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Differential evolution with ranking-based mutation operator

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388	Adaptive Memetic Differential Evolution with Global and Local neighborhood-based mutation operators. <i>Information Sciences</i> , <b>2013</b> , 241, 164-194	7.7	80
387	Differential Evolution with Mutation Operators Based on Truncation. <b>2013</b> ,		
386	A Global Multilevel Thresholding Using Differential Evolution Approach. <b>2014</b> , 2014, 1-23		11
385	. <b>2014</b> ,		
384	Differential evolution using mutation strategy with adaptive greediness degree control. <b>2014</b> ,		6
383	A cluster-based differential evolution with self-adaptive strategy for multimodal optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 1314-27	10.2	111
382	Enhancing differential evolution with role assignment scheme. <b>2014</b> , 18, 2209-2225		20
381	Differential evolution enhanced with multiobjective sorting-based mutation operators. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 2792-805	10.2	97
380	Parameter identification of an SOFC model with an efficient, adaptive differential evolution algorithm. <b>2014</b> , 39, 5083-5096		39
379	Differential evolution with two-level parameter adaptation. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 1080-99	10.2	188
378	Multi-objective differential evolution with ranking-based mutation operator and its application in chemical process optimization. <b>2014</b> , 136, 85-96		66

377	Improving differential evolution with impulsive control framework. <b>2015,</b>		2
376	Enhancing artificial bee colony algorithm with generalised opposition-based learning. <b>2015, 6, 297</b>		13
375	A Hybrid Backtracking Search Optimization Algorithm with Differential Evolution. <b>2015, 2015, 1-16</b>		18
374	Cuckoo Search Algorithm with Chaotic Maps. <b>2015, 2015, 1-14</b>		15
373	Parameter extraction of different fuel cell models with transferred adaptive differential evolution. <b>2015, 86, 139-151</b>		45
372	Differential evolution with hybrid linkage crossover. <i>Information Sciences</i> , <b>2015, 320, 244-287</b>	7.7	46
371	Multi-population differential evolution with balanced ensemble of mutation strategies for large-scale global optimization. <i>Applied Soft Computing Journal</i> , <b>2015, 33, 304-327</b>	7.5	99
370	Targeted Mutation: A Novel Mutation Strategy for Differential Evolution. <b>2015,</b>		4
369	Enhance Differential Evolution Algorithm Based on Novel Mutation Strategy and Parameter Control Method. <b>2015, 634-643</b>		1
368	Improving Differential Evolution With a Successful-Parent-Selecting Framework. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2015, 19, 717-730</b>	15.6	114
367	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2015, 19, 746-758</b>	15.6	84
366	Self-adaptive multi-objective teaching-learning-based optimization and its application in ethylene cracking furnace operation optimization. <b>2015, 146, 198-210</b>		31
365	Constrained differential evolution with multiobjective sorting mutation operators for constrained optimization. <i>Applied Soft Computing Journal</i> , <b>2015, 33, 207-222</b>	7.5	27
364	An Experimental Analysis of a New Interval-Based Mutation Operator. <b>2015, 14, 1550018</b>		3
363	Regarding the rankings of optimization heuristics based on artificially-constructed benchmark functions. <i>Information Sciences</i> , <b>2015, 297, 191-201</b>	7.7	30
362	Optimal VAR control for real power loss minimization using differential evolution algorithm. <b>2015, 66, 262-271</b>		17
361	Differential Evolution with an Evolution Path: A DEEP Evolutionary Algorithm. <i>IEEE Transactions on Cybernetics</i> , <b>2015, 45, 1798-810</b>	10.2	104
360	Self-adaptive differential evolution algorithm with discrete mutation control parameters. <i>Expert Systems With Applications</i> , <b>2015, 42, 1551-1572</b>	7.8	74

359	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2015</b> , 19, 560-574	15.6	183
358	Adaptive ranking mutation operator based differential evolution for constrained optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 716-27	10.2	125
357	Cuckoo Search Algorithm with Hybrid Factor Using Dimensional Distance. <b>2016</b> , 2016, 1-11		4
356	Dichotomous Binary Differential Evolution for Knapsack Problems. <b>2016</b> , 2016, 1-12		8
355	A Framework for Constrained Optimization Problems Based on a Modified Particle Swarm Optimization. <b>2016</b> , 2016, 1-19		3
354	Mobile robot navigation control using recurrent fuzzy cerebellar model articulation controller based on improved dynamic artificial bee colony. <b>2016</b> , 8, 168781401668123		5
353	Ensemble of Different Parameter Adaptation Techniques in Differential Evolution. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 73-79	0.3	1
352	Evolutionary computation in China: A literature survey. <b>2016</b> , 1, 334-354		10
351	A Hybrid Evolutionary Algorithm for Solving Function Optimization Problems. <b>2016</b> ,		2
350	A clustering-based differential evolution with random-based sampling and Gaussian sampling. <i>Neurocomputing</i> , <b>2016</b> , 205, 229-246	5.4	16
349	Solving chemical dynamic optimization problems with ranking-based differential evolution algorithms. <b>2016</b> , 24, 1600-1608		17
348	May the same numerical optimizer be used when searching either for the best or for the worst solution to a real-world problem?. <i>Information Sciences</i> , <b>2016</b> , 373, 124-148	7.7	2
347	Best Guided Backtracking Search Algorithm for Numerical Optimization Problems. <b>2016</b> , 414-425		1
346	An enhanced chiller FDD strategy based on the combination of the LSSVR-DE model and EWMA control charts. <b>2016</b> , 72, 81-96		22
345	A decremental stochastic fractal differential evolution for global numerical optimization. <i>Information Sciences</i> , <b>2016</b> , 372, 470-491	7.7	19
344	A novel hybrid differential evolution algorithm with modified CoDE and JADE. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 47, 577-599	7.5	46
343	Nearest neighbour cuckoo search algorithm with probabilistic mutation. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 49, 498-509	7.5	30
342	Utilizing cumulative population distribution information in differential evolution. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 48, 329-346	7.5	60

