Innovation, Systems and Technologies, 2018, , 222-229.	0.5	2
27	Optimal Economic Dispatch of Fuel Cost Based on Intelligent Monkey King Evolutionary Algorithm. Smart Innovation, Systems and Technologies, 2018, , 236-243.	0.5	1
28	Monkey King Evolution: an enhanced ebb-tide-fish algorithm for global optimization and its application in vehicle navigation under wireless sensor network environment. Telecommunication Systems, 2017, 65, 351-364.	1.6	41
29	A Matrix-Based Implementation of DE Algorithm: The Compensation and Deficiency. Lecture Notes in Computer Science, 2017, , 72-81.	1.0	16
30	A Competitive QUasi-Affine TRansformation Evolutionary (C-QUATRE) Algorithm for global optimization. , 2016, , .		21
31	QUasi-affine TRansformation Evolutionary (QUATRE) algorithm: The framework analysis for global optimization and application in hand gesture segmentation. , 2016, , .		13
32	QUasi-affine TRansformation Evolutionary (QUATRE) algorithm: A parameter-reduced differential evolution algorithm for optimization problems. , 2016, , .		29
33	QUasi-Affine TRansformation Evolutionary (QUATRE) algorithm: A cooperative swarm based algorithm for global optimization. Knowledge-Based Systems, 2016, 109, 104-121.	4.0	138
34	Monkey King Evolution: A new memetic evolutionary algorithm and its application in vehicle fuel consumption optimization. Knowledge-Based Systems, 2016, 97, 144-157.	4.0	126
35	A new meta-heuristic ebb-tide-fish-inspired algorithm for traffic navigation. Telecommunication Systems, 2016, 62, 403-415.	1.6	26
36	QUasi-Affine TRansformation Evolution (QUATRE) Algorithm: A New Simple and Accurate Structure for Global Optimization. Lecture Notes in Computer Science, 2016, , 657-667.	1.0	23

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37	A Simple and Accurate Global Optimizer for Continuous Spaces Optimization. Advances in Intelligent Systems and Computing, 2015, , 121-129.	0.5	14
38	Corner Detection Based on Normal Vector of Boundary Fitting Line. , 2010, , .		1