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## An Overview of Evolutionary Algorithms for Parameter Optimization

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1474	Fuzzy Logik. <b>1994</b> ,		1
1473	Parallel optimization of evolutionary algorithms. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 418-427	0.9	13
1472	.		2
1471	Basic aspects of evolution strategies. <b>1994</b> , 4, 51		16
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1468	Combinations of simulation and Evolutionary Algorithms in management science and economics. <b>1994</b> , 52, 181-208		16
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1465	.		11
1464	Notes on the simulation of evolution. <b>1994</b> , 5, 130-47		43
1463	.		
1462	Evolutionäre Algorithmen in robustes Optimierkonzept. <b>1994</b> , 50, 236-238		2
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1456	Test driving three 1995 genetic algorithms: New test functions and geometric matching. <b>1995</b> , 1, 77-104		57
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1453	A comparison of methods for self-adaptation in evolutionary algorithms. <b>1995</b> , 36, 157-66		70
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1447	.		2
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1445	Analyzing the (1, $\lambda$ ) Evolution Strategy via Stochastic Approximation Methods. <i>Evolutionary Computation</i> , <b>1995</b> , 3, 473-489	4-3	14
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1440	Minimum classification error optimization of word recognizers using evolution strategies.		0
1439	Genetic algorithms and applications to finance. <b>1995</b> , 2, 89-116		8
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1437	A Comparison of Evolutionary Programming and Genetic Algorithms on Selected Constrained Optimization Problems. <b>1995</b> , 64, 397-404		76
1436	An introduction to evolutionary programming. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 21-33	0.9	9
1435	Heuristic crossovers for real-coded genetic algorithms based on fuzzy connectives. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 336-345	0.9	8
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1433	Evolution of an artificial neural network based autonomous land vehicle controller. <b>1996</b> , 26, 450-63		57

1432	GA for deceptive problems: inverting schemata by a statistical approach.	0
1431	Using fitness distributions to design more efficient evolutionary computations.	25
1430	A research agenda for iterative approaches to inverse problems using evolutionary computation.	3
1429	Selection, majorization and replicators.	1
1428	Automatic generation of fuzzy sensorimotor rules for mobile robotics.	
1427	Application of fuzzy, GA and hybrid methods to CNN template learning.	1
1426	Optimization of discrete event systems using evolutionary programming.	1
1425	Designing fuzzy logic controllers using a multiresolutional search paradigm. <b>1996</b> , 4, 213-226	21
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1422	Discriminative codebook design for critical word recognition using evolution strategies.	3
1421	Ancillary techniques for the practical implementation of GAs to the optimal design of electromagnetic devices. <b>1996</b> , 32, 1194-1197	17
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1419	Efficient Evolution Strategies for Exploration in mobile robotics. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 147-161	0.9 0
1418	Metaheuristics: A bibliography. <b>1996</b> , 63, 511-623	301
1417	A comparison of six deconvolution techniques. <b>1996</b> , 24, 283-99	50
1416	The applications of evolutionary computation in software reliability. <b>1996</b> , 1, 645-650	1
1415	Evaluating evolutionary algorithms. <b>1996</b> , 85, 245-276	261

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1403	Evolutionary strategies applied for an optimal management of electrical loads.	2
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1400	Design of discrete coefficient FIR filters using fast simulated evolutionary optimization.	0
1399	Modeling the Evolution of Motivation. <i>Evolutionary Computation</i> , <b>1996</b> , 4, 235-270	4.3 6
1398	Evolutionäres Suchkonzept zum Aufstellen signifikanter Fuzzy-Regeln. <b>1996</b> , 44, 405-412	2
1397	Raising theoretical questions about the utility of genetic algorithms. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 275-284	0.9 6

1396	Using evolutionary algorithms and simulation for the optimization of manufacturing systems. <b>1997</b> , 29, 181-189		53
1395	Using a genetic algorithm for communication link partitioning.		
1394	Minimal representation multisensor fusion using differential evolution.		7
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1392	An action control model of agents based on evaluation of group behaviors.		
1391	Empirical investigation of multiparent recombination operators in evolution strategies. <i>Evolutionary Computation</i> , <b>1997</b> , 5, 347-65	4.3	74
1390	Tuning genetic algorithms for underwater acoustics using a priori statistical information.		
1389	Fast evolution strategies. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 149-161	0.9	39
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1387	A note on the escape probabilities for two alternative methods of selection under Gaussian mutation. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 263-274	0.9	1
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1383	Scaling behavior of the evolution strategy when evolving neuronal control architectures for autonomous agents. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 47-57	0.9	3
1382	Configuration of Multiproduct Kanban Systems Using a Distributed Evolutionary Algorithm. <b>1997</b> , 30, 167-172		
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1379	Design optimization of a superferric octupole using various evolutionary and deterministic techniques. <b>1997</b> , 33, 1816-1821		5

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1377	Tracking extrema in dynamic environments. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 335-345	0.9	76
1376	A parallel genetic algorithm for performance-driven VLSI routing. <i>IEEE Transactions on Evolutionary Computation</i> , <b>1997</b> , 1, 29-39	15.6	40
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1373	The evolution of different neuronal control structures for autonomous agents. <b>1997</b> , 22, 199-213		6
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1371	Online learning via congregational gradient descent. <b>1997</b> , 10, 331-363		6
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1369	A cascaded genetic algorithm for improving fuzzy-system design. <b>1997</b> , 17, 351-368		14
1368	The ineffectiveness of recombination in a genetic algorithm for the structure elucidation of a heptapeptide in torsion angle space. A comparison to simulated annealing. <b>1997</b> , 36, 141-152		12
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1366	Multicriteria fuzzy control using evolutionary programming. <b>1997</b> , 103, 71-86		1
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1363	An Evolutionary Approach of Multicriteria Manufacturing Cell Formation. <b>1998</b> , 5, 13-25		16
1362	Dynamic and heuristic fuzzy connectives-based crossover operators for controlling the diversity and convergence of real-coded genetic algorithms. <b>1998</b> , 11, 1013-1040		13
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1360	Achieving robust behavior by using proprioceptive activity patterns. <b>1998</b> , 47, 193-206		1
1359	Evolutionary algorithms and gradient search: similarities and differences. <i>IEEE Transactions on Evolutionary Computation</i> , <b>1998</b> , 2, 45-55	15.6	172
1358	Optimization of bilinear time series models using fast evolutionary programming. <b>1998</b> , 5, 39-42		6
1357	Multiobjective optimization and multiple constraint handling with evolutionary algorithms. I. A unified formulation. <b>1998</b> , 28, 26-37		768
1356	Accelerating the convergence of evolutionary algorithms by fitness landscape approximation. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 87-96	0.9	74
1355	Establishing a rule base for a hybrid ES/XPS approach to load management. <b>1998</b> , 13, 86-93		22
1354	Evolutionary robotics: A survey of applications and problems. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 1-21	0.9	27
1353	Non-linear optimization of biochemical pathways: applications to metabolic engineering and parameter estimation. <b>1998</b> , 14, 869-83		547
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1350	Optimization of thinned phased arrays using evolutionary programming. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 157-166	0.9	5
1349	On natural life's tricks to survive and evolve.		1
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1347	Use of genetic algorithms for the vibroacoustic optimization of a plate carrying point-masses. <b>1998</b> , 104, 3385-3397		27
1346	CAEP: AN EVOLUTION-BASED TOOL FOR REAL-VALUED FUNCTION OPTIMIZATION USING CULTURAL ALGORITHMS. <b>1998</b> , 07, 239-291		68
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1343	Distance space evolutionary algorithms for protein folding prediction.		

1342	Generation of fuzzy models via evolutionary strategies.		1
1341	Automatic Modelling Function Generation Using Evolution Strategies.		
1340	Evolutionary Computation and Optimization. <b>1998</b> , 10, 593-601		
1339	Generating novel tactics through evolutionary computation. <b>1998</b> , 9, 8-14		0
1338	An experimental investigation of self-adaptation in evolutionary programming. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 291-300	0.9	16
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1336	Application of evolutionary algorithms to protein folding prediction. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 123-135	0.9	15
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1306	Evolving in a changing world. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 512-519	0.9	19
1305	A survey of robotic control systems constructed by using evolutionary computations.		2
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1291	Computational Intelligence. <i>Lecture Notes in Computer Science</i> , <b>1999</b> ,	0.9	1
1290	Evolutionary computation teaching at Birmingham.		1
1289	Minimal representation multisensor fusion using differential evolution. <b>1999</b> , 29, 63-76		134

1288	On generating FC(3) fuzzy rule systems from data using evolution strategies. <b>1999</b> , 29, 829-45	120
1287	Evolutionary programming made faster. <i>IEEE Transactions on Evolutionary Computation</i> , <b>1999</b> , 3, 82-102	15.6 2292
1286	Survival of the fittest genetic algorithms versus evolution strategies in the optimization of systems models. <b>1999</b> , 60, 113-122	20
1285	Performance of genetic algorithms and simulated annealing in the economic optimization of a herd dynamics model. <b>1999</b> , 25, 899-905	8
1284	. <b>1999</b> , 87, 1423-1447	1551
1283	The Factorized Distribution Algorithm for additively decomposed functions.	16
1282	An evolutionary programming solution to the unit commitment problem. <b>1999</b> , 14, 1452-1459	371
1281	The use of genetic algorithms for optimizing age structure in breeding populations when inbreeding depresses genetic gain through effects on reproduction. <b>1999</b> , 68, 457-499	3
1280	Autonomous Trajectory Planning of Mobile Robots Using an Evolution Strategy. <b>1999</b> , 32, 8468-8473	1
1279	Evolutionary programming method for minimizing the number of tardy jobs. <b>1999</b> , 32, 319-324	
1278	Performance improvement of evolution strategies using reinforcement learning. <b>1999</b> ,	1
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1275	Introduction to Evolutionary Algorithms. <b>2000</b> , 1-13	3
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1273	A near real-time Evolution-based Adaptation Strategy for dynamic Color Quantization of image sequences. <b>2000</b> , 122, 161-183	2
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1271	Evolutionary algorithms in noisy environments: theoretical issues and guidelines for practice. <b>2000</b> , 186, 239-267	165

1270	Cell formation using evolutionary algorithms with certain constraints. <b>2000</b> , 64, 267-278		25
1269	An evolutionary approach in the combinatorial selection and optimization of catalytic materials. <b>2000</b> , 200, 63-77		154
1268	Applications of neural networks to digital communications [a survey]. <b>2000</b> , 80, 1185-1215		124
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1266	Unraveling the identity of benzodiazepine binding sites in rat hippocampus and olfactory bulb. <b>2000</b> , 400, 167-76		8
1265	Combining preventive maintenance and statistical process control: a preliminary investigation. <b>2000</b> , 32, 471-478		26
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1261	A robust evolutionary algorithm for optical thin-film designs.		2
1260	Invariance, Self-Adaptation and Correlated Mutations in Evolution Strategies. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 355-364	0.9	25
1259	Parameter Identification of Large Structural Systems in Time Domain. <b>2000</b> , 126, 957-963		51
1258	Searching for objects in a scene.		0
1257	A genetic algorithm with adaptive mutations and family competition for training neural networks. <b>2000</b> , 10, 333-52		10
1256	Analysis of the ( $\mu/\mu$ , $\lambda$ )-ES on the parabolic ridge. <i>Evolutionary Computation</i> , <b>2000</b> , 8, 267-89	4.3	17
1255	A self organizing intelligent controller for speed and torque control of a PMSM.		9
1254	On the Desired Behaviors of Self-Adaptive Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 59-68	0.9	7
1253	A novel hybrid evolutionary programming method for function optimization.		23

1252	An Architecture for Learning "Potential Field" Cognitive Maps with an Application to Mobile Robotics. <b>2000</b> , 8, 173-203	10
1251	Evolution strategies for optical tomographic characterization of homogeneous media. <b>2000</b> , 7, 507-18	18
1250	Smart microscope: an adaptive optics learning system for aberration correction in multiphoton confocal microscopy. <b>2000</b> , 25, 52-4	118
1249	Distributed evolutionary algorithms for simulation optimization. <b>2000</b> , 30, 15-24	25
1248	Advances in Case-Based Reasoning. <i>Lecture Notes in Computer Science</i> , <b>2000</b> ,	0.9 7
1247	Protein-Ligand Docking. <b>2000</b> , 31-48	16
1246	.	
1245	Evolutionary tuning of neural networks for gesture recognition.	0
1244	Combining preventive maintenance and statistical process control: a preliminary investigation. <b>2000</b> , 32, 471-478	91
1243	.	
1242	Modified evolution strategies with a diversity-based parent-inclusion scheme.	0
1241	Amplification of perspectives in the use of evolutionary computation.	
1240	Reactive Local Search for the Maximum Clique Problem1. <b>2001</b> , 29, 610-637	143
1239	Using Radial Basis Function Networks for Hand Gesture Recognition. <b>2001</b> , 37-58	
1238	Treatment of olive oil mill wastewater by Fenton's reagent. <b>2001</b> , 49, 1873-80	122
1237	A convergence analysis of unconstrained and bound constrained evolutionary pattern search. <i>Evolutionary Computation</i> , <b>2001</b> , 9, 1-23	4.3 19
1236	Self-adaptive genetic algorithms with simulated binary crossover. <i>Evolutionary Computation</i> , <b>2001</b> , 9, 197-221	4.3 224
1235	. <b>2001</b> , 23, 786-799	12