341	Dynamic Optimization of the Tandem Acetylene Hydrogenation Process. <b>2016</b> , 55, 11983-11995		4
340	A self-adaptive binary differential evolution algorithm for large scale binary optimization problems. <i>Information Sciences</i> , <b>2016</b> , 367-368, 487-511	7.7	34
339	. <b>2016</b> , 12, 911-923		28
338	Adaptive differential evolution algorithm with novel mutation strategies in multiple sub-populations. <b>2016</b> , 67, 155-173		134
337	Recent advances in differential evolution [An updated survey]. <i>Swarm and Evolutionary Computation</i> , <b>2016</b> , 27, 1-30	9.8	889
336	Differential evolution with guiding archive for global numerical optimization. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 43, 424-440	7.5	22
335	Parameter control and hybridization techniques in differential evolution: a survey. <i>Artificial Intelligence Review</i> , <b>2016</b> , 45, 447-470	9.7	30
334	A differential evolution algorithm with self-adaptive strategy and control parameters based on symmetric Latin hypercube design for unconstrained optimization problems. <b>2016</b> , 250, 30-45		56
333	Fast Micro-Differential Evolution for Topological Active Net Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 1411-23	10.2	20
332	Differential evolution with multi-population based ensemble of mutation strategies. <i>Information Sciences</i> , <b>2016</b> , 329, 329-345	7.7	306
331	Improving differential evolution with a new selection method of parents for mutation. <b>2016</b> , 10, 246-269		12
330	( $\mu$ )JADE: adaptive differential evolution with a small population. <b>2016</b> , 20, 4111-4120		19
329	Bagging based ensemble transfer learning. <b>2016</b> , 7, 29-36		10
328	Ensemble and Arithmetic Recombination-Based Speciation Differential Evolution for Multimodal Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 64-74	10.2	74
327	Differential Evolution With Event-Triggered Impulsive Control. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 244-257	10.2	80
326	Neighborhood guided differential evolution. <b>2017</b> , 21, 4769-4812		17
325	Self-adaptive differential evolution with global neighborhood search. <b>2017</b> , 21, 3759-3768		19
324	Review of Differential Evolution population size. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 32, 1-24	9.8	122

323	Multiple Exponential Recombination for Differential Evolution. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 995-1006	10.2	52
322	Prior knowledge guided differential evolution. <b>2017</b> , 21, 6841-6858		14
321	Novel fuzzy sliding controller for MRD suspensions subjected to uncertainty and disturbance. <b>2017</b> , 61, 65-76		16
320	Multi-search differential evolution algorithm. <i>Applied Intelligence</i> , <b>2017</b> , 47, 231-256	4.9	20
319	Differential evolution powered by collective information. <i>Information Sciences</i> , <b>2017</b> , 399, 13-29	7.7	59
318	Differential Evolution Based on Self-Adaptive Fitness Function for Automated Test Case Generation. <b>2017</b> , 12, 46-55		11
317	An Efficient Multiple Variants Coordination Framework for Differential Evolution. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2780-2793	10.2	21
316	Research on the parameter inversion problem of prestack seismic data based on improved differential evolution algorithm. <b>2017</b> , 20, 2881-2890		12
315	Nonlinear adaptive control based on fuzzy sliding mode technique and fuzzy-based compensator. <b>2017</b> , 70, 309-321		19
314	Neighborhood-adaptive differential evolution for global numerical optimization. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 59, 659-706	7.5	22
313	Abstract Convex Underestimation Assisted Multistage Differential Evolution. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2730-2741	10.2	31
312	Differential evolution with improved individual-based parameter setting and selection strategy. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 56, 286-297	7.5	33
311	Feature based problem hardness understanding for requirements engineering. <b>2017</b> , 60, 1		4
310	Rr-cr-IJADE: An efficient differential evolution algorithm for multilevel image thresholding. <i>Expert Systems With Applications</i> , <b>2017</b> , 90, 272-289	7.8	19
309	An efficient method for multilevel color image thresholding using cuckoo search algorithm based on minimum cross entropy. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 61, 570-592	7.5	64
308	Designing optimal fuzzy-compensator-enhanced sliding controller for train-car semi-active suspensions. <b>2017</b> ,		
307	A ranking-based adaptive artificial bee colony algorithm for global numerical optimization. <i>Information Sciences</i> , <b>2017</b> , 417, 169-185	7.7	65
306	Optimized Analysis Based on Improved Mutation and Crossover Operator for Differential Evolution Algorithm. <b>2017</b> , 1-16		1

305	A unified differential evolution algorithm for constrained optimization problems. <b>2017,</b>		34
304	Are modern metaheuristics successful in calibrating simple conceptual rainfall-runoff models?. <b>2017, 62, 606-625</b>		16
303	A novel mutation operator based on the union of fitness and design spaces information for Differential Evolution. <b>2017, 21, 6555-6562</b>		7
302	An Improved Particle Swarm Optimization Algorithm for Global Multidimensional Optimization. <b>2017, 29, 127-142</b>		4
301	Generalized differential evolution. <b>2017,</b>		
300	A context sensitive multilevel thresholding using swarm based algorithms. <b>2017, 1-16</b>		10
299	Influence of control parameters adaptation on spread of positive genomes within populations of selected differential evolution algorithms. <b>2017,</b>		
298	Extending unified differential evolution with a new ensemble of constraint handling techniques. <b>2017,</b>		1
297	A ranking-based space search algorithm with control parameters. <b>2017,</b>		
296	A New Fuzzy Sliding Mode Controller with a Disturbance Estimator for Robust Vibration Control of a Semi-Active Vehicle Suspension System. <b>2017, 7, 1053</b>		14
295	A Robust Vibration Control of a Magnetorheological Damper Based Railway Suspension Using a Novel Adaptive Type 2 Fuzzy Sliding Mode Controller. <b>2017, 2017, 1-14</b>		3
294	A hybrid optimisation algorithm based on butterfly optimisation algorithm and differential evolution. <b>2017, 3, 152</b>		8
293	Engineering design optimization using an improved local search based epsilon differential evolution algorithm. <i>Journal of Intelligent Manufacturing</i> , <b>2018, 29, 1559-1580</b>	6.7	20
292	Navigation control of mobile robot using interval type-2 neural fuzzy controller optimized by dynamic group differential evolution. <b>2018, 10, 168781401775248</b>		3
291	A multi-objective multicast routing optimization based on differential evolution in MANET. <b>2018, 11, 121-140</b>		5
290	An improved multi-population ensemble differential evolution. <i>Neurocomputing</i> , <b>2018, 290, 130-147</b>	5.4	30
289	Wall-following and Navigation Control of Mobile Robot Using Reinforcement Learning Based on Dynamic Group Artificial Bee Colony. <b>2018, 92, 343-357</b>		8
288	A new fuzzy-disturbance observer-enhanced sliding controller for vibration control of a train-car suspension with magneto-rheological dampers. <b>2018, 105, 447-466</b>		37

287	Step-by-step improvement of JADE and SHADE-based algorithms: Success or failure?. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 43, 88-108	9.8	43
286	Establishing ANFIS and the use for predicting sliding control of active railway suspension systems subjected to uncertainties and disturbances. <b>2018</b> , 9, 853-865		15
285	Social learning differential evolution. <i>Information Sciences</i> , <b>2018</b> , 433-434, 464-509	7.7	23
284	A novel differential evolution algorithm with a self-adaptation parameter control method by differential evolution. <b>2018</b> , 22, 6171-6190		12
283	Enhancing differential evolution with random neighbors based strategy. <i>Journal of Computational Science</i> , <b>2018</b> , 26, 501-511	3.4	33
282	Sequential quadratic programming enhanced backtracking search algorithm. <b>2018</b> , 12, 316-330		6
281	Ensemble of differential evolution variants. <i>Information Sciences</i> , <b>2018</b> , 423, 172-186	7.7	207
280	Auto-selection mechanism of differential evolution algorithm variants and its application. <b>2018</b> , 270, 636-653		24
279	Enhancing differential evolution with interactive information. <b>2018</b> , 22, 7919-7938		7
278	A Diversity-Enhanced Resource Allocation Strategy for Decomposition-Based Multiobjective Evolutionary Algorithm. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2388-2401	10.2	25
277	Adaptive multiple-elites-guided composite differential evolution algorithm with a shift mechanism. <i>Information Sciences</i> , <b>2018</b> , 422, 122-143	7.7	56
276	A new hybrid differential evolution algorithm with self-adaptation for function optimization. <i>Applied Intelligence</i> , <b>2018</b> , 48, 1657-1671	4.9	19
275	Differential Evolution Improved with Intelligent Mutation Operator Based on Proximity and Ranking. <b>2018</b> ,		
274	Novel Methodology for Designing Antenna Arrays with Reduced Number of Elements Based on Differential Evolution with Ranking-Based Mutation Operators. <b>2018</b> ,		
273	Table of contents. <b>2018</b> ,		
272	Enhanced chicken swarm optimisation for function optimisation problem. <b>2018</b> , 15, 258		2
271	Grey Wolf Optimizer with Ranking-Based Mutation Operator for IIR Model Identification. <b>2018</b> , 27, 1071-1079		11
270	Parameter extraction of solar photovoltaic models by means of a hybrid differential evolution with whale optimization algorithm. <b>2018</b> , 176, 742-761		104



269	LSHADE Algorithm with Rank-Based Selective Pressure Strategy for Solving CEC 2017 Benchmark Problems. <b>2018,</b>			29
268	Selection Based on Colony Fitness for Differential Evolution. <i>IEEE Access</i> , <b>2018</b> , 6, 78333-78341	3.5		1
267	Intelligent selection of parents for mutation in differential evolution. <b>2018</b> , 17, 133			1
266	Cooperative co-evolution with improved differential grouping method for large-scale global optimisation. <b>2018</b> , 12, 214			7
265	A novel similarity-based mutant vector generation strategy for differential evolution. <b>2018,</b>			1
264	A Hybrid Differential Evolution Algorithm for Real World Problems. <b>2018,</b>			0
263	Development and experimental evaluation of a vision system for detecting defects of stator windings in induction motor assembly lines. <b>2018,</b>			1
262	iCAST 2018 Committee. <b>2018,</b>			
261	Hybrid Solar And Wind Powered Electric Vehicle Using Sepic Converter. <b>2018,</b>			
260	IEEE Computer Society. <b>2018</b> , 33, C3-C3			
259	Preface. <b>2018,</b>			
258	A fuzzy-based dynamic inversion controller with application to vibration control of vehicle suspension system subjected to uncertainties. <b>2018</b> , 232, 1103-1119			6
257	Automated Test Case Generation Based on Differential Evolution With Relationship Matrix for iFogSim Toolkit. <b>2018</b> , 14, 5005-5016			15
256	Differential Evolution Algorithm With Tracking Mechanism and Backtracking Mechanism. <i>IEEE Access</i> , <b>2018</b> , 6, 44252-44267	3.5		11
255	A random perturbation modified differential evolution algorithm for unconstrained optimization problems. <b>2019</b> , 23, 6307-6321			3
254	Differential Evolution: A survey of theoretical analyses. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 44, 546-558	9.8		132
253	Historical and Heuristic-Based Adaptive Differential Evolution. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 2623-2635	7.3		40
252	Algorithm for Estimating Online Bearing Fault Upon the Ability to Extract Meaningful Information From Big Data of Intelligent Structures. <b>2019</b> , 66, 3804-3813			10