1234	Evolutionary programming-based univector field navigation method for past mobile robots. <b>2001</b> , 31, 450-8		31
1233	Design of evolutionary algorithms-A statistical perspective. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2001</b> , 5, 129-148	15.6	36
1232	On self-adaptive features in real-parameter evolutionary algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2001</b> , 5, 250-270	15.6	154
1231	GAVEL - a new tool for genetic algorithm visualization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2001</b> , 5, 335-348	15.6	54
1230	Evolutionary pattern search algorithms for unconstrained and linearly constrained optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2001</b> , 5, 388-397	15.6	13
1229	Robust parameter settings of evolutionary algorithms for the optimisation of agricultural systems models. <b>2001</b> , 69, 199-213		26
1228	Bacillus subtilis metabolism and energetics in carbon-limited and excess-carbon chemostat culture. <b>2001</b> , 183, 7308-17		152
1227	Niche evolution strategy for global optimization.		3
1226	Evolutionary computation based identification of a monotonic Takagi-Sugeno-Kang fuzzy system.		4
1225	.		104
1224	Evolutionary algorithms with adaptive Levy mutations.		2
1223	Hybrid approach for diffuse optical tomography combining evolution strategies and gradient techniques. <b>2001</b> , 4250, 11		3
1222	An adaptive neighboring search using crossover-like mutation for multi modal function optimization.		9
1221	Evolving (semi)-autonomous vehicles. <b>2001</b> ,		13
1220	The Effect of Multi-Parent Recombination on Evolution Strategies. <b>2001</b> , 34, 123-127		
1219	Parental population manipulation in evolution strategies. <b>2001</b> ,		
1218	A Robust Evolutionary Algorithm for Training Neural Networks. <i>Neural Computing and Applications</i> , <b>2001</b> , 10, 214-230	4.8	28
1217	Parameter identification with weightless regularization. <b>2001</b> , 52, 219-238		15



1216	Evaluating 2D Image Comparison Metrics for 3D Scene Interpretation. <b>2001</b> , 84, 179-197	
1215	Metabolic flux analysis with a comprehensive isotopomer model in <i>Bacillus subtilis</i> . <b>2001</b> , 76, 144-56	154
1214	Design of fuel additives using neural networks and evolutionary algorithms. <b>2001</b> , 47, 1387-1406	37
1213	Applying evolutionary programming to structural optimization of atomic clusters. <b>2001</b> , 142, 214-218	20
1212	Experimental results of an evolution-based adaptation strategy for VQ image filtering. <b>2001</b> , 133, 249-266	9
1211	Robust Evolution Strategies. <b>2001</b> , 15, 153-169	14
1210	Adapting Self-Adaptive Parameters in Evolutionary Algorithms. <b>2001</b> , 15, 171-180	34
1209	Evolutionary Learning of a Fuzzy Behavior Based Controller for a Nonholonomic Mobile Robot in a Class of Dynamic Environments. <b>2001</b> , 32, 255-277	5
1208	Genetic Algorithms for Solving a Class of Constrained Nonlinear Integer Programs. <b>2001</b> , 8, 61-74	11
1207	Optimization of dynamic neural fields. <b>2001</b> , 36, 225-233	22
1206	An empirical study of design and testing of hybrid evolutionary-neural approach for classification. <b>2001</b> , 29, 361-374	24
1205	Kinematics of transmissions consisting of an outboard ball joint and an inboard generalized tripod joint. <b>2001</b> , 215, 119-132	5
1204	Integrating Graphics and Vision for Object Recognition. <b>2001</b> ,	3
1203	Some experimental observations of $(\mu/\lambda)$ -evolution strategies.	
1202	Genetic algorithms with entropy-Boltzmann samplings. <b>2001</b> ,	
1201	Hybrid methods using evolutionary algorithms for on-line training.	5
1200	Optimizing simulated manufacturing systems using machine learning coupled to evolutionary algorithms.	1
1199	Fuzzy self-adaptive radial basis function neural network-based control of a seven-link redundant industrial manipulator. <b>2001</b> , 15, 17-43	7

1198	Application of evolutionary computation to aircraft control law design.		1
1197	Evolutionary strategies for generation of fuzzy rule bases: a local approach.		
1196	Applications of Evolutionary Computing. <i>Lecture Notes in Computer Science</i> , <b>2001</b> ,	0.9	2
1195	Where genetic algorithms excel. <i>Evolutionary Computation</i> , <b>2001</b> , 9, 93-124	4.3	18
1194	Optical coating designs using the family competition evolutionary algorithm. <i>Evolutionary Computation</i> , <b>2001</b> , 9, 421-43	4.3	8
1193	Completely derandomized self-adaptation in evolution strategies. <i>Evolutionary Computation</i> , <b>2001</b> , 9, 159-95	4.3	2479
1192	Neural network ensembles and their application to traffic flow prediction in telecommunications networks.		8
1191	Diversity-based selection pooling scheme in evolution strategies. <b>2001</b> ,		3
1190	Constructive genetic algorithm for clustering problems. <i>Evolutionary Computation</i> , <b>2001</b> , 9, 309-27	4.3	61
1189	A diversity-control-oriented genetic algorithm (DCGA): performance in function optimization.		16
1188	Learning to focus selectively on possible lines of play in checkers.		
1187	Blocked stochastic sampling versus Estimation of Distribution Algorithms.		
1186	Evolving Objects: A General Purpose Evolutionary Computation Library. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 231-242	0.9	66
1185	Evolutionary Algorithms and Agricultural Systems. <b>2002</b> ,		10
1184	.		1
1183	Pareto-based continuous evolutionary algorithms for multiobjective optimization. <b>2002</b> , 19, 22-48		20
1182	Evolutionary computation approach to Wiener model identification.		5
1181	Outline of a new evolutionary algorithm for fuzzy systems learning. <b>2002</b> , 216, 557-570		5

1180	Metabolic flux responses to pyruvate kinase knockout in Escherichia coli. <b>2002</b> , 184, 152-64		228
1179	Multi-Agent Systems and Applications II. <i>Lecture Notes in Computer Science</i> , <b>2002</b> ,	0.9	9
1178	Simulation-based optimization.		25
1177	.		
1176	A social cognition model applied to general combinatorial optimization problem.		0
1175	Genetic algorithm-derived digital integrators and their applications in discretization of continuous systems.		
1174	Feature-based target classification in laser radar. <b>2002</b> , 4726, 46		1
1173	Efficiency speed-up strategies for evolutionary computation: an adaptive implementation. <b>2002</b> , 19, 272-304		6
1172	Profiling Web Usage in the Workplace: A Behavior-Based Artificial Intelligence Approach. <b>2002</b> , 19, 243-266		27
1171	Combined evolutionary algorithm and minimum classification error training for DHMM-based land mine detection. <b>2002</b> ,		
1170	Massive free-space optical 1xN fiber switch using an adaptive membrane mirror. <b>2002</b> , 4493, 64		4
1169	Results on a fractal measure for evolutionary optimization. <b>2002</b> ,		
1168	A genetic algorithm with domain knowledge for weapon-target assignment problems. <b>2002</b> , 25, 287-295		43
1167	Monte Carlo modelling of the spectral reflectance of the human eye. <b>2002</b> , 47, 2863-77		46
1166	Intracellular carbon fluxes in riboflavin-producing <i>Bacillus subtilis</i> during growth on two-carbon substrate mixtures. <b>2002</b> , 68, 1760-71		64
1165	Improved sampling of the pareto-front in multiobjective genetic optimizations by steady-state evolution: a pareto converging genetic algorithm. <i>Evolutionary Computation</i> , <b>2002</b> , 10, 283-314	4.3	98
1164	A Comparison of Evolutionary Algorithms for Mechanical Design Components. <b>2002</b> , 34, 307-322		32
1163	Automating performance optimization for script word recognition systems.		

1162	Employing locality in the evolutionary generation of fuzzy rule bases. <b>2002</b> , 32, 296-305	3
1161	Extraction and optimization of B-spline PBD templates for recognition of connected handwritten digit strings. <b>2002</b> , 24, 132-139	11
1160	A note on Park and Chin's algorithm [structuring element decomposition]. <b>2002</b> , 24, 139-144	10
1159	A computational reinforced learning scheme to blind image deconvolution. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2002</b> , 6, 2-15	15.6 17
1158	On efficient use of simulated annealing in complex structural optimization problems. <b>2002</b> , 157, 27-50	56
1157	Classifying inventory using an artificial neural network approach. <b>2002</b> , 41, 389-404	155
1156	A new multiobjective evolutionary algorithm. <b>2002</b> , 140, 12-23	76
1155	Evolutionary design of dynamic neural networks for evaporator control. <b>2002</b> , 25, 813-826	21
1154	A Cauchy-based evolution strategy for solving the reactive power dispatch problem. <b>2002</b> , 24, 277-283	17
1153	Generalized evolutionary programming with Levy-type mutation. <b>2002</b> , 147, 729-732	19
1152	Evolutionary optimization and the estimation of search distributions with applications to graph bipartitioning. <b>2002</b> , 31, 157-192	44
1151	Cooperative mutation based evolutionary programming for continuous function optimization. <b>2002</b> , 30, 195-201	14
1150	Performance improvement of self-adaptive evolutionary methods with a dynamic lower bound. <b>2002</b> , 82, 55-63	3
1149	Evolutionary computing. <b>2002</b> , 82, 1-6	128
1148	Evolving Receptive-Field Controllers for Mobile Robots. <b>2002</b> , 17, 89-100	2
1147	Block oriented nonlinear model identification by evolutionary computation approach.	7
1146	Genetic algorithms for root multiselection in constructive geometric constraint solving. <b>2003</b> , 27, 51-60	17
1145	Parallel computational strategies for structural optimization. <b>2003</b> , 58, 1347-1380	19

1144	Design Optimization of a Spray Chamber for Plasma Spectrometry using Computational Fluid Dynamics and an Evolution Strategy. <b>2003</b> , 26, 41-44	
1143	Evolutionary algorithms with deterministic mutation operators used for the optimization of the trajectory of a four-bar mechanism. <b>2003</b> , 63, 483-492	11
1142	Mapping of Sahelian vegetation parameters from ERS scatterometer data with an evolution strategies algorithm. <b>2003</b> , 87, 72-84	17
1141	Sparse data in the evolutionary generation of fuzzy models. <b>2003</b> , 138, 363-379	3
1140	Optimization of the geometry of a double-path spray chamber for inductively coupled plasma-atomic emission spectrometry by computer simulation and an evolutionary strategy. <b>2003</b> , 58, 1807-1819	3
1139	Scheduling algorithm based on evolutionary computing in identical parallel machine production line. <b>2003</b> , 19, 401-407	19
1138	Treatment of brines by combined Fenton's reagent-aerobic biodegradation. II. Process modelling. <b>2003</b> , 96, 259-76	29
1137	Global convergence for evolution strategies in spherical problems: some simple proofs and difficulties. <b>2003</b> , 306, 269-289	30
1136	Evolutionary approaches to the design and organization of manufacturing systems. <b>2003</b> , 44, 339-364	44
1135	Sequential and multi-population memetic algorithms for assigning cells to switches in mobile networks. <b>2003</b> , 43, 247-261	16
1134	Optimization of Microstructures by Evolution Strategies. <b>2003</b> , 3, 254-255	
1133	Efficiency speed-up strategies for evolutionary computation: fundamentals and fast-GAs. <b>2003</b> , 142, 341-388	17
1132	Fast evolutionary programming techniques for short-term hydrothermal scheduling. <b>2003</b> , 66, 97-103	66
1131	Fast evolutionary programming techniques for short-term hydrothermal scheduling. <b>2003</b> , 18, 214-220	131
1130	New Stochastic Algorithm for Design Optimization. <b>2003</b> , 41, 1808-1818	50
1129	Substructural Identification Method without Interface Measurement. <b>2003</b> , 129, 769-776	64
1128	Entropy-Boltzmann selection in the genetic algorithms. <b>2003</b> , 33, 138-49	24
1127	Globally convergent algorithms for DC operating point analysis of nonlinear circuits. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2003</b> , 7, 2-10	15.6 7

1126	Evolutionary programming techniques for economic load dispatch. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2003</b> , 7, 83-94	15.6	734
1125	Directed variation in evolution strategies. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2003</b> , 7, 356-366	5.6	8
1124	Introduction to Evolutionary Computing. <b>2003</b> ,		1780
1123	Genetic Programming Theory and Practice. <b>2003</b> ,		14
1122	Artificial Immune Systems. <i>Lecture Notes in Computer Science</i> , <b>2003</b> ,	0.9	10
1121	Visualizing evolvability with Price's equation.		4
1120	Training DHMMs of mine and clutter to minimize landmine detection errors. <b>2003</b> , 41, 1016-1024		17
1119	Multidimensional mutations in evolutionary algorithms based on real-valued representation. <b>2003</b> , 34, 469-483		11
1118	Genetic algorithm design of complexity-controlled time-series predictors. <b>2003</b> ,		4
1117	EVOLUTIONARY OPTIMIZATION (EvOpt): A BRIEF REVIEW AND ANALYSIS. <b>2003</b> , 03, 311-330		48
1116	Evolutionary Computation. <b>2003</b> , 27-53		1
1115	Evolving Controllers for Real Robots: A Survey of the Literature. <b>2003</b> , 11, 179-203		33
1114	Experimental Comparison of Two Evolutionary Algorithms for the Independent Set Problem. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 154-164	0.9	2
1113	Generating distinguishable, complete, consistent and compact fuzzy systems using evolutionary algorithms. <b>2003</b> , 100-118		2
1112	Optimization of an automotive generator using evolutionary programming. <b>2003</b> ,		2
1111	Stiffness Identification by a Substructural Approach in Frequency Domain. <b>2003</b> , 03, 267-281		7
1110	Packets Reconstruction Proposals applied to Waveform Coding Techniques for VoIP Solution. <b>2003</b> , 1, 1-7		
1109	Dynamic Function Optimisation: Comparing the Performance of Clonal Selection and Evolution Strategies. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 273-284	0.9	16