251	Differential evolution with dynamic neighbourhood learning strategy-based mutation operators. <b>2019</b> , 19, 140		1
250	Restart based Collective Information Powered Differential Evolution for Solving the 100-Digit Challenge on Single Objective Numerical Optimization. <b>2019</b> ,		3
249	Fittest Individual Referenced Differential Evolution Algorithms for Optimization of Water Distribution Networks. <b>2019</b> , 33, 04019036		9
248	Selective pressure in constrained differential evolution. <b>2019</b> ,		0
247	Differential evolution using cooperative ranking-based mutation operators for constrained optimization. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 49, 206-219	9.8	12
246	Adaptive k-tournament mutation scheme for differential evolution. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 85, 105776	7.5	3
245	Hybridizing Dragonfly Algorithm with Differential Evolution for Global Optimization. <b>2019</b> , E102.D, 1891-1901		5
244	Neighbor-Induction and Population-Dispersion in Differential Evolution Algorithm. <i>IEEE Access</i> , <b>2019</b> , 7, 146358-146378	3.5	4
243	Underestimation-Assisted Global-Local Cooperative Differential Evolution and the Application to Protein Structure Prediction. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 536-550	15.6	12
242	Pareto Self-Paced Learning Based on Differential Evolution. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 4187-4200	10.2	4
241	Differential Evolution With Adaptive Guiding Mechanism Based on Heuristic Rules. <i>IEEE Access</i> , <b>2019</b> , 7, 58023-58040	3.5	5
240	Cooperative Carrying Control for Multi-Evolutionary Mobile Robots in Unknown Environments. <b>2019</b> , 8, 298		6
239	Arabic Sentiment Classification Using Convolutional Neural Network and Differential Evolution Algorithm. <i>Computational Intelligence and Neuroscience</i> , <b>2019</b> , 2019, 2537689	3	30
238	A Neighborhood-Assisted Framework for Differential Evolution. <i>IEEE Access</i> , <b>2019</b> , 7, 44338-44358	3.5	2
237	A General Selection Method for Mutation Strategy in Differential Evolution. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 152-161	0.3	
236	Differential evolution with k-nearest-neighbour-based mutation operator. <b>2019</b> , 19, 538		
235	Blank page. <b>2019</b> , 10, C4-C4		
234	ICAML 2019 Preface. <b>2019</b> ,		

233	Intelligent Design of Hydraulic Manifold Block Based on Genetic Algorithm. <b>2019,</b>	
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221	. <b>2019,</b>	0
220	Sensor as a Solution: Recent Progress in Intelligent Sensors Development. <b>2019,</b>	
219	IEEE Control Systems Society. <b>2019,</b> 64, C3-C3	
218	Power Spectral Density Estimation Using Statistical Smoothing of the Linear Difference Model Parameters of the Random Time Series. <b>2019,</b>	
217	Optically probing picometer-resolved photo-dynamics of solid surfaces. <b>2019,</b> 2019, 12-16	
216	9 March 2016 Solar Eclipse Effects F2 Layer Peak Electron Density at Conjugate Points over Southeast Asia Region. <b>2019,</b>	0

215	Classification of Cervix types using Convolution Neural Network (CNN). <b>2019</b> ,	2
214	The Optimization of SVC Placement in Sulselbar Transmission System Using Inertia Weight Particle Swarm Optimization. <b>2019</b> ,	0
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209	Mapping and monitoring of soil salinization using remote sensing and regression techniques: a case study in the Bahariya depression, Western Desert, Egypt. <b>2019</b> ,	0
208	. <b>2019</b> , 8, 48-48	
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204	Robust Network Hardening Strategy for Enhancing Resilience of Integrated Electricity and Natural Gas Distribution Systems Against Natural Disasters. <b>2019</b> ,	1
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197	Solar Filament Detection using Mask R-CNN. <b>2019,</b>		0
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193	Optimal Placement and Sizing Distributed Generation (DG) Considering Energy Storage Using ABC-QP Algorithm. <b>2019,</b>		
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191	A Simple and Efficient IQ Data Compression Method Based on Latency, EVM, and Compression Ratio Analysis. <i>IEEE Access</i> , <b>2019</b> , 7, 117436-117447	3-5	3
190	Unstructured road detection via combining the model-based and feature-based methods. <b>2019</b> , 13, 1533-1544	5	
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186	Layer 2 Packet Authentication for IoT Sensor Networks. <b>2019,</b>		
185	Compact Wideband MIMO Antenna System for 5G Metal Frame Mobile Phones. <b>2019,</b>		1
184	An 8-12GHz Class-F3 VCO with Multi-LC Tank in 28nm CMOS. <b>2019,</b>		0
183	Advanced Software Technologies in the Ship Energy System Industry. <b>2019,</b>		
182	ERBFNN Based Electricity Load and Price Forecasting. <b>2019,</b>		
181	Intelligent Battery Power Optimizer for IoT Devices. <b>2019,</b>		
180	Magnetic-Needle-Assisted Micromanipulation of Dynamically Self-Assembled Magnetic Droplets for Cargo Transportation. <b>2019,</b>		2

179	Stochastic Floyd-Steinberg dithering on GPU: image quality and processing time improved. <b>2019,</b>	0
178	Design and Development of Ultra-Thin Monopole Antenna for WLAN and WiMAX Operations in the Next-Generation Laptop Computer. <b>2019,</b>	1
177	Identifying Technology Evolution Pathways by Integrating Citation Network and Text Mining. <b>2019,</b>	1
176	A Main/Subsidiary Network Framework for Simplifying Binary Neural Networks. <b>2019,</b>	4
175	Genetic algorithms for high-order sliding-mode observers. <b>2019,</b>	
174	Enhanced Initialization with Multi-Stage Learning for Robust Visual Tracking. <b>2019,</b>	1
173	Generating Human Mobility Route Based on Generative Adversarial Network. <b>2019,</b>	3
172	. <b>2019,</b>	
171	Classification Models and Survival Analysis for Prostate Cancer Using RNA Sequencing and Clinical Data. <b>2019,</b>	
170	A Multi-Module Soft Robotic Arm with Soft End Effector for Minimally Invasive Surgery. <b>2019,</b>	0
169	Two-dimensional MUSIC Spectral Peak Search Algorithm Based on Improved Chicken Swarm Optimization. <b>2019,</b>	0
168	A Computational Approach of Recognizing Emotion from Bengali Texts. <b>2019,</b>	4
167	Extremum Seeking Control Maximum Power Point Tracking Applied to Solar PV Water Pumping System Using BLDC Motor. <b>2019,</b>	
166	Understanding Measurement Artifacts Causing Inherent Cation Gradients in Depth Profiles of Perovskite Photovoltaics with TOF-SIMS. <b>2019,</b>	1
165	Features of Radio Wave Propagation in a Multiscale Randomly Inhomogeneous Ionosphere. <b>2019,</b>	0
164	. <b>2019,</b>	28
163	Development of Smart Stick for Soil Erosion Monitoring. <b>2019,</b>	1
162	Leveraging Linear Programming for Deployment of Container-based Applications within Softwarized Networks in Fog Computing. <b>2019,</b>	

161	Design and Simulation of Thin Film Anti-Reflection Coating on Si-Based Photonic Devices. <b>2019</b> ,		
160	An advanced onlooker-ranking-based adaptive differential evolution to extract the parameters of solar cell models. <b>2019</b> , 134, 1129-1147		34
159	A differential evolution algorithm with dual preferred learning mutation. <i>Applied Intelligence</i> , <b>2019</b> , 49, 605-627	4.9	9
158	Selective Pressure Strategy in differential evolution: Exploitation improvement in solving global optimization problems. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 50, 100463	9.8	32
157	The contour fitting property of differential mutation. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 50, 100441	9.8	4
156	Multi-layer competitive-cooperative framework for performance enhancement of differential evolution. <i>Information Sciences</i> , <b>2019</b> , 482, 86-104	7.7	16
155	Association rule mining based parameter adaptive strategy for differential evolution algorithms. <i>Expert Systems With Applications</i> , <b>2019</b> , 123, 54-69	7.8	15
154	PaDE: An enhanced Differential Evolution algorithm with novel control parameter adaptation schemes for numerical optimization. <i>Knowledge-Based Systems</i> , <b>2019</b> , 168, 80-99	7.3	119
153	Novel mutation strategy for enhancing SHADE and LSHADE algorithms for global numerical optimization. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 50, 100455	9.8	95
152	Modeling beach realignment using a neuro-fuzzy network optimized by a novel backtracking search algorithm. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 1747-1763	4.8	12
151	Information exchange based clustered differential evolution for constrained generation-transmission expansion planning. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 44, 863-875	9.8	6
150	Analysis of causality-driven changes of diffusion speed in non-Markovian temporal networks generated on the basis of differential evolution dynamics. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 44, 212-227	9.8	1
149	Differential Evolution With Underestimation-Based Multimutation Strategy. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 1353-1364	10.2	30
148	Accelerating differential evolution based on a subset-to-subset survivor selection operator. <b>2019</b> , 23, 4113-4130		6
147	Differential evolution algorithm with strategy adaptation and knowledge-based control parameters. <i>Artificial Intelligence Review</i> , <b>2019</b> , 51, 219-253	9.7	19
146	DSM-DE: a differential evolution with dynamic speciation-based mutation for single-objective optimization. <b>2020</b> , 12, 73-86		10
145	Multiobjective Optimization of a Double-Side Linear Vernier PM Motor Using Response Surface Method and Differential Evolution. <b>2020</b> , 67, 80-90		50
144	An adaptive differential evolution with combined strategy for global numerical optimization. <b>2020</b> , 24, 6277-6296		58

143	Modified Whale Optimization Algorithm for Infinite Impulse Response System Identification. <b>2020</b> , 45, 2163-2176		7
142	A simple differential evolution with time-varying strategy for continuous optimization. <b>2020</b> , 24, 2727-2747		27
141	Enhancing differential evolution algorithm with repulsive behavior. <b>2020</b> , 24, 9279-9305		3
140	Triangular Gaussian mutation to differential evolution. <b>2020</b> , 24, 9307-9320		2
139	Self-adaptive collective intelligence-based mutation operator for differential evolution algorithms. <b>2020</b> , 76, 876-896		4
138	Differential evolution algorithm with elite archive and mutation strategies collaboration. <i>Artificial Intelligence Review</i> , <b>2020</b> , 53, 4005-4050	9.7	6
137	A collaborative LSHADE algorithm with comprehensive learning mechanism. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 96, 106609	7.5	10
136	Mathematical modeling framework of a PV model using novel differential evolution algorithm. <b>2020</b> , 211, 210-226		14
135	A constrained differential evolution algorithm to solve UAV path planning in disaster scenarios. <i>Knowledge-Based Systems</i> , <b>2020</b> , 204, 106209	7.3	50
134	Fractional-order sliding-mode controller for semi-active vehicle MRD suspensions. <b>2020</b> , 101, 795-821		10
133	Evolutionary Optimization Under Uncertainty: The Strategies to Handle Varied Constraints for Fluid Catalytic Cracking Operation. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	2
132	An adaptive dimension level adjustment framework for differential evolution. <i>Knowledge-Based Systems</i> , <b>2020</b> , 206, 106388	7.3	9
131	ANFIS: Establishing and Applying to Managing Online Damage. <b>2020</b> ,		0
130	A Novel Distributive Population-Based Differential Evolution Algorithm for SLM Scheme to Reduce PAPR in Massive MIMO-OFDM Systems. <b>2020</b> , 1, 1		0
129	Adaptive Differential Evolution Based on Successful Experience Information. <i>IEEE Access</i> , <b>2020</b> , 8, 164613-164636		36
128	Modified water wave optimization algorithm for underwater multilevel thresholding image segmentation. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 32415-32448	2.5	4
127	Multi-Objective Economic Scheduling of a Shipboard Microgrid Based on Self-Adaptive Collective Intelligence DE Algorithm. <i>IEEE Access</i> , <b>2020</b> , 8, 73204-73219	3.5	3
126	Design and Verification of an Interval Type-2 Fuzzy Neural Network Based on Improved Particle Swarm Optimization. <b>2020</b> , 10, 3041		6