1108	A grouping-based evolutionary algorithm for constrained optimization problem.		0
1107	Design optimization for a novel class of high power microwave sources.		
1106	Evolving market design in zero-intelligence trader markets.		5
1105	Population size, search space and quality of solution: an experimental study.		10
1104	Group selection and its application to constrained evolutionary optimization.		
1103	Automated Design Optimization of Compressor Blades for Stationary, Large-Scale Turbomachinery. <b>2003</b> , 1249		18
1102	Locally-Adaptive and Memetic Evolutionary Pattern Search Algorithms. <i>Evolutionary Computation</i> , <b>2003</b> , 11, 29-51	4-3	17
1101	Qualms regarding the optimality of cumulative path length control in CSA/CMA-evolution strategies. <i>Evolutionary Computation</i> , <b>2003</b> , 11, 19-28	4-3	27
1100	Genetic algorithm design of neural network wavefront predictors. <b>2003</b> ,		
1099	Nonlinear state estimation by evolution strategies based particle filters.		19
1098	Implementing evolutionary self-organizing maps with the genetic of graph evolution theory.		
1097	Back Matter. <b>2003</b> , 263-273		
1096	Evolutionary algorithm to solve an FMS design problem. <b>2003</b> , 5, 279		3
1095	Two Grand Challenges for EC. <b>2004</b> , 37-51		
1094	Self Adaptation of Operator Rates in Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 1162-1173	0.9	28
1093	An instantaneous memetic algorithm for illumination correction.		2
1092	Frontiers of Evolutionary Computation. <b>2004</b> ,		8
1091	Application of evolutionary programming to optimize the rotor pole geometry of a wound rotor synchronous machine.		1

1090 Automated Load Balancing of a Missile Defense Simulation Using Domain Knowledge. **2004**, 1, 59-68

1089 A global genetic algorithm based optimization technique for spiral inductor on silicon design. 2

1088 Methods and Applications of Artificial Intelligence. *Lecture Notes in Computer Science*, **2004**, 0.9 0

1087 An approach to the design of a hybrid organization of workshops into functional layout and group technology cells. **2004**, 17, 108-116 12

1086 The Nei's standard genetic distance in artificial evolution. 2

1085 Grouping-based evolutionary algorithm: seeking balance between feasible and infeasible individuals of constrained optimization problems.

1084 Evolution strategies based particle filters for state and parameter estimation on nonlinear models. 7

1083 Economical operation of hydropower plant based on self-adaptive mutation evolutionary programming.

1082 Feature Selection for Robust Detection of Distributed Denial-of-Service Attacks Using Genetic Algorithms. *Lecture Notes in Computer Science*, **2004**, 276-281 0.9 4

1081 Ant Colony Optimization. **2004**, 101-121 45

1080 Evolutionary Algorithms. **2004**, 30

1079 Self-adaptive evolutionary algorithm based methods for quantification in metabolic systems. 1

1078 Hierarchical surrogate-assisted evolutionary optimization framework. 1

1077 Parameterisation of mutation in evolutionary algorithms using the estimated main effect of genes. 2

1076 Optimum Design of Shell Structures with Stiffening Beams. **2004**, 42, 175-184 29

1075 A single-point mutation evolutionary programming. **2004**, 90, 293-299 18

1074 Use of genetic algorithms for the development and optimization of crystal growth processes. **2004**, 266, 229-238 30

1073 Shape optimisation of continuum structures via evolution strategies and fixed grid finite element analysis. **2004**, 26, 92-98 26



1072	Optimization of piezoelectric fiber distribution in composite smart materials. <b>2004</b> , 4, 302-303		
1071	A single individual evolutionary strategy for endmember search in hyperspectral images. <b>2004</b> , 161, 181-197	8	
1070	Extending the boundaries of design optimization by integrating fast optimization techniques with machine-code-based, linear genetic programming. <b>2004</b> , 161, 99-120		35
1069	Using real-valued multi-objective genetic algorithms to model molecular absorption spectra and Raman excitation profiles in solution. <b>2004</b> , 6, 1085-1095		17
1068	PSO embedded evolutionary programming technique for nonconvex economic load dispatch.		0
1067	Self adaptation of operator rates for multimodal optimization.		5
1066	From Structure to Dynamics: Modeling Exciton Dynamics in the Photosynthetic Antenna PS1. <b>2004</b> , 108, 13536-13546		58
1065	Evolutionary algorithms for the optimization of advective control of contaminated aquifer zones. <b>2004</b> , 40,		60
1064	Simulation optimization: A comprehensive review on theory and applications. <b>2004</b> , 36, 1067-1081		170
1063	Evolutionary Computations. <b>2004</b> ,		5
1062	Designing Evolutionary Algorithms for Dynamic Environments. <b>2004</b> ,		102
1061	Evolutionary programming using mutations based on the Levy probability distribution. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2004</b> , 8, 1-13	15.6	326
1060	A hybrid of genetic algorithm and particle swarm optimization for recurrent network design. <b>2004</b> , 34, 997-1006		606
1059	Evolution Strategies Based Particle Filters for Nonlinear State Estimation. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 1189-1196	0.9	3
1058	Genetic algorithm optimization for ultra wideband impulse radio to mitigate multi-band jam interference.		1
1057	Looking Under the EA Hood with Price-Equation. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 914-922	0.9	3
1056	LS-CMA-ES: A Second-Order Algorithm for Covariance Matrix Adaptation. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 182-191	0.9	15
1055	Gradient based evolution strategy for parametric illumination correction. <b>2004</b> , 40, 531		4

1054	NONLINEAR STATE ESTIMATION BY EVOLUTION STRATEGIES BASED PARTICLE FILTERS. <b>2005</b> , 38, 994-999		
1053	Dynamic Archive Evolution Strategy for Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 135-149	0.9	
1052	Isotropic symmetric /spl alpha/-stable mutations for evolutionary algorithms.		2
1051	An Evolutionary Algorithm Based on Morphological Associative Memories for Endmember Selection in Hyperspectral Images. <b>2005</b> , 45-59		
1050	Development of Optimal Design of Solar Water Heating System by Using Evolutionary Algorithm. <b>2005</b> , 333		1
1049	Coherent Control in Atoms, Molecules and Solids. <b>2005</b> , 333-394		0
1048	Performance comparison of search-based simulation optimisation algorithms for operations scheduling. <b>2005</b> , 1, 58		6
1047	Competitive clonal hematopoiesis in mouse chimeras explained by a stochastic model of stem cell organization. <b>2005</b> , 105, 609-16		62
1046	Linear dimensionality reduction using relevance weighted LDA. <i>Pattern Recognition</i> , <b>2005</b> , 38, 485-493	7.7	64
1045	A novel evolution strategy for multiobjective optimization problem. <b>2005</b> , 170, 850-873		19
1044	Multi-database exploration of large design spaces in the framework of cascade evolutionary structural sizing optimization. <b>2005</b> , 194, 3315-3330		22
1043	An adaptive neural network strategy for improving the computational performance of evolutionary structural optimization. <b>2005</b> , 194, 3374-3393		28
1042	A threshold-varying artificial neural network approach for classification and its application to bankruptcy prediction problem. <i>Computers and Operations Research</i> , <b>2005</b> , 32, 2561-2582	4.6	94
1041	A new hybrid method using evolutionary algorithms to train Fuzzy Cognitive Maps. <b>2005</b> , 5, 409-431		105
1040	Modified differential evolution: a greedy random strategy for genetic recombination. <b>2005</b> , 33, 255-265		51
1039	Rethinking the design of real-coded evolutionary algorithms: Making discrete choices in continuous search domains. <b>2005</b> , 9, 225-235		4
1038	On a Gradient-based Evolution Strategy for Parametric Illumination Correction. <b>2005</b> , 61-72		
1037	An Hybrid Approach to Real Complex System Optimization. <b>2005</b> , 169-199		

1036 Computer Simulation of Natural Evolution. 59-103

1035 Applying price's equation to survival selection. **2005,**

1

1034 Extending the Boundaries of Design Optimization by Integrating Fast Optimization Techniques with Machine Code Based, Linear Genetic Programming. **2005,** 11-30

1033 Unbiased tournament selection. **2005,**

25

1032 Evolutionary optimization of dynamic control problems accelerated by progressive step reduction. **2005,**

1031 HF in clusters of molecular hydrogen. I. Size evolution of quantum solvation by parahydrogen molecules. **2005,** 122, 244306

13

1030 (HCl)<sub>2</sub> and (HF)<sub>2</sub> in small helium clusters: quantum solvation of hydrogen-bonded dimers. **2005,** 123, 224313

17

1029 A novel multiobjective evolution strategy: design for adaptive balance between proximity and diversity.

1028 Evolution strategies based Gaussian sum particle filter for nonlinear state estimation.

4

1027 Effects of experience bias when seeding with prior results.

1

1026 A systems analysis of importin- $\alpha$ - $\beta$  mediated nuclear protein import. **2005,** 168, 1027-38

90

1025 Efficiency of parallel exponential evolutionary programming.

2

1024 Dynamic spatial block arrangement scheduling in shipbuilding industry using genetic algorithm.

1

1023 White-light filaments for multiparameter analysis of cloud microphysics. **2005,** 22, 369

30

1022 How do we evaluate artificial immune systems?. *Evolutionary Computation*, **2005,** 13, 145-77

4-3 158

1021 The Differential Evolution Algorithm. **2005,** 37-134

1

1020 Knowledge Incorporation in Evolutionary Computation. **2005,**

17

1019 Variable scaling hybrid differential evolution for solving network reconfiguration of distribution systems. **2005,** 20, 668-674

193

1018	Optimized sink node path using particle swarm optimization. <b>2006,</b>	12
1017	Robustness in cooperative coevolution. <b>2006,</b>	14
1016	Evolutionary Programming With Only Using Exponential Mutation.	8
1015	. <b>2006,</b>	3
1014	Exponential Evolutionary Programming Without Self-Adaptive Strategy Parameter.	2
1013	Emergent Behaviour, Population-based Search and Low-pass Filtering.	6
1012	A New Mutation Operator Based on the T Probability Distribution in Evolutionary Programming. <b>2006,</b>	4
1011	Identification of fuzzy model for short-term load forecasting using evolutionary programming and orthogonal least squares. <b>2006,</b>	4
1010	Machine intelligence. <b>2006,</b> 9, 12-16	2
1009	Taboo evolutionary programming: a new method of global optimization. <b>2006,</b> 462, 3613-3627	17
1008	An analytical model to represent crystallization kinetics in materials with metastable phase formation. <b>2006,</b> 352, 51-55	15
1007	GLOBAL OPTIMIZATION: APPLICATIONS TO ADVANCED REFLECTOR ANTENNAS SYNTHESIS AND DIAGNOSIS TECHNIQUES. <b>2006,</b> 56, 195-232	17
1006	Metaswarm: Enhanced evolutionary algorithms for electromagnetic optimization. <b>2006,</b>	
1005	Evolution strategies with exclusion-based selection operators and a Fourier series auxiliary function. <b>2006,</b> 174, 1080-1109	5
1004	An experimental study on the optimization of controller gains for an electro-hydraulic servo system using evolution strategies. <b>2006,</b> 14, 137-147	40
1003	Capacitor placement in large-scale distribution systems using variable scaling hybrid differential evolution. <b>2006,</b> 28, 739-745	24
1002	A hybrid evolutionary learning algorithm for TSK-type fuzzy model design. <b>2006,</b> 43, 563-581	14
1001	Design of near-optimal waveforms for chest and abdominal compression and decompression in CPR using computer-simulated evolution. <b>2006,</b> 68, 277-93	25

1000	Rapid Modeling and Discovery of Priority Dispatching Rules: An Autonomous Learning Approach. <b>2006</b> , 9, 7-34		137
999	Advances in Design and Application of Spiking Neural Networks. <b>2006</b> , 11, 239-248		54
998	Evolutionary training of hardware realizable multilayer perceptrons. <i>Neural Computing and Applications</i> , <b>2006</b> , 15, 33-40	4.8	10
997	Some Insight Over New Variations of the Particle Swarm Optimization Method. <b>2006</b> , 5, 235-238		38
996	Evaluation of alternative evolutionary programming techniques for optimization of an automotive alternator. <b>2006</b> , 55, 933-942		10
995	Parameter estimation in stochastic mammogram model by heuristic optimization techniques. <b>2006</b> , 10, 685-95		17
994	Evolutionary Optimization of Feature Representation for 3D Point-based Model Classification. <b>2006</b> ,		
993	Improved fast evolutionary program for optimum design of power transformer. <b>2006</b> , 25, 995-1006		3
992	An analysis of mutative sigma-self-adaptation on linear fitness functions. <i>Evolutionary Computation</i> , <b>2006</b> , 14, 255-75	4.3	29
991	A simple line search operator for ridged landscapes. <b>2006</b> ,		
990	Gene intrusion on a society of Hill-Climbers. <b>2006</b> ,		
989	Fitness function for finding out robust solutions on time-varying functions. <b>2006</b> ,		6
988	EVOLUTIONARY DESIGN OF SPIKING NEURAL NETWORKS. <b>2006</b> , 02, 237-253		15
987	Comparing the Uni-Modal Scaling Performance of Global and Local Selection in a Mutation-Only Differential Evolution Algorithm.		9
986	The Design of Neuro-Fuzzy Networks Using Particle Swarm Optimization and Recursive Singular Value Decomposition. <b>2006</b> ,		
985	Meta Heuristic Search Algorithms for Short-Term Hydrothermal Scheduling. <b>2006</b> ,		11
984	ODE: A Fast and Robust Differential Evolution Based on Orthogonal Design. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 709-718	0.9	8
983	A Genetic Algorithm for Evolutionary Voting System. <b>2006</b> ,		