125	A Collective Intelligence Based Differential Evolution Algorithm for Optimizing the Structure and Parameters of a Neural Network. <i>IEEE Access</i> , <b>2020</b> , 8, 69601-69614	3.5	5
124	Processing Online Massive Measuring Databases via Data-Uncertainty Quantifying Mechanism to Synthesize ANFIS. <b>2020</b> , 22, 1679-1693		2
123	Enhanced Crow Search Algorithm for Feature Selection. <i>Expert Systems With Applications</i> , <b>2020</b> , 159, 113572	7.8	28
122	Deep neural network-based Wi-Fi/pedestrian dead reckoning indoor positioning system using adaptive robust factor graph model. <b>2020</b> , 14, 36-47		5
121	Efficient Carrier Transport for AlGaIn-Based Deep-UV LEDs With Graded Superlattice p-AlGaIn. <b>2020</b> , 67, 1674-1679		7
120	Super-Sparse On-Off Division Multiple Access: Replacing Repetition With Idling. <b>2020</b> , 68, 2251-2263		5
119	Accurate Symmetrical Minor Loops Calculation With a Modified Energetic Hysteresis Model. <b>2020</b> , 56, 1-4		6
118	Recent Approach Based Social Spider Optimizer for Optimal Sizing of Hybrid PV/Wind/Battery/Diesel Integrated Microgrid in Aljouf Region. <i>IEEE Access</i> , <b>2020</b> , 8, 57630-57645	3.5	34
117	PACE: Physically-Assisted Channel Estimation. <b>2020</b> , 19, 3769-3781		0
116	Scalable and Accurate Modeling of the Millimeter Wave Channel. <b>2020</b> ,		3
115	Histogram of Oriented Gradients Feature Extraction From Raw Bayer Pattern Images. <b>2020</b> , 67, 946-950		23
114	Differential evolutionary algorithm with an evolutionary state estimation method and a two-level selection mechanism. <b>2020</b> , 24, 11561-11581		2
113	One-Shot Learning for Deformable Medical Image Registration and Periodic Motion Tracking. <b>2020</b> , 39, 2506-2517		32
112	Differential Evolution: A review of more than two decades of research. <b>2020</b> , 90, 103479		124
111	Accurate Measurement of Reciprocating Kinetic Friction Coefficient Through Automatic Detection of the Running-In. <b>2020</b> , 69, 2398-2407		2
110	Multi-objective differential evolution algorithm with fuzzy inference-based adaptive mutation factor for Pareto optimum design of suspension system. <i>Swarm and Evolutionary Computation</i> , <b>2020</b> , 54, 100666	9.8	12
109	Threshold-Function-Dependent Quasi-Synchronization of Delayed Memristive Neural Networks via Hybrid Event-Triggered Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-11	7.3	17
108	Interactive Natural Language-Based Person Search. <b>2020</b> , 5, 1851-1858		2

107	Self-organizing neighborhood-based differential evolution for global optimization. <i>Swarm and Evolutionary Computation</i> , <b>2020</b> , 56, 100699	9.8	8
106	MODEA Based on Multi-Population Strategy With Adaptive Weight and Its Application to Electromagnetic Device Optimization. <i>IEEE Access</i> , <b>2020</b> , 8, 72039-72046	3.5	3
105	Enhancing Differential Evolution With Novel Parameter Control. <i>IEEE Access</i> , <b>2020</b> , 8, 51145-51167	3.5	8
104	CU Core Column Enables Fine Pitch & High-Density 3D Packaging. <b>2020</b> ,		
103	Distributed Incremental Adaptive Filter Controlled Grid Interactive Residential Photovoltaic-Battery Based Microgrid for Rural Electrification. <b>2020</b> , 1-1		4
102	TI-PUF: Toward Side-Channel Resistant Physical Unclonable Functions. <b>2020</b> , 15, 3470-3481		10
101	Differential Evolution for Multimodal Optimization With Species by Nearest-Better Clustering. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 970-983	10.2	13
100	Enhancing firefly algorithm with courtship learning. <i>Information Sciences</i> , <b>2021</b> , 543, 18-42	7.7	25
99	Bio-inspired Neurocomputing. <i>Studies in Computational Intelligence</i> , <b>2021</b> ,	0.8	35
98	Graphic process units-based chicken swarm optimization algorithm for function optimization problems. <b>2021</b> , 33, e5953		0
97	Hyperspectral Endmember Extraction by (B-1) Multiobjective Differential Evolution Algorithm Based on Ranking Multiple Mutations. <b>2021</b> , 59, 2352-2364		4
96	A Fast and efficient stochastic opposition-based learning for differential evolution in numerical optimization. <i>Swarm and Evolutionary Computation</i> , <b>2021</b> , 60, 100768	9.8	12
95	Double-layer-clustering differential evolution multimodal optimization by speciation and self-adaptive strategies. <i>Information Sciences</i> , <b>2021</b> , 545, 465-486	7.7	24
94	Differential evolution algorithm with fitness and diversity ranking-based mutation operator. <i>Swarm and Evolutionary Computation</i> , <b>2021</b> , 61, 100816	9.8	16
93	A novel direct measure of exploration and exploitation based on attraction basins. <i>Expert Systems With Applications</i> , <b>2021</b> , 167, 114353	7.8	5
92	Nature-inspired approach: An enhanced whale optimization algorithm for global optimization. <i>Mathematics and Computers in Simulation</i> , <b>2021</b> , 185, 17-46	3.3	19
91	An innovative hybrid algorithm to solve nonconvex economic load dispatch problem with or without valve point effects. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31,	2.2	4
90	An innovative hybrid algorithm for bound-unconstrained optimization problems and applications. <i>Journal of Intelligent Manufacturing</i> , 1	6.7	1

89	Bearing Fault Online Identification Based on ANFIS. <i>International Journal of Control, Automation and Systems</i> , <b>2021</b> , 19, 1703-1714	2.9	5
88	Self-regulated differential evolution for real parameter optimization. <i>Applied Intelligence</i> , <b>2021</b> , 51, 5873-5897	4.5	1
87	Advanced switching DE algorithm based PTS companding technique for PAPR reduction in OFDM systems. <i>Telecommunication Systems</i> , <b>2021</b> , 77, 109-128	2.3	0
86	An adaptive regeneration framework based on search space adjustment for differential evolution. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 9503-9519	4.8	35
85	Revisiting Feature Ranking Methods using Information-Centric and Evolutionary Approaches: Survey. <i>International Journal of Sensors, Wireless Communications and Control</i> , <b>2021</b> , 11,	0.4	1
84	Design and applications of an advanced hybrid meta-heuristic algorithm for optimization problems. <i>Artificial Intelligence Review</i> , 1	9.7	4
83	State-of-the-Art Reviews of Meta-Heuristic Algorithms with Their Novel Proposal for Unconstrained Optimization and Applications. <i>Archives of Computational Methods in Engineering</i> , <b>2021</b> , 28, 4049-4115	7.8	2
82	An Enhancing Differential Evolution Algorithm with a Rank-Up Selection: RUSDE. <i>Mathematics</i> , <b>2021</b> , 9, 569	2.3	1
81	An improved LSHADE-RSP algorithm with the Cauchy perturbation: iLSHADE-RSP. <i>Knowledge-Based Systems</i> , <b>2021</b> , 215, 106628	7.3	4
80	Smart Collaborative Performance-Induced Parameter Identification Algorithms for Synchronous Reluctance Machine Magnetic Model. <i>Sustainability</i> , <b>2021</b> , 13, 4379	3.6	1
79	An enhanced differential evolution algorithm with a new oppositional-mutual learning strategy. <i>Neurocomputing</i> , <b>2021</b> , 435, 162-175	5.4	5
78	An integrated approach using IF-TOPSIS, fuzzy DEMATEL, and enhanced CSA optimized ANFIS for software risk prediction. <i>Knowledge and Information Systems</i> , <b>2021</b> , 63, 1909-1934	2.4	1
77	Automated test case generation based on differential evolution with node branch archive. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 156, 107290	6.4	3
76	A backtracking differential evolution with multi-mutation strategies autonomy and collaboration. <i>Applied Intelligence</i> , 1	4.9	0
75	Hip-DE: Historical population based mutation strategy in differential evolution with parameter adaptive mechanism. <i>Information Sciences</i> , <b>2021</b> , 562, 44-77	7.7	9
74	Quantifying the impact of boundary constraint handling methods on differential evolution. <b>2021</b> ,		1
73	A hybrid differential evolution and simulated annealing algorithm for global optimization. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2021</b> , 41, 1375-1391	1.6	1
72	African Buffalo Optimization Algorithm Based T-Way Test Suite Generation Strategy for Electronic-Payment Transactions. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 160-174	0.5	

71	Tool wear prediction using a hybrid of tool chip image and evolutionary fuzzy neural network. <i>International Journal of Advanced Manufacturing Technology</i> , 1	3.2	1
70	Differential evolution: A recent review based on state-of-the-art works. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> ,	6.1	17
69	Novel Design Framework for Dual-Band Frequency Selective Surfaces Using Multi-Variant Differential Evolution. <i>Mathematics</i> , <b>2021</b> , 9, 2381	2.3	0
68	An improved dynamic multi-objective optimization approach for nonlinear equation systems. <i>Information Sciences</i> , <b>2021</b> , 576, 204-227	7.7	1
67	A prescription of methodological guidelines for comparing bio-inspired optimization algorithms. <i>Swarm and Evolutionary Computation</i> , <b>2021</b> , 67, 100973	9.8	16
66	Differential Evolution Mutations: Taxonomy, Comparison and Convergence Analysis. <i>IEEE Access</i> , <b>2021</b> , 9, 68629-68662	3.5	7
65	Exponential Rank Differential Evolution Algorithm for Disaster Emergency Vehicle Path Planning. <i>IEEE Access</i> , <b>2021</b> , 9, 10880-10892	3.5	3
64	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-12	7.3	14
63	RDE - Reconstructed Mutation Strategy for Differential Evolution Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 76-85	0.4	1
62	Selective-candidate framework with similarity selection rule for evolutionary optimization. <i>Swarm and Evolutionary Computation</i> , <b>2020</b> , 56, 100696	9.8	4
61	Hybrid Stochastic Ranking for Constrained Optimization. <i>IEEE Access</i> , <b>2020</b> , 8, 227270-227287	3.5	2
60	A Novel Evolutionary Optimization Technique for Solving Optimal Reactive Power Dispatch Problems. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2016</b> , 244-275	0.3	3
59	Adaptive Differential Evolution With Information Entropy-Based Mutation Strategy. <i>IEEE Access</i> , <b>2021</b> , 9, 146783-146796	3.5	
58	An improved sine-cosine algorithm with dynamic selection pressure. <i>Journal of Computational Science</i> , <b>2021</b> , 55, 101477	3.4	
57	Directional Differential Evolution: Approaching to the Superior, Departing from the Inferior, or Both?. <i>Proceedings in Adaptation, Learning and Optimization</i> , <b>2015</b> , 255-265	0.2	
56	Event-Triggering Impulsive Differential Evolution. <b>2019</b> , 1-35		
55	Enhanced Differential Evolution Algorithm with Local Search Based on Hadamard Matrix. <i>Computational Intelligence and Neuroscience</i> , <b>2021</b> , 2021, 8930980	3	1
54	Multi-subpopulation Algorithm with Ensemble Mutation Strategies for Protein Structure Prediction. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 255-268	0.3	

53	Enhancing Differential Evolution on Continuous Optimization Problems by Detecting Promising Leaders. <i>IEEE Access</i> , <b>2020</b> , 8, 226557-226578	3.5	
52	An Intelligent PAPR Reduction Technique for OFDM Systems Based on Adaptive Mutation-Oriented Differential Evolution Algorithm. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 135-152	0.5	
51	The hDEBSA Global Optimization Method: A Comparative Study on CEC2014 Test Function and Application to Geotechnical Problem. <i>Studies in Computational Intelligence</i> , <b>2021</b> , 225-258	0.8	1
50	DE/EI - A New Differential Evolution Selection Operator Based on Entropy and Index for Feature Ranking. <i>International Journal of Information Retrieval Research</i> , <b>2020</b> , 10, 63-76	0.4	
49	Parameter Identification of Photovoltaic Models by Hybrid Adaptive JAYA Algorithm. <i>Mathematics</i> , <b>2022</b> , 10, 183	2.3	3
48	Strengthened Initialization of Adaptive Cross-Generation Differential Evolution. <i>CMES - Computer Modeling in Engineering and Sciences</i> , <b>2022</b> , 130, 1495-1516	1.7	
47	Solving dimension reduction problems for classification using Promoted Crow Search Algorithm (PCSA). <i>Computing (Vienna/New York)</i> , 1	2.2	0
46	Differential Evolution Algorithm with Hierarchical Fair Competition Model. <i>Intelligent Automation and Soft Computing</i> , <b>2022</b> , 33, 1045-1062	2.6	20
45	A Survey on Evolutionary Constrained Multi-objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2022</b> , 1-1	15.6	6
44	Self-adaptive DE algorithm without niching parameters for multi-modal optimization problems. <i>Applied Intelligence</i> , 1	4.9	0
43	Toward Low-Symmetry Systems: An Adaptive Differential Evolution Algorithm for Global Structure Searching.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 2986-2993	6.4	
42	Fitness based weighted flower pollination algorithm with mutation strategies for image enhancement. <i>Multimedia Tools and Applications</i> , 1	2.5	1
41	Searching for a Unique Exciton Model of Photosynthetic Pigment-Protein Complexes: Photosystem II Reaction Center Study by Differential Evolution. <i>Mathematics</i> , <b>2022</b> , 10, 959	2.3	0
40	A ranking-based fuzzy adaptive hybrid crow search algorithm for combined heat and power economic dispatch. <i>Expert Systems With Applications</i> , <b>2022</b> , 197, 116625	7.8	0
39	Solution of Mixed-Integer Optimization Problems in Bioinformatics with Differential Evolution Method. <i>Mathematics</i> , <b>2021</b> , 9, 3329	2.3	
38	Differential Evolution with Level-Based Learning Mechanism. <i>Complex System Modeling and Simulation</i> , <b>2022</b> , 2, 35-58		2
37	SD-TCSs Control Deriving from Fractional-order Sliding Mode and Fuzzy-compensator. <i>International Journal of Control, Automation and Systems</i> , <b>2022</b> , 20, 1745-1755	2.9	
36	Adaptive Differential Evolution Algorithm Based on Fitness Landscape Characteristic. <i>Mathematics</i> , <b>2022</b> , 10, 1511	2.3	0

35	Engineering Design Optimization Using Memorized Differential Evolution. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 419-428	0.4	
34	A ranking-based adaptive cuckoo search algorithm for unconstrained optimization. <i>Expert Systems With Applications</i> , <b>2022</b> , 117428	7.8	2
33	Improving the search accuracy of differential evolution by using the number of consecutive unsuccessful updates. <i>Knowledge-Based Systems</i> , <b>2022</b> , 109005	7.3	0
32	Novel optimized crow search algorithm for feature selection. <i>Expert Systems With Applications</i> , <b>2022</b> , 117486	7.8	1
31	A structure-characteristic-aware network embedding model via differential evolution. <i>Expert Systems With Applications</i> , <b>2022</b> , 204, 117611	7.8	1
30	Positional Identification Based Whale Optimization Algorithm for Dynamic Thermal Wind Economic Emission Dispatch Problem.		
29	Automatic binary and ternary change detection in SAR images based on evolutionary multiobjective optimization. <i>Applied Soft Computing Journal</i> , <b>2022</b> , 109200	7.5	1
28	An efficient differential evolution with fitness-based dynamic mutation strategy and control parameters. <i>Knowledge-Based Systems</i> , <b>2022</b> , 251, 109280	7.3	1
27	A Novel Enhanced Arithmetic Optimization Algorithm for Global Optimization. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
26	Constrained multi-objective differential evolution algorithm with ranking mutation operator. <i>Expert Systems With Applications</i> , <b>2022</b> , 118055	7.8	0
25	Scale-free Network-based Differential Evolution to Solve Function Optimization and Parameter Estimation of Photovoltaic Models. <i>Swarm and Evolutionary Computation</i> , <b>2022</b> , 101142	9.8	2
24	Two-level parameter cooperation-based population regeneration framework for differential evolution. <b>2022</b> , 75, 101122		0
23	Antenna Array Design Using Differential Evolution with Ranking-Based Mutation Operators. <b>2022</b> , 243-263		0
22	Event-Triggering Impulsive Differential Evolution. <b>2022</b> , 983-1017		0
21	Differential Evolution with an Unbounded Population. <b>2022</b> ,		0
20	Population reduction with individual similarity for differential evolution.		0
19	Bearing Fault Diagnosis Based on Measured Data Online Processing, Domain Fusion, and ANFIS. <b>2022</b> , 10, 157		0
18	Multitasking Optimization via an Adaptive Solver Multitasking Evolutionary Framework. <b>2022</b> ,		0

- 17 Multiple individual guided differential evolution with time varying and feedback information-based control parameters. **2023**, 259, 110091 ○
- 16 Differential Evolution and Its Applications in Image Processing Problems: A Comprehensive Review. ○
- 15 Abatement of Sewer Overflow Pollution Based on Distributed Optimal Control Approach. ○
- 14 A hybrid algorithm based on grey wolf optimizer and differential evolution for UAV path planning. **2023**, 215, 119327 1
- 13 Adaptive Differential Evolution Algorithm with Multiple Gaussian Learning Models. **2022**, 325-336 ○
- 12 Differential evolution with variable leader-adjoint populations. ○
- 11 Multiple Elite Individual Guided Piecewise Search-Based Differential Evolution. **2023**, 10, 135-158 ○
- 10 Swarm Intelligence Research: From Bio-inspired Single-population Swarm Intelligence to Human-machine Hybrid Swarm Intelligence. **2023**, 20, 121-144 ○
- 9 Evolutionary competitive multitasking optimization via improved adaptive differential evolution. **2023**, 217, 119550 ○
- 8 Combined forecasting tool for renewable energy management in sustainable supply chains. **2023**, 179, 109237 ○
- 7 Dimension improvements based adaptation of control parameters in Differential Evolution: A fitness-value-independent approach. **2023**, 223, 119848 ○
- 6 Ranking teaching-learning-based optimization algorithm to estimate the parameters of solar models. **2023**, 123, 106225 1
- 5 Robust mixed-model assembly line balancing and sequencing problem considering preventive maintenance scenarios with interval processing times. **2023**, 77, 101255 ○
- 4 Function value ranking aware differential evolution for global numerical optimization. **2023**, 78, 101282 ○
- 3 Investigating adaptive hedging policies for reservoir operation under climate change impacts. **2023**, 619, 129286 ○
- 2 Solving Optimal Power Flow Problem via Improved Constrained Adaptive Differential Evolution. **2023**, 11, 1250 ○
- 1 A machine learning method for HTLCF life prediction of titanium aluminum alloys with consideration of manufacturing processes. **2023**, 286, 109331 ○