982	Optimal control of filamentation in air. <b>2006</b> , 89, 171117	40
981	Research on Calculations of Probabilities of Operators in GA Guided by Cooperation of Diversity and Fitness. <b>2006</b> ,	
980	Formal Descriptions of Real Parameter Optimisation.	2
979	Soft-Computing. <b>2006</b> ,	
978	. <b>2007</b> ,	
977	Improving ANN classification accuracy for the identification of students with LDs through evolutionary computation. <b>2007</b> ,	
976	Self-adaptive barebones differential evolution. <b>2007</b> ,	1
975	Evolutionary Computations for Designing Game Rules of the COMMONS GAME. <b>2007</b> ,	1
974	SDR. <b>2007</b> ,	14
973	Effects of the use of non-geometric binary crossover on evolutionary multiobjective optimization. <b>2007</b> ,	2
972	Adaptive variance scaling in continuous multi-objective estimation-of-distribution algorithms. <b>2007</b> ,	14
971	COSMO. <b>2007</b> ,	1
970	Hybrid Evolutionary Learning Approaches for The Virus Game. <b>2007</b> ,	0
969	Design for recurrent fuzzy neural networks using MSC-MFS and PSO-MBP. <b>2007</b> ,	1
968	Hybrid PSO/self-adaptive improved EP for economic dispatch with nonsmooth cost function. <b>2007</b> ,	
967	Genetic Fuzzy Systems applied to Online Job Scheduling. <b>2007</b> ,	6
966	. <b>2007</b> ,	
965	Optimization of truss bridges within a specified design domain using evolution strategies. <b>2007</b> , 39, 737-756	23

964	Evolutionary Computer Music. <b>2007</b> ,	65
963	An Introduction to Evolutionary Computing for Musicians. <b>2007</b> , 1-27	12
962	OPTIMUM PERFORMANCE-BASED RELIABILITY DESIGN OF STRUCTURES. <b>2007</b> , 137-159	
961	References. 487-549	
960	Parameter Identification and Damage Detection Using Structural Optimization and Static Response Data. <b>2007</b> , 10, 607-621	5
959	Electromagnetic device optimization by hybrid evolution strategy approaches. <b>2007</b> , 26, 269-279	10
958	Proposal for optical fiber designs with ultrahigh effective area and small bending loss applicable to long haul communications. <b>2007</b> , 46, 6330-9	9
957	Operator Adaptation in Evolutionary Programming. <b>2007</b> , 90-99	3
956	A novel evolutionary approach for optimizing content-based image indexing algorithms. <b>2007</b> , 37, 139-53	51
955	Fault Diagnosis of Power Transformers Based on BP Network with Clonal Selection Algorithm. <b>2007</b> ,	1
954	Solving Multiobjective Clustering Using an Immune-inspired Algorithm. <b>2007</b> ,	
953	A Genetic-Algorithm-Based Routing Optimization Scheme for Overlay Network. <b>2007</b> ,	1
952	Grid task scheduling algorithm R3Q for evolution strategies. <b>2007</b> ,	1
951	Robust Performance-Based Design Optimization of Steel Moment Resisting Frames. <b>2007</b> , 11, 752-772	7
950	Evolution Strategies Based Particle Filters for Fault Detection. <b>2007</b> ,	5
949	Optimization of the AUC Criterion for Rule Subset Selection. <b>2007</b> ,	
948	Simultaneous gradient and evolutionary neural network weights adaptation methods. <b>2007</b> ,	5
947	Evolutionary Computation on Multitask Reinforcement Learning Problems. <b>2007</b> ,	3

946	The design of self-organizing fuzzy neural networks based on Ga-ecpso and MBP. <b>2007,</b>	
945	Evolutionary Programming Techniques for Designing M-Channel Cosine Modulated Filter Banks. <b>2007,</b>	3
944	Hybridisation of evolutionary programming and machine learning with k-nearest neighbor estimation. <b>2007,</b>	
943	Genetic Algorithms and Their Use in Chemistry. <b>2007, 1-73</b>	11
942	Greedy Scheduling with Complex Obejectives. <b>2007,</b>	5
941	Microsolvation of cationic dimers in 4He droplets: geometries of A+2(He)N (A=Li, Na, K) from optimized energies. <b>2007, 111, 12289-94</b>	20
940	Differential evolution for high-dimensional function optimization. <b>2007,</b>	45
939	Evolutionary Design of Digital Filters With Application to Subband Coding and Data Transmission. <b>2007, 55, 1193-1203</b>	20
938	Partitioning the effects of pine plantations and climate variability on runoff from a large catchment in southeastern Australia. <b>2007, 43,</b>	50
937	Bibliography. <b>2007, 439-453</b>	
936	Microsolvation of an ionic dopant in small (4)He clusters: OH+((3)sigma)((4)He)(N) via genetic algorithm optimizations. <b>2007, 8, 93-100</b>	17
935	Using statistical analysis to tune an evolutionary algorithm for dynamic optimization with progressive step reduction. <b>2007, 31, 1475-1483</b>	5
934	Variable scaling hybrid differential evolution for large-scale economic dispatch problems. <b>2007, 77, 212-218</b>	63
933	Evolutionary programming using a mixed mutation strategy. <b>2007, 177, 312-327</b>	76
932	A new crossover operator for real coded genetic algorithms. <b>2007, 188, 895-911</b>	260
931	A new mutation operator for real coded genetic algorithms. <b>2007, 193, 211-230</b>	247
930	A distributed hierarchical genetic algorithm for efficient optimization and pattern matching. <i>Pattern Recognition</i> , <b>2007, 40, 212-228</b>	7:7 30
929	An evolutionary-simulation approach for the optimization of multi-constant work-in-process strategyA case study. <b>2007, 107, 104-114</b>	36



928	Improved differential evolution algorithms for handling economic dispatch optimization with generator constraints. <b>2007</b> , 48, 1631-1639	81
927	The design of neuro-fuzzy networks using particle swarm optimization and recursive singular value decomposition. <b>2007</b> , 71, 297-310	48
926	Bosonic helium clusters doped by alkali metal cations: interaction forces and analysis of their most stable structures. <b>2007</b> , 118, 53-65	26
925	Regional groundwater prediction model using automatic parameter calibration SCE method for a coastal plain of Seto Inland Sea. <b>2007</b> , 21, 947-959	18
924	Examining emergence of functional gene clustering in a simulated evolution. <b>2007</b> , 69, 2261-80	5
923	Empirical analysis of self-adaptive differential evolution. <b>2007</b> , 183, 785-804	114
922	Adaptive evolution strategies in structural optimization: Enhancing their computational performance with applications to large-scale structures. <b>2008</b> , 86, 119-132	67
921	A semi-distributed groundwater recharge model for estimating water-table and water-balance variables. <b>2008</b> , 16, 1215-1228	9
920	Genetic Matrix Algorithm; Simultaneous Optimization of Structure and Numerical Parameters. <b>2008</b> , 3, 84-91	
919	Q-Dock: Low-resolution flexible ligand docking with pocket-specific threading restraints. <b>2008</b> , 29, 1574-88	36
918	Performance-based optimum seismic design of reinforced concrete structures. <b>2008</b> , 37, 825-844	62
917	An evolution strategy method for computing eigenvalue bounds of interval matrices. <b>2008</b> , 196, 257-265	15
916	Enhancing the performance of differential evolution using orthogonal design method. <b>2008</b> , 206, 56-69	88
915	Cell size determination in WCDMA systems using an evolutionary programming approach. <i>Computers and Operations Research</i> , <b>2008</b> , 35, 3758-3768	4.6 5
914	Adaptive evolutionary programming based on reinforcement learning. <b>2008</b> , 178, 971-984	24
913	A genetic algorithm calibration method based on convergence due to genetic drift. <b>2008</b> , 178, 2857-2869	38
912	Development of scheduling strategies with Genetic Fuzzy systems. <b>2008</b> , 8, 706-721	30
911	Genetic optimization of fabric utilization in apparel manufacturing. <b>2008</b> , 114, 376-387	32

910	Making a Difference to Differential Evolution. <b>2007</b> , 397-414	58
909	Self-adaptive differential evolution with neighborhood search. <b>2008</b> ,	59
908	. <b>2008</b> , 57, 2498-2508	9
907	An experimental study on the self-adaption mechanism used by evolutionary programming. <b>2008</b> , 18, 481-486	2
906	Evolving artificial neural networks using an improved PSO and DPSO. <b>2008</b> , 71, 1054-1060	158
905	A Self-adaptive Evolutionary Programming Based on Optimum Search Direction. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 9-18	0.9 1
904	Estimaci3n de los par3metros f3sicos de un autom3vil. <b>2008</b> , 5, 28-35	3
903	Unsupervised design of Artificial Neural Networks via multi-dimensional Particle Swarm Optimization. <b>2008</b> ,	2
902	Hybrid canonical genetic algorithm and steepest descent algorithm for optimizing likelihood estimators of ARMA (1, 1) model. <b>2008</b> ,	
901	. <b>2008</b> ,	
900	Velocity self-adaptation made Particle Swarm Optimization faster. <b>2008</b> ,	1
899	Low Dimensional Reproduction Strategy for Real-Coded Evolutionary Algorithms. <b>2008</b> ,	
898	Micro-Macro-interaction. <b>2008</b> ,	4
897	Solving Dynamic TSP by Using River Formation Dynamics. <b>2008</b> ,	14
896	An Evolutionary Approach for the Solution of the Economic Dispatch Considering Generation Constraints. <b>2008</b> , 6, 42-50	2
895	Direction matters in high-dimensional optimisation. <b>2008</b> ,	17
894	. <b>2008</b> , 56, 67-75	46
893	Human Motion. <b>2008</b> ,	16

892	Modelling and optimization of machining conditions for the multi-pass dry turning process. <b>2008</b> , 222, 1387-1394	7
891	Engineering Evolutionary Intelligent Systems. <b>2008</b> ,	7
890	Advances in Cognitive Neurodynamics ICCN 2007. <b>2008</b> ,	1
889	A Robust Evolutionary Algorithm for HVAC Engineering Optimization. <b>2008</b> , 14, 683-705	11
888	. <b>2008</b> ,	4
887	An EEG-based subject- and session-independent drowsiness detection. <b>2008</b> ,	1
886	Evolutionary Univector Field-based Navigation with Collision Avoidance for Mobile Robot. <b>2008</b> , 41, 12787-12792	2
885	A NOVEL DESIGN METHODOLOGY OF MULTI-CLAD SINGLE MODE OPTICAL FIBER FOR BROADBAND OPTICAL NETWORKS. <b>2008</b> , 80, 253-275	13
884	Evolving synaptic plasticity with an evolutionary cellular development model. <b>2008</b> , 3, e3697	4
883	Custom Hardware Processor to Compute a Figure of Merit for the Fit of X-Ray Diffraction Peaks. <b>2008</b> , 2008, 1-7	2
882	Parameter Mapping: A genetic programming approach to function optimization. <b>2008</b> , 12, 29-45	2
881	. <b>2009</b> ,	39
880	. <b>2009</b> ,	8
879	Support Vector Regression and Immune Clone Selection Algorithm for Predicting Financial Distress. <b>2009</b> ,	
878	Assessing Coefficients of the Barlat Yield Criterion for Anisotropic Aluminum Alloy Sheets by Means of the Evolutionary Strategy. <b>2009</b> , 24, 375-383	10
877	. <b>2009</b> ,	1
876	Multi-start JADE with knowledge transfer for numerical optimization. <b>2009</b> ,	10
875	. <b>2009</b> ,	0

874	Solution search algorithm for a CFD optimization problem with multimodal solution space. <b>2009</b> ,		1
873	A stochastic method for controlling the scaling parameters of Cauchy mutation in fast evolutionary programming. <b>2009</b> ,		
872	An Improved Immune Clone Selection Algorithm for Multi Robot Task Scheduling. <b>2009</b> ,		2
871	Immune clone selection algorithm for fuzzy logic controller design. <b>2009</b> ,		1
870	GA tuned differential evolution for economic load dispatch with non-convex cost function. <b>2009</b> ,		2
869	Benchmarking a Single-Objective Optimization Test Bed for Parametric Study on Differential Evolution. 105-136		0
868	Maximum Fuzzy Entropy and Immune Clone Selection Algorithm for Image Segmentation. <b>2009</b> ,		7
867	Preserving and Exploiting Genetic Diversity in Evolutionary Programming Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2009</b> , 13, 661-673	15.6	71
866	Vulnerability-based robust design optimization of imperfect shell structures. <b>2009</b> , 31, 475-482		16
865	An evolutionary simulation optimization approach in solving parallel-machine scheduling problems [A case study]. <b>2009</b> , 56, 1126-1136		27
864	Self-adaptation procedures in genetic algorithms applied to the optimal design of composite structures. <b>2009</b> , 5, 289-302		10
863	A Computer Model for Selecting Facility Evacuation Design Using Cellular Automata. <b>2009</b> , 24, 608-622		26
862	Curve fitting using heuristics and bio-inspired optimization algorithms for experimental data processing in chemistry. <b>2009</b> , 96, 34-42		9
861	Spatial regression analysis of NOx and O3 concentrations in Madrid urban area using Radial Basis Function networks. <b>2009</b> , 99, 79-90		5
860	A survey of repair methods used as constraint handling techniques in evolutionary algorithms. <b>2009</b> , 3, 175-192		65
859	A comparative study of Artificial Bee Colony algorithm. <b>2009</b> , 214, 108-132		2134
858	Pattern recognition using neural-fuzzy networks based on improved particle swarm optimization. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 5402-5410	7.8	18
857	A mixed strategy of combining evolutionary algorithms with multigrid methods. <b>2009</b> , 86, 837-849		2

856	The Bees Algorithm: Modelling foraging behaviour to solve continuous optimization problems. <b>2009</b> , 223, 2919-2938	121
855	Calibration and evaluation of a combined fracture model of microvoid growth that may compete with shear in the polycrystalline microstructure by means of evolutionary algorithms. <b>2009</b> , 45, 133-149	6
854	Jump method for optical thin film design. <b>2009</b> , 17, 16920-6	9
853	An Evolutionary Algorithm and Kalman Filter Hybrid Approach for Integrated Navigation. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 211-216	0.9
852	A Novel Hybrid Evolution Algorithm Based on Agent Behavior and Paradigm Learning. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 461-469	0.9
851	Structuring molecular hydrogen around ionic dopants: Li(+) cations in small pH(2) clusters. <b>2009</b> , 11, 3868-74	5
850	Multi-dimensional Particle Swarm Optimization for dynamic clustering. <b>2009</b> ,	4
849	Application of Modified Genetic Algorithm in Feature Extraction of the Unstructured Data. <b>2009</b> ,	0
848	Stochastic approximation driven Particle Swarm Optimization. <b>2009</b> ,	1
847	Evolutionary optimized footstep planning for humanoid robot. <b>2009</b> ,	1
846	Comparison and application of self-tuning DE/HDE based algorithms to solve optimal reactive power dispatch problems with multiple objectives. <b>2009</b> ,	2
845	Modeling and Forecasting Method Based on Support Vector Regression. <b>2009</b> ,	1
844	Evolutionary artificial neural networks by multi-dimensional particle swarm optimization. <b>2009</b> , 22, 1448-62	193
843	A variable scaling hybrid differential evolution for solving large-scale power dispatch problems. <b>2009</b> , 3, 154-163	45
842	Nature-Inspired Algorithms for Optimisation. <b>2009</b> ,	36
841	Stochastic behavior analysis of the press unit in a paper mill using GABLT technique. <b>2009</b> , 2, 574-593	23
840	In vivo bioluminescence tomography with a blocking-off finite-difference SP3 method and MRI/CT coregistration. <b>2010</b> , 37, 329-38	60
839	Stochastic behavior analysis of the feeding system in a paper mill using NGABLT technique. <b>2010</b> , 27, 953-971	10

838	Perceptual Dominant Color Extraction by Multidimensional Particle Swarm Optimization. <b>2010</b> , 2009,	4
837	Stochastic behavior analysis of the forming unit in a paper mill using NGABLT technique. <b>2010</b> , 16, 107-122	3
836	A Rigorous Analysis of the Harmony Search Algorithm. <b>2010</b> , 1, 50-60	80
835	Analogue filter design using differential evolution. <b>2010</b> , 2, 233	11
834	Optimization of forging processes using Finite Element simulations. <b>2010</b> , 42, 797-810	45
833	Modelling and optimization of fluid dispensing for electronic packaging using neural fuzzy networks and genetic algorithms. <b>2010</b> , 23, 18-26	27
832	A modified ant colony optimization algorithm based on differential evolution for chaotic synchronization. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 4198-4203	7.8 28
831	Greedy scheduling with custom-made objectives. <b>2010</b> , 180, 145-164	2
830	Using evolution strategies to solve DEC-POMDP problems. <b>2010</b> , 14, 35-47	6
829	Computational evolution: taking liberties. <b>2010</b> , 129, 183-91	3
828	Novel deseasonalizing models for improving the prediction of total ozone in column using evolutionary programming and neural networks. <b>2010</b> , 72, 1333-1340	1
827	Applying simulation optimization to the asset allocation of a property casualty insurer. <b>2010</b> , 207, 499-507	11
826	Evolutionary hidden information detection by granulation-based fitness approximation. <b>2010</b> , 10, 719-729	23
825	RAM analysis of repairable industrial systems utilizing uncertain data. <b>2010</b> , 10, 1208-1221	44
824	Ensemble strategies with adaptive evolutionary programming. <b>2010</b> , 180, 1571-1581	91
823	HYBRID PIFA-PATCH ANTENNA OPTIMIZED BY EVOLUTIONARY PROGRAMMING. <b>2010</b> , 108, 221-234	16
822	Comparison of Genetic Algorithm Parameter Setting Methods for Chlorine Injection Optimization. <b>2010</b> , 136, 288-291	26
821	A Fast Restoration Strategy in Distribution Systems Using an Enhanced Differential Evolution Approach. <b>2010</b> , 11,	

820	Zero-dispersion wavelength and mode field diameter managements of ZDSF by optimization technique. <b>2010,</b>		
819	On the parallelization and optimization of the genetic-based ANN classifier for the diagnosis of students with learning disabilities. <b>2010,</b>		0
818	Advances in Computation and Intelligence. <i>Lecture Notes in Computer Science</i> , <b>2010,</b>	0.9	4
817	Ion Thruster Grid Design Using an Evolutionary Algorithm. <b>2010,</b> 26, 125-129		4
816	Are long jumps of Cauchy mutations effective in fast evolutionary programming?. <b>2010,</b>		
815	Nitrates/nitrites concentration estimation in wastewater samples using transmittance curve models optimized by evolutionary computation techniques. <b>2010,</b> 12, 446-457		
814	Estimating the runtime of evolutionary programming based on uniform mutation. <b>2010,</b>		
813	Evaluations of mutations in evolutionary programming. <b>2010,</b>		0
812	Optimization of Optical Thin Film with Jump Method. <b>2010,</b>		
811	A self-organization mechanism based on cross-entropy method for P2P-like applications. <b>2010,</b> 5, 1-31		2
810	Toward comparison-based adaptive operator selection. <b>2010,</b>		25
809	The new adaptive evolutionary programming. <b>2010,</b>		1
808	Two-step method for lens system design. <b>2010,</b> 18, 13285-300		10
807	Non-linear system control using a recurrent fuzzy neural network based on improved particle swarm optimisation. <b>2010,</b> 41, 381-395		25
806	Fractional particle swarm optimization in multidimensional search space. <b>2010,</b> 40, 298-319		79
805	Optimal solution for non-convex combined heat and power dispatch problems using Differential Evolution. <b>2010,</b>		3
804	An Enhanced Differential Evolution Approach to Service Restoration of Distribution Systems. <b>2010,</b>		1
803	Evolutionary approach to ICA-R. <b>2010,</b>		1

802	Hybrid Bacteria Foraging-DE based algorithm for Economic Load Dispatch with non-convex loads. <b>2010,</b>		2
801	Applying River Formation Dynamics to the Steiner Tree Problem. <b>2010,</b>		7
800	Evolutionary cross-domain discriminative Hessian Eigenmaps. <b>2010,</b> 19, 1075-86		30
799	Clustering using SOFM and genetic algorithm. <b>2010,</b>		1
798	Guided wave signal recognition by matching pursuit based on evolutionary programming algorithm. <b>2011,</b>		
797	Apply particle swarm optimization to maximize the service reliability of grid computing system. <b>2011,</b>		
796	A methodology of integrating marketing with engineering for defining design specifications of new products. <b>2011,</b> 22, 201-213		21
795	Quantum features of a barely bound molecular dopant: Cs <sub>2</sub> (3D) in bosonic helium droplets of variable size. <b>2011,</b> 115, 6892-902		18
794	Applying simulation optimization to dynamic financial analysis for the asset liability management of a property casualty insurer. <b>2011,</b> 21, 505-518		
793	Investigation of Self-adapting Genetic Algorithms Using Some Multimodal Benchmark Functions. <i>Lecture Notes in Computer Science,</i> <b>2011,</b> 213-223	0.9	2
792	The Effect of Proprioceptive Feedback on the Distribution of Sensory Information in a Model of an Undulatory Organism. <i>Lecture Notes in Computer Science,</i> <b>2011,</b> 18-26	0.9	1
791	Computational Collective Intelligence. Technologies and Applications. <i>Lecture Notes in Computer Science,</i> <b>2011,</b>	0.9	2
790	Advances in Artificial Life. Darwin Meets von Neumann. <i>Lecture Notes in Computer Science,</i> <b>2011,</b>	0.9	0
789	Evolving radial basic function neural network for fast restoration of distribution systems. <b>2011,</b>		3
788	Hybrid Artificial Bee Colony algorithm for neural network training. <b>2011,</b>		72
787	Recurring two-stage evolutionary programming: a novel approach for numeric optimization. <b>2011,</b> 41, 1352-65		11
786	Geometric crossover for the permutation representation. <b>2011,</b> 5, 49-63		9
785	Quantum-Inspired Particle Swarm Optimization for Feature Selection and Parameter Optimization in Evolving Spiking Neural Networks for Classification Tasks. <b>2011,</b>		2



784	The Grand Challenges in Natural Computing Research. <b>2011</b> , 2, 17-30		4
783	Construction of Optimal Artificial Neural Network Architectures for Application to Chemical Systems: Comparison of Generalized Pattern Search Method and Evolutionary Algorithm. <b>2011</b> ,		
782	Evolutionary Computation and Its Applications in Neural and Fuzzy Systems. <b>2011</b> , 2011, 1-20		16
781	Robust Construction Scheduling Using Discrete-Event Simulation. <b>2011</b> ,		9
780	Evolutionary Algorithms. <b>2011</b> ,		
779	Active Control of Daylighting Features in Buildings. <b>2011</b> , 26, 393-405		21
778	Use of stochastic methods for robust parameter extraction from impedance spectra. <b>2011</b> , 56, 8069-8077		22
777	Self-adaptation of learning rate in XCS working in noisy and dynamic environments. <b>2011</b> , 27, 1535-1544		5
776	Selection of Heterogeneous Fuzzy Model Ensembles Using Self-adaptive Genetic Algorithms. <b>2011</b> , 29, 309-327		18
775	An improved FCMBP fuzzy clustering method based on evolutionary programming. <b>2011</b> , 61, 1129-1144		7
774	An efficient evolutionary algorithm for fuzzy inference systems. <b>2011</b> , 2, 83-99		2
773	Multi-objective optimization of a multi water-to-water heat pump system using evolutionary algorithm. <b>2011</b> , 88, 3580-3591		13
772	Artificial Bee Colony (ABC) for multi-objective design optimization of composite structures. <b>2011</b> , 11, 489-499		215
771	Stochastic approximation driven particle swarm optimization with simultaneous perturbation □ Who will guide the guide?. <b>2011</b> , 11, 2334-2347		4
770	Multi-dimensional particle swarm optimization in dynamic environments. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 2212-2223	7.8	39
769	Optimization of multi-task turning operations under minimal tool waste consideration. <b>2011</b> , 27, 674-680		7
768	Evolution of neural symmetry and its coupled alignment to body plan morphology. <b>2011</b> ,		
767	Self adaptive mutation step size in Differential Evolution algorithm. <b>2011</b> ,		2

766	Optimisation of weld deposition efficiency in pulsed MIG welding using hybrid neuro-based techniques. <b>2011</b> , 24, 198-210	6
765	Optimal active-reactive power dispatch using an enhanced differential evolution algorithm. <b>2011</b> ,	4
764	Multi-dimensional evolutionary feature synthesis for content-based image retrieval. <b>2011</b> ,	3
763	An empirical study on Differential Evolution algorithm and its several variants. <b>2011</b> ,	2
762	Solving the constrained nonlinear optimization based on greedy evolution algorithm. <b>2011</b> ,	1
761	Swarm Intelligence and Neural Networks. <b>2011</b> , 1-21	1
760	Convergence dynamics of biochemical pathway steady state stochastic global optimization. <b>2011</b> ,	4
759	Layout algorithm of searching point for a CFD optimization problem. <b>2011</b> ,	2
758	Computational Intelligence. <b>2011</b> ,	11
757	Multireservoir optimisation in discrete and continuous domains. <b>2011</b> , 164, 57-72	71
756	Novel Low-Bend Large Effective Area Fiber for Fiber-to-the-Home Application. <b>2011</b> , 30, 1-8	2
755	Application of a Fast Evolutionary Algorithm to Short-term Hydro-thermal Generation Scheduling. <b>2011</b> , 6, 395-405	20
754	Determining unified constitutive equations for modelling hot forming of steel. <b>2012</b> , 180-209	
753	Reinforcement Learning in Continuous State and Action Spaces. <b>2012</b> , 207-251	60
752	The Two Step Mutation Evolutionary Programming Using in Image Segmentation. <b>2012</b> , 433-440, 5459-5462	
751	A memory efficient and continuous-valued compact EDA for large scale problems. <b>2012</b> ,	3
750	PSO based on surrogate modeling as meta-search to optimise evolutionary algorithms parameters. <b>2012</b> ,	1
749	Description of simple genetic algorithm modifications using Generalized Nets. <b>2012</b> ,	11

748	The Bi-Group evolutionary programming for image processing. <b>2012,</b>	
747	An Artificial Immune Algorithm and its Application in AVO Inversion. <b>2012, 268-270, 1779-1782</b>	
746	A Flexible Rule-Based Approach to Learn Medical English-Chinese OOV Term Translations from the Web. <b>2012, 24, 207-236</b>	0
745	A Study on Facility Layout Using Evolution Strategies in Case of Different Shapes and Areas of Facilities. <b>2012,</b>	
744	Optimization of curved roof surface design using GA. <b>2012, 10, 345-359</b>	
743	Multi-Subcenters Solution Search Algorithm for CFD Optimization Problems and Its Application to Die Casting. <b>2012, 53, 367-373</b>	1
742	Genetic & Evolutionary Biometrics: Hybrid feature selection and weighting for a multi-modal biometric system. <b>2012,</b>	5
741	Comparative study of evolutionary computation methods for activeReactive power dispatch. <b>2012, 6, 636</b>	23
740	Differential Evolution with Adaptive Mutation and Parameter Control Using Levy Probability Distribution. <b>2012, 27, 1035-1055</b>	17
739	Using genetic algorithms and an indifference-zone ranking and selection procedure under common random numbers for simulation optimisation. <b>2012, 6, 56-66</b>	8
738	Forecast pipe defect size based on modified grey system and guided wave signal recognition with matching pursuit. <b>2012,</b>	
737	Multiple band antenna optimization using heuristics and bio-inspired optimization algorithms. <b>2012</b>	3
736	Design of an efficient NoC architecture using millimeter-wave wireless links. <b>2012,</b>	20
735	A hybrid evolutionary programming approach for optimal worst case tolerance design of magnetic devices. <b>2012, 12, 2425-2434</b>	2
734	Combined Differential Evolution Algorithm and Ant System for Optimal Reactive Power Dispatch. <b>2012, 14, 1238-1243</b>	29
733	Genetic algorithms: An inevitable solution for query optimization in web mining DA review. <b>2012,</b>	1
732	Encyclopedia of the Sciences of Learning. <b>2012, 3050-3050</b>	
731	Encyclopedia of the Sciences of Learning. <b>2012, 2993-2993</b>	

730	Encyclopedia of the Sciences of Learning. <b>2012</b> , 2913-2913		
729	Applying evolution programming Search Based Software Engineering (SBSE) in selecting the best open source software maintainability metrics. <b>2012</b> ,		3
728	Comparison of nongradient methods with hybrid Taguchi-based epsilon constraint method for multiobjective optimization of cylindrical fin heat sink. <b>2012</b> , 63, 1081-1094		6
727	Operations Research Proceedings 2011. <b>2012</b> ,		4
726	Encyclopedia of the Sciences of Learning. <b>2012</b> , 2979-2979		
725	Design of a Nonlinear Controller for a Rigid-Flexible Satellite Using Multi-Objective Generalized Extremal Optimization with Real Codification. <b>2012</b> , 19, 947-956		8
724	An Approximation to the Adaptive Exponential Integrate-and-Fire Neuron Model Allows Fast and Predictive Fitting to Physiological Data. <b>2012</b> , 6, 62		24
723	A parameter-free barebones particle swarm algorithm for unsupervised pattern classification. <b>2012</b> , 9, 135-143		2
722	Multi-sensor based prediction of metal deposition in pulsed gas metal arc welding using various soft computing models. <b>2012</b> , 12, 498-505		14
721	A hybrid evolutionary algorithm for tuning a cloth-simulation model. <b>2012</b> , 12, 266-273		25
720	A novel clustering-based differential evolution with 2 multi-parent crossovers for global optimization. <b>2012</b> , 12, 663-681		36
719	Evolution strategies and multi-objective optimization of permanent magnet motor. <b>2012</b> , 12, 778-792		10
718	Diversity Guided Evolutionary Programming: A novel approach for continuous optimization. <b>2012</b> , 12, 1693-1707		21
717	Single-mode fiber design proposal using evolutionary technique with ultra low bending-loss appropriate in FTTH application. <b>2012</b> , 123, 735-738		2
716	Efficient aerodynamic design through evolutionary programming and support vector regression algorithms. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 10700-10708	7.8	49
715	ConvAn: a convergence analyzing tool for optimization of biochemical networks. <b>2012</b> , 108, 73-7		11
714	Voidage Measurement of Air-Water Two-phase Flow Based on ERT Sensor and Data Mining Technology. <b>2012</b> , 20, 400-405		2
713	An improved swarm optimized functional link artificial neural network (ISO-FLANN) for classification. <b>2012</b> , 85, 1333-1345		104

712	A Chaotic Approach of Differential Evolution Optimization Applied to Loudspeaker Design Problem. <b>2012</b> , 48, 751-754		16
711	A new approach to simultaneous localization and map building with implicit model learning using neuro evolutionary optimization. <b>2012</b> , 36, 242-269		21
710	Fundamental Evolutionary Algorithms. <i>Texts in Computer Science</i> , <b>2013</b> , 227-274	0.4	1
709	Ship hull form optimization by evolutionary algorithm in order to diminish the drag. <b>2013</b> , 12, 170-179		20
708	Computational Intelligence. <i>Texts in Computer Science</i> , <b>2013</b> ,	0.4	60
707	Exploration and exploitation in evolutionary algorithms. <b>2013</b> , 45, 1-33		640
706	Bespoke Balloon Launched Sensorcraft for Atmospheric Research Missions. <b>2013</b> ,		
705	Adaptive and Natural Computing Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2013</b> ,	0.9	3
704	On the benefits of Laplace samples in solving a rare event problem using cross-entropy method. <b>2013</b> , 225, 843-859		1
703	The utility of artificially evolved sequences in protein threading and fold recognition. <b>2013</b> , 328, 77-88		8
702	A mixed mutation approach for evolutionary programming based on guided selection strategy. <b>2013</b> ,		1
701	An efficient evolutionary programming algorithm using mixed mutation operators for numerical optimization. <b>2013</b> ,		1
700	Genetic Programming. <i>Lecture Notes in Computer Science</i> , <b>2013</b> ,	0.9	1
699	Information transmission through genetic algorithm fitness maps. <b>2013</b> ,		1
698	Self-adaptive mutation strategy for evolutionary programming based on fitness tracking scheme. <b>2013</b> ,		1
697	Consignment stock theory with a fixed batch manufacturing process. <b>2013</b> , 51, 2377-2398		10
696	Towards the Use of Metaheuristics for Optimizing the Combination of Classifier and Cluster Ensembles. <b>2013</b> ,		1
695	A (□)evolutionary and particle swarm hybrid algorithm, with an application to dinosaur gait optimization. <b>2013</b> ,		

694	Adaptive directed mutation for real-coded genetic algorithms. <b>2013</b> , 13, 600-614	77
693	Evolutionary algorithm characterization in real parameter optimization problems. <b>2013</b> , 13, 1902-1921	27
692	Sub-pixel mapping based on artificial immune systems for remote sensing imagery. <i>Pattern Recognition</i> , <b>2013</b> , 46, 2902-2926	7.7 48
691	A survey on optimization metaheuristics. <b>2013</b> , 237, 82-117	862
690	A Novel Objective Function and Algorithm for Optimal PSS Parameter Design in a Multi-Machine Power System. <b>2013</b> , 28, 522-531	26
689	Multi-decadal variability in a centennial reconstruction of daily wind. <b>2013</b> , 105, 30-46	11
688	Modeling of the electrochemical impedance spectroscopic behavior of passive iron using a genetic algorithm approach. <b>2013</b> , 102, 161-173	69
687	Improving efficiency of a statistical analysis of complex ecological models, when using the statistical software R by parallelising tasks with Rmpi. <b>2013</b> , 15, 53-57	1
686	A Simplex Crossover based evolutionary algorithm including the genetic diversity as objective. <b>2013</b> , 13, 2104-2123	23
685	My Flights and Global Optimization. <b>2013</b> , 49-72	18
684	Optimisation of industrial-scale n-butyl acrylate production using reactive distillation. <b>2013</b> , 100, 360-372	39
683	Evolutionary Programming Using Distribution-Based and Differential Mutation Operators. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 244-245	0.9
682	A dual mutation strategy embedded Evolutionary Programming for continuous optimization. <b>2013</b> ,	1
681	Adaptive cooperative particle swarm optimizer. <b>2013</b> , 39, 397-420	49
680	A modification to classical evolutionary programming by shifting strategy parameters. <b>2013</b> , 38, 175-192	8
679	Fitness tracking based evolutionary programming. <b>2013</b> ,	
678	COMBINING EVOLUTION STRATEGY WITH ORDINAL OPTIMIZATION. <b>2013</b> , 12, 233-260	1
677	Template based evolution. <b>2013</b> ,	0

676	Taming parallel I/O complexity with auto-tuning. <b>2013,</b>	40
675	Hysteresis parameters estimation using a modified harmony search. <b>2013, 32, 1974-1985</b>	2
674	Optimizing cut order planning in apparel production using evolutionary strategies. <b>2013, 81-105</b>	1
673	An Advanced Technology for Enhancement of Transmission Loadability Using FACTS Devices. <b>2013, 302, 502-508</b>	1
672	A self adaptive hybrid artificial bee colony algorithm for solving CEC 2013 real-parameter optimization problems. <b>2013,</b>	1
671	Efficient design of a double-band coplanar hybrid antenna using multi-objective evolutionary programming. <b>2013, 26, 620-629</b>	3
670	A scripted control system for autonomous hardware-timed experiments. <b>2013, 84, 085111</b>	22
669	(□)evolutionary and particle swarm hybrid algorithm over cloud computing, with an application to dinosaur gait optimization. <b>2013,</b>	
668	A Hybrid Approach Based on the Combination of Adaptive Neuro-Fuzzy Inference System and Imperialist Competitive Algorithm: Oil Flow Rate of the Wells Prediction Case Study. <b>2013, 6, 198-208</b>	8
667	A literature survey of benchmark functions for global optimisation problems. <b>2013, 4, 150</b>	483
666	A Novel Self-Adaptation Hybrid Artificial Fish-Swarm Algorithm. <b>2013, 46, 583-588</b>	5
665	Evolution Strategies-Based Metaheuristics in Structural Design Optimization. <b>2013, 79-102</b>	8
664	An Analysis of Black-Box Optimization Problems in Reinsurance: Evolutionary-Based Approaches. <b>2013,</b>	1
663	Parameter Estimation of Three-Phase Induction Motor Using Hybrid of Genetic Algorithm and Particle Swarm Optimization. <b>2014, 2014, 1-6</b>	22
662	Effectively Tackling Reinsurance Problems by Using Evolutionary and Swarm Intelligence Algorithms. <b>2014, 2, 132-145</b>	10
661	Survey on Evolutionary Computation Tech Techniques and Its Application in Different Fields. <b>2014, 3, 73-82</b>	3
660	Bibliography. <b>2014, 321-346</b>	
659	Effect of Multivariate Cauchy Mutation in Evolutionary Programming. <b>2014, E97.D, 821-829</b>	1

658	. 2014,			15
657	An efficient approach based on differential evolution algorithm for data clustering. 2014, 3, 319-324			5
656	. 2014,			8
655	Lion algorithm for standard and large scale bilinear system identification: A global optimization based on Lion's social behavior. 2014,			36
654	Fate and transport modelling of urban highway contaminants by a multi-objective evolutionary method. 2014, 11, 379-391			
653	An evolutionary algorithm based on Covariance Matrix Learning and Searching Preference for solving CEC 2014 benchmark problems. 2014,			13
652	An Evolutionary Algorithm for the Texture Analysis of Cubic System Materials Derived by the Maximum Entropy Principle. 2014, 16, 6477-6496			
651	An Improved Real-Coded Population-Based Extremal Optimization Method for Continuous Unconstrained Optimization Problems. 2014, 2014, 1-9			3
650	A Greedy Agent-Based Resource Allocation in the Smart Electricity Markets. <i>Lecture Notes in Computer Science</i> , 2014, 150-161	0.9	0	
649	Efficient SIFT processing using sub-sampled convolution and masking techniques. 2014,			
648	A step size based self-adaptive mutation operator for evolutionary programming. 2014,			5
647	Multi objective optimization of energy production of distributed generation in distribution feeder. 2014,			3
646	Introduction. <i>Use R!</i> , 2014, 1-9			0.3
645	Integrating a multi-objective optimization framework into a structural design software. 2014, 76, 161-170			6
644	An Accelerated Particle Swarm Optimization Based Levenberg Marquardt Back Propagation Algorithm. <i>Lecture Notes in Computer Science</i> , 2014, 245-253	0.9	9	
643	Computational Collective Intelligence. Technologies and Applications. <i>Lecture Notes in Computer Science</i> , 2014,	0.9		
642	Improving Enhanced Fireworks Algorithm with New Gaussian Explosion and Population Selection Strategies. <i>Lecture Notes in Computer Science</i> , 2014, 53-63	0.9	19	
641	A new genetic algorithm for global optimization of multimodal continuous functions. 2014, 5, 298-311			51



640	Optimizing human activity patterns using global sensitivity analysis. <b>2014</b> , 20, 394-416		7
639	How novel is the novel black hole optimization approach?. <b>2014</b> , 267, 191-200		40
638	Theories and Simulations of Complex Social Systems. <b>2014</b> ,		3
637	Robust Neuroevolutionary Identification of Nonlinear Nonstationary Objects. <b>2014</b> , 50, 17-30		1
636	Enhancing the performance of biogeography-based optimization using polyphyletic migration operator and orthogonal learning. <i>Computers and Operations Research</i> , <b>2014</b> , 41, 125-139	4.6	48
635	Minimizing the acoustic power radiated by a fluid-loaded curved panel excited by turbulent boundary layer flow. <b>2014</b> , 136, 2575-85		10
634	Greedy Politics Optimization: Metaheuristic inspired by political strategies adopted during state assembly elections. <b>2014</b> ,		3
633	The estimation of I-V curves of PV panel using manufacturers' I-V curves and evolutionary strategy. <b>2014</b> , 88, 447-458		19
632	Optimization of stacking ensemble Configuration based on various metaheuristic algorithms. <b>2014</b> ,		4
631	Modern Optimization with R. <i>Use R!</i> , <b>2014</b> ,	0.3	24
630	Design of pseudo-symmetric high bit rate, bend insensitive optical fiber applicable for high speed FTTH. <b>2014</b> , 332, 379-383		
629	Aerodynamic Shape Optimization in Aeronautics: A Fast and Effective Multi-Objective Approach. <b>2014</b> , 21, 189-271		7
628	Electrochemical Impedance Spectroscopy. <b>2014</b> , 349-365		0
627	Integration of Monte Carlo Simulation and Genetic Algorithms for Sustainable Designs Analysis. <b>2014</b> ,		1
626	Automated parameterization of intermolecular pair potentials using global optimization techniques. <b>2014</b> , 185, 3228-3239		12
625	Evolutionary Programming for High-Dimensional Constrained Expensive Black-Box Optimization Using Radial Basis Functions. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2014</b> , 18, 326-347	15.6	142
624	In silico modeling of the effects of alpha-synuclein oligomerization on dopaminergic neuronal homeostasis. <b>2014</b> , 8, 54		18
623	Robust fetal ECG extraction and detection from abdominal leads. <b>2014</b> , 35, 1551-67		61

622	Food model exploration through evolutionary optimisation coupled with visualisation: Application to the prediction of a milk gel structure. <b>2014</b> , 25, 67-77	4
621	Coupling deterministic and random sequential approaches for structure and texture prediction of a dairy oil-in-water emulsion. <b>2014</b> , 25, 28-39	1
620	Supporting the design process with hypergraph genetic operators. <b>2014</b> , 28, 11-27	12
619	Using self-adaptive optimisation methods to perform sequential optimisation for low-energy building design. <b>2014</b> , 81, 18-29	19
618	Modular construction of a functional artificial epothilone polyketide pathway. <b>2014</b> , 3, 759-72	35
617	Robust Design Optimization of Structural Systems Under Evolutionary Stochastic Seismic Excitation. <b>2014</b> ,	4
616	Free Search - comparative analysis 100. <b>2014</b> , 3, 118	9
615	A review of soft computing techniques in biometrics. <b>2015</b> ,	1
614	Effects of design parameters on cavitation in a solenoid valve for an electric vehicle braking system and design optimization. <b>2015</b> , 29, 4757-4765	9
613	A termination criterion for parameter estimation in stochastic models in systems biology. <b>2015</b> , 137, 55-63	2
612	Improving Search-Based Schematic Layout by Parameter Manipulation. <b>2015</b> , 25, 961-991	2
611	Using metaheuristics to optimize the combination of classifier and cluster ensembles. <b>2015</b> , 22, 229-242	28
610	The application of femtosecond lidar in atmosphere remote sensing. <b>2015</b> ,	
609	Retrieval of Spectra from Interferograms with a Small Optical Path Difference Using a Genetic Algorithm. <b>2015</b> , 82, 816-823	
608	A Genetic Algorithm-Based Method for the Optimization of Reduced Kinetics Mechanisms. <b>2015</b> , 47, 695-723	22
607	MAKHA New Hybrid Swarm Intelligence Global Optimization Algorithm. <b>2015</b> , 8, 336-365	6
606	An Analytical Framework for Runtime of a Class of Continuous Evolutionary Algorithms. <b>2015</b> , 2015, 485215	1
605	A seed-based plant propagation algorithm: the feeding station model. <b>2015</b> , 2015, 904364	20

604	A Multi-Learning Immune Algorithm for Numerical Optimization. <b>2015</b> , E98.A, 362-377		8
603	A critical analysis of the harmony search algorithm flow not to solve sudoku. <b>2015</b> , 2, 97-105		52
602	Enhanced differential evolution using random-based sampling and neighborhood mutation. <b>2015</b> , 19, 2173-2192		11
601	Evaluation and implementation of heuristic algorithms for non-restricted global optimization. <b>2015</b> , 13, 1542-1549		2
600	Maximization of a dissimilarity measure for multimodal optimization. <b>2015</b> ,		2
599	A differential evolution algorithm to optimise the combination of classifier and cluster ensembles. <b>2015</b> , 7, 111		12
598	An improved covariance matrix learning and searching preference algorithm for solving CEC 2015 benchmark problems. <b>2015</b> ,		6
597	Multiple objective Evolution Strategies using Data Envelopment Analysis. <b>2015</b> ,		
596	Machine Learning, Optimization, and Big Data. <i>Lecture Notes in Computer Science</i> , <b>2015</b> ,	0.9	1
595	Automatic Tuning of Algorithms Through Sensitivity Minimization. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 14-25	0.9	3
594	A Case Study in Capacity Planning for PEPA Models with the PEPA Eclipse Plug-in. <b>2015</b> , 318, 69-89		1
593	Data Mining Approach for Modeling Risk Assessment in Computational Grid. <b>2015</b> , 673-684		1
592	An immune-inspired, information-theoretic framework for blind inversion of Wiener systems. <b>2015</b> , 113, 18-31		4
591	Numerical Methods and Applications. <i>Lecture Notes in Computer Science</i> , <b>2015</b> ,	0.9	
590	Simplified brain storm optimization approach to control parameter optimization in F/A-18 automatic carrier landing system. <b>2015</b> , 42, 187-195		54
589	Parameterizing complex reactive force fields using multiple objective evolutionary strategies (MOES). Part 1: ReaxFF models for cyclotrimethylene trinitramine (RDX) and 1,1-diamino-2,2-dinitroethene (FOX-7). <b>2015</b> , 11, 381-91		26
588	State of the art in simulation-based optimisation for maintenance systems. <b>2015</b> , 82, 167-182		114
587	Multiple strategies based orthogonal design particle swarm optimizer for numerical optimization. <i>Computers and Operations Research</i> , <b>2015</b> , 60, 91-110	4.6	36

586	Nautilus. <b>2015</b> ,	12
585	The irradiance and temperature dependent mathematical model for estimation of photovoltaic panel performances. <b>2015</b> , 101, 229-238	22
584	Introduction to Evolutionary Computing. <b>2015</b> ,	284
583	A novel artificial bee colony algorithm based on modified search strategy and generalized opposition-based learning. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2015</b> , 28, 1023-1037	1.6 12
582	A Clustering Method Based on the Maximum Entropy Principle. <b>2015</b> , 17, 151-180	27
581	Circadian systems biology: When time matters. <b>2015</b> , 13, 417-26	52
580	Application of evolutionary computation for rule discovery in stock algorithmic trading: A literature review. <b>2015</b> , 36, 534-551	85
579	A review on optimization algorithms and application to wind energy integration to grid. <b>2015</b> , 48, 214-227	57
578	The gradient evolution algorithm: A new metaheuristic. <b>2015</b> , 316, 246-265	43
577	Hybrid achievement oriented computational chemotaxis in bacterial foraging optimization: a comparative study on numerical benchmark. <b>2015</b> , 19, 3647-3663	7
576	Evaluating Process Parameters of Multi-Pass Turning Process Using Hybrid Genetic Simulated Swarm Algorithm. <b>2015</b> , 14, 215-233	5
575	Using Genetic Algorithms for Deadline-Constrained Monitor Selection in Dynamic Computer Networks. <b>2015</b> ,	5
574	Trajectory Optimization With Particle Swarm Optimization for Manipulator Motion Planning. <b>2015</b> , 11, 620-631	80
573	Evolutionary algorithms for the optimal management of coastal groundwater: A comparative study toward future challenges. <b>2015</b> , 520, 193-213	79
572	A recurrent neural fuzzy controller based on self-organizing improved particle swarm optimization for a magnetic levitation system. <b>2015</b> , 29, 563-580	3
571	A survey on engineering approaches for self-adaptive systems. <b>2015</b> , 17, 184-206	215
570	Using characteristics of the optimisation problem to determine the Genetic Algorithm population size when the number of evaluations is limited. <b>2015</b> , 69, 226-239	24
569	An improved GSO method for discontinuous non-convex transient stability constrained optimal power flow with complex system model. <b>2015</b> , 64, 483-492	15

568	Balancing exploration and exploitation by using sequential execution cooperation between artificial bee colony and migrating birds optimization algorithms. <b>2016</b> , 24, 4935-4956	3
567	A Survey on Evolutionary Computation: Methods and Their Applications in Engineering. <b>2016</b> , 10, 131	9
566	Optimization of a Conical Corrugated Antenna Using Multiobjective Heuristics for Radio-Astronomy Applications. <b>2016</b> , 2016, 1-13	1
565	A Possible Role for End-Stopped V1 Neurons in the Perception of Motion: A Computational Model. <b>2016</b> , 11, e0164813	6
564	Analysis of Network Topologies Underlying Ethylene Growth Response Kinetics. <b>2016</b> , 7, 1308	8
563	Ordinary Differential Equations (ODEs) Based Modeling. <b>2016</b> , 63-78	3
562	A fast evolutionary algorithm with searching preference. <b>2016</b> , 12, 29	11
561	Automatically Designing More General Mutation Operators of Evolutionary Programming for Groups of Function Classes Using a Hyper-Heuristic. <b>2016</b> ,	3
560	Load frequency control using ANN-PID controller. <b>2016</b> ,	1
559	An Evolutionary Approach to Driving Tendency Recognition for Advanced Driver Assistance Systems. <b>2016</b> , 56, 02012	3
558	Computation of Velocity and Temperature Distributions in Extrusion Dies. <b>2016</b> , 85-165	
557	Fast Multidisciplinary Design Optimization in the Development of Mechatronic Systems. <b>2016</b> ,	1
556	A search algorithm for quantum state engineering and metrology. <b>2016</b> , 18, 073033	29
555	Optimization of business processes by automatic reallocation of resources using the genetic algorithm. <b>2016</b> ,	4
554	Image classification with stacked restricted boltzmann machines and evolutionary function array classification voter. <b>2016</b> ,	3
553	Metaheuristic Techniques. <b>2016</b> , 693-750	10
552	Prospective HIV Clinical Trial Comparison by Expected Kullback-Leibler Divergence. <b>2016</b> , 2016, 1295-1300	5
551	Performance Analysis of Clustering Based Genetic Algorithm. <b>2016</b> ,	1

550	Recent Advances in Evolutionary Programming. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 191-203	0.3	
549	Automated tuning of RFI identification and flagging algorithms. <b>2016</b> ,		
548	On the relationship of degree of separability with depth of evolution in decomposition for cooperative coevolution. <b>2016</b> ,		1
547	Combining in silico evolution and nonlinear dimensionality reduction to redesign responses of signaling networks. <b>2017</b> , 13, 066015		1
546	A clustering-based differential evolution with random-based sampling and Gaussian sampling. <b>2016</b> , 205, 229-246		16
545	An approximate stochastic dynamics approach for nonlinear structural system performance-based multi-objective optimum design. <b>2016</b> , 60, 67-76		18
544	Hybrid Artificial Intelligent Systems. <i>Lecture Notes in Computer Science</i> , <b>2016</b> ,	0.9	3
543	Model and algorithm for 4PLRP with uncertain delivery time. <b>2016</b> , 330, 211-225		21
542	Hybrid Optimization Method Applied to Adaptive Splitting and Selection Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 742-750	0.9	1
541	Beyond Resilience: How to Better Prepare for the Profound Disruption of the Anthropocene. <b>2016</b> , 7, 107-118		30
540	Harmony Search Algorithm: A Unique Music-inspired Algorithm. <b>2016</b> , 154, 1401-1405		29
539	Knowledge Management and Acquisition for Intelligent Systems. <i>Lecture Notes in Computer Science</i> , <b>2016</b> ,	0.9	2
538	Modern meta-heuristics based on nonlinear physics processes: A review of models and design procedures. <b>2016</b> , 655, 1-70		92
537	Knowledge Acquisition for Learning Analytics: Comparing Teacher-Derived, Algorithm-Derived, and Hybrid Models in the Moodle Engagement Analytics Plugin. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 183-197	0.9	3
536	A modified estimation distribution algorithm based on extreme elitism. <b>2016</b> , 150, 149-166		3
535	Optimizing probabilistic fuzzy systems for classification using metaheuristics. <b>2016</b> ,		1
534	Computational Intelligence. <i>Texts in Computer Science</i> , <b>2016</b> ,	0.4	33
533	Simulation-optimization framework for multi-site multi-season hybrid stochastic streamflow modeling. <b>2016</b> , 542, 506-531		5

532	A novel Clustering based Genetic Algorithm for route optimization. <b>2016</b> , 19, 2022-2034		16
531	Exploring superior structural materials using multi-objective optimization and formal techniques. <b>2016</b> ,		9
530	Hybrid evolutionary approach for level set topology optimization. <b>2016</b> ,		9
529	GA-inspired particle filter for mitigating severe sample impoverishment. <b>2016</b> ,		3
528	Automatic identification and multi-translatable translation of vocabulary terms with a combined approach. <b>2016</b> ,		0
527	Advances in Swarm Intelligence. <i>Lecture Notes in Computer Science</i> , <b>2016</b> ,	0.9	1
526	History and Philosophy of Evolutionary Computation. <b>2016</b> , 509-545		2
525	Flock Leadership: Understanding and influencing emergent collective behavior. <b>2016</b> , 27, 261-279		28
524	Comparison of approaches for parameter estimation on stochastic models: Generic least squares versus specialized approaches. <b>2016</b> , 61, 75-85		3
523	Metaheuristics in structural optimization and discussions on harmony search algorithm. <i>Swarm and Evolutionary Computation</i> , <b>2016</b> , 28, 88-97	9.8	103
522	GACE: A meta-heuristic based in the hybridization of Genetic Algorithms and Cross Entropy methods for continuous optimization. <i>Expert Systems With Applications</i> , <b>2016</b> , 55, 508-519	7.8	24
521	A survey on image segmentation using metaheuristic-based deformable models: state of the art and critical analysis. <b>2016</b> , 44, 1-29		51
520	Extending standard evolutionary programming with self-adaptive stable distributions. <b>2016</b> , 31, 114-142		
519	Fuzzy performance evaluation of Evolutionary Algorithms based on extreme learning classifier. <b>2016</b> , 175, 371-382		2
518	Metabolic engineering of <i>Pseudomonas putida</i> for production of docosahexaenoic acid based on a myxobacterial PUFA synthase. <i>Metabolic Engineering</i> , <b>2016</b> , 33, 98-108	9.7	24
517	Improved Particle Swarm Optimization for Global Optimization of Unimodal and Multimodal Functions. <b>2016</b> , 97, 525-535		3
516	A new meta-heuristic ebb-tide-fish-inspired algorithm for traffic navigation. <b>2016</b> , 62, 403-415		20
515	Is a comparison of results meaningful from the inexact replications of computational experiments?. <b>2016</b> , 20, 223-235		49

514	Combining VNS with Genetic Algorithm to solve the one-to-one routing issue in road networks. <i>Computers and Operations Research</i> , <b>2017</b> , 78, 420-430	4.6	26
513	Fitness function shaping in multiagent cooperative coevolutionary algorithms. <b>2017</b> , 31, 179-206		5
512	Since CEC 2005 competition on real-parameter optimisation: a decade of research, progress and comparative analysis weakness. <b>2017</b> , 21, 5573-5583		41
511	A sequential approach to calibrate ecosystem models with multiple time series data. <b>2017</b> , 151, 227-244		12
510	Comparing biological traits of anchovy and sardine in the Bay of Biscay: A modelling approach with the Dynamic Energy Budget. <b>2017</b> , 348, 93-109		21
509	Efficient optimization procedure in non-linear fluid-structure interaction problem: Application to mainsail trimming in upwind conditions. <b>2017</b> , 69, 209-231		7
508	Review: Multi-objective optimization methods and application in energy saving. <b>2017</b> , 125, 681-704		255
507	Application of mutation operators to flower pollination algorithm. <i>Expert Systems With Applications</i> , <b>2017</b> , 79, 112-129	7.8	75
506	A genetic algorithm approach to customizing a glucose model based on usual therapeutic parameters. <b>2017</b> , 6, 255-261		4
505	Combination of Video Change Detection Algorithms by Genetic Programming. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2017</b> , 21, 914-928	15.6	96
504	Evolution of circadian rhythms: from bacteria to human. <b>2017</b> , 35, 49-61		64
503	Effects of different chromosome representations in developing genetic algorithms to solve DFJS scheduling problems. <i>Computers and Operations Research</i> , <b>2017</b> , 80, 101-112	4.6	28
502	Water demand forecasting: review of soft computing methods. <b>2017</b> , 189, 313		54
501	A univariate marginal distribution algorithm based on extreme elitism and its application to the robotic inverse displacement problem. <i>Genetic Programming and Evolvable Machines</i> , <b>2017</b> , 18, 283-312 <sup>2</sup>		3
500	Simultaneous production of xylenes and hydrogen in an optimized membrane-assisted thermally coupled reactor using an elaborate reaction network. <b>2017</b> , 119, 113-130		3
499	The evolution of lossy compression. <b>2017</b> , 14,		24
498	Global Optimization of an Analog Method by Means of Genetic Algorithms. <b>2017</b> , 145, 1275-1294		20
497	A Robust and Subject-Specific Hemodynamic Model of the Lower Limb Based on Noninvasive Arterial Measurements. <b>2017</b> , 139,		4



496	Simple parameter estimation for complex models ¶ Testing evolutionary techniques on 3-dimensional biogeochemical ocean models. <b>2017</b> , 165, 139-152	6
495	Damage Detection of Thin Plates Using GA-PSO Algorithm Based on Modal Data. <b>2017</b> , 42, 1251-1263	14
494	Breeder hybrid algorithm approach for natural gas demand forecasting model. <b>2017</b> , 141, 1269-1284	53
493	A new genetic algorithm based on prenatal genetic screening (PGS-GA) and its application in an automated process flowsheet synthesis problem for a membrane based carbon capture case-study. <b>2017</b> , 128, 265-289	2
492	Gradient subspace approximation: a direct search method for memetic computing. <b>2017</b> , 21, 6331-6350	17
491	Grammatical Evolution Using Tree Representation Learning. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 346-355	0.9
490	Automatic carrier landing system based on active disturbance rejection control with a novel parameters optimizer. <b>2017</b> , 69, 149-160	53
489	A novel Fireworks Algorithm with wind inertia dynamics and its application to traffic forecasting. <b>2017</b> ,	3
488	A case study on automatic parameter optimization of a mobile robot localization algorithm. <b>2017</b> ,	2
487	Design of Metaheuristic Based on Machine Learning: A Unified Approach. <b>2017</b> ,	5
486	Synthesis of nanoparticle and modelling of its photocatalytic dye degradation ability from colored wastewater. <b>2017</b> , 5, 3684-3689	24
485	Improved solution to the non-domination level update problem. <b>2017</b> , 60, 336-362	6
484	Determination of hyporheic travel time distributions and other parameters from concurrent conservative and reactive tracer tests by local-in-global optimization. <b>2017</b> , 53, 4984-5001	20
483	Hybrid Cuckoo Search Based Evolutionary Vector Quantization for Image Compression. <b>2017</b> , 89-114	6
482	Multiple Diffusion Models to Compare Saccadic and Manual Responses for Inhibition of Return. <b>2017</b> , 29, 804-824	11
481	Are modern metaheuristics successful in calibrating simple conceptual rainfall-runoff models?. <b>2017</b> , 62, 606-625	16
480	Adaptive nesting of evolutionary algorithms for the optimization of Microgrid¶ sizing and operation scheduling. <b>2017</b> , 21, 4845-4857	8
479	Artificial Intelligence and Computer Vision. <b>2017</b> ,	6

478	A new hybrid real-coded genetic algorithm and its application to parameters identification of soils. <b>2017</b> , 25, 1343-1366	60
477	Short term hydro thermal scheduling using flower pollination algorithm. <b>2017</b> ,	3
476	Image Classification with Deep Belief Networks and Improved Gradient Descent. <b>2017</b> ,	4
475	Michigan-style fuzzy GBML with (1+1)-ES generation update and multi-pattern rule generation. <b>2017</b> ,	3
474	Implications of Measurement Assay Type in Design of HIV Experiments. <b>2017</b> , 2017, 4106-4111	
473	A new acquisition function for Bayesian optimization based on the moment-generating function. <b>2017</b> ,	18
472	Interactive genetic algorithm with implicit uncertainty evaluation for application in personalized search. <b>2017</b> ,	1
471	On enhancing genetic algorithms using new crossovers. <b>2017</b> , 55, 202	18
470	Fuel Cells. <b>2017</b> , 221-300	4
469	Random-guided search algorithm for complex functions. <b>2017</b> ,	0
468	A backtracking evolutionary algorithm for power systems. <b>2017</b> , 119, 01046	1
467	Self-Adaptive Evolutionary Computation Methods for GARCH Model Optimization. <b>2017</b> ,	
466	A Genetic Algorithm applied to pick sequencing for billing. <b>2018</b> , 29, 405-422	8
465	. <b>2018</b> , 6, 16363-16376	4
464	Residential micro-grid load management through artificial neural networks. <b>2018</b> , 17, 287-298	18
463	Flexible hydrofoil optimization for the 35th America's Cup with constrained EGO method. <b>2018</b> , 157, 62-72	7
462	Stress estimation in reservoirs using an integrated inverse method. <b>2018</b> , 114, 30-40	2
461	Hybrid Nature-Inspired Algorithms: Methodologies, Architecture, and Reviews. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 299-306	0.4 1

460	A comparative study of improved GA and PSO in solving multiple traveling salesmen problem. <b>2018</b> , 64, 564-580	59
459	Automated calibration of a two-dimensional overland flow model by estimating Manning's roughness coefficient using genetic algorithm. <b>2018</b> , 20, 440-456	4
458	Geoinformation from the Past. <b>2018</b> ,	2
457	A hierarchy in mutation of genetic algorithm and its application to multi-objective analog/RF circuit optimization. <b>2018</b> , 94, 27-47	2
456	Transmembrane NADH Oxidation with Tetracyanoquinodimethane. <b>2018</b> , 34, 5435-5443	9
455	Reactive model for autonomous vehicles formation following a mobile reference. <b>2018</b> , 61, 167-180	4
454	Vehicle route planning in e-waste mobile collection on demand supported by artificial intelligence algorithms. <b>2018</b> , 63, 1-22	47
453	Global DEMs to tackle RPC biases and the overfitting phenomenon in high-resolution satellite imagery. <b>2018</b> , 39, 6949-6968	2
452	Optimization of machining economics and energy consumption in face milling operations. <b>2018</b> , 99, 2093-2100	10
451	Modeling Corrosion in Suspension Bridge Main Cables. I: Annual Corrosion Rate. <b>2018</b> , 23, 04018025	8
450	Evolutionary programming with a simulated-conformist mutation strategy. <b>2018</b> , 22, 659-676	
449	Feature synthesis for image classification and retrieval via one-against-all perceptrons. <i>Neural Computing and Applications</i> , <b>2018</b> , 29, 943-957	4.8 3
448	Using genetic algorithms to optimize the analogue method for precipitation prediction in the Swiss Alps. <b>2018</b> , 556, 1220-1231	20
447	A Hybrid Metaheuristic for the Efficient Solution of GARCH with Trend Models. <b>2018</b> , 52, 145-166	1
446	Policy tree optimization for threshold-based water resources management over multiple timescales. <b>2018</b> , 99, 39-51	37
445	Comparative Study of Metrics That Affect in the Performance of the Bee Colony Optimization Algorithm Through Interval Type-2 Fuzzy Logic Systems. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 61-72	0.4 2
444	A hyper-heuristic approach to automated generation of mutation operators for evolutionary programming. <b>2018</b> , 62, 162-175	23
443	Conformational Space Annealing explained: A general optimization algorithm, with diverse applications. <b>2018</b> , 223, 28-33	12

442	A survey on simulation optimization for the manufacturing system operation. <b>2018</b> , 38, 116-127		24
441	Running-time analysis of evolutionary programming based on Lebesgue measure of searching space. <i>Neural Computing and Applications</i> , <b>2018</b> , 30, 617-626	4.8	1
440	Dynamic mutation in MAP-Elites for robotic repertoire generation. <b>2018</b> ,		7
439	Application of Evolutionary Algorithm to Allocate Resources in Wireless Networks with Carrier Aggregation. <b>2018</b> ,		
438	SATISFy: Towards a Self-Learning Analyzer for Time Series Forecasting in Self-Improving Systems. <b>2018</b> ,		3
437	Concurrent agent-based evolutionary computations as adaptive dataflows. <b>2018</b> , 30, e4702		0
436	HIV 2-LTR experiment design optimization. <b>2018</b> , 13, e0206700		2
435	Neural Network Evolving Algorithm Based on the Triplet Codon Encoding Method. <b>2018</b> , 9,		1
434	ITU-T G.657.B Consonant Single-mode Optical Fiber Design. <b>2018</b> ,		
433	Evolutionary algorithm for optimization of multilayer coatings. <b>2018</b> , 27, 106802		0
432	. <b>2018</b> ,		12
431	An Improved Genetic Algorithm with a New Initialization Mechanism Based on Regression Techniques. <b>2018</b> , 9, 167		16
430	Optimization using lion algorithm: a biological inspiration from lion's social behavior. <b>2018</b> , 11, 31-52		75
429	An Automated, High-Throughput Method for Interpreting the Tandem Mass Spectra of Glycosaminoglycans. <b>2018</b> , 29, 1802-1811		14
428	Soft computing hybrids for FOREX rate prediction: A comprehensive review. <i>Computers and Operations Research</i> , <b>2018</b> , 99, 262-284	4.6	35
427	MTLBO-MS: Modified teaching learning based optimization on multicore system. <b>2018</b> ,		
426	Finite-time model-assisted active disturbance rejection control with a novel parameters optimizer for hypersonic reentry vehicle subject to multiple disturbances. <b>2018</b> , 79, 588-600		18
425	Probability-directed random search algorithm for unconstrained optimization problem. <b>2018</b> , 71, 165-182		7

424	Glossary of Mathematical Optimization Terminology. <b>2018</b> , 13-237	2
423	Hybrid Metaheuristics for Image Analysis. <b>2018</b> ,	3
422	An Intelligent Parkinson's Disease Diagnostic System Based on a Chaotic Bacterial Foraging Optimization Enhanced Fuzzy KNN Approach. <b>2018</b> , 2018, 2396952	56
421	Born to learn: The inspiration, progress, and future of evolved plastic artificial neural networks. <b>2018</b> , 108, 48-67	48
420	Quantitative and qualitative correlation analysis of optimal route discovery for vehicular ad-hoc networks. <b>2018</b> , 25, 1732-1745	3
419	A hierarchical soft computing model for parameter estimation of curve fitting problems. <b>2018</b> , 22, 6937-6964	2
418	System identification and control parameter optimization for a stylus profiler with exchangeable cantilevers. <b>2018</b> , 21, 117-121	0
417	Optimal Design of a Planar Textile Antenna for Industrial Scientific Medical (ISM) 2.4 GHz Wireless Body Area Networks (WBAN) with the CRO-SL Algorithm. <b>2018</b> , 18,	19
416	A hybrid mobile call fraud detection model using optimized fuzzy C-means clustering and group method of data handling-based network. <b>2018</b> , 5, 205-217	5
415	An Omnidirectional Biomechanical Energy Harvesting (OBEH) Sidewalk Block for a Self-Generative Power Grid in a Smart City. <b>2018</b> , 5, 507-517	23
414	Estimation distribution algorithms on constrained optimization problems. <b>2018</b> , 339, 323-345	11
413	Modeling of Light-Induced Changes in Reflectance Spectra: A Predictive Tool for the Effect of an Arbitrary Spectral Irradiance. <b>2019</b> , 64, 54-61	7
412	Gnowee: A Hybrid Metaheuristic Optimization Algorithm for Constrained, Black Box, Combinatorial Mixed-Integer Design. <b>2019</b> , 205, 542-562	4
411	Computational Modeling Reveals Frequency Modulation of Calcium-cAMP/PKA Pathway in Dendritic Spines. <b>2019</b> , 117, 1963-1980	15
410	KI 2019: Advances in Artificial Intelligence. <i>Lecture Notes in Computer Science</i> , <b>2019</b> ,	0.9
409	Polyunsaturated fatty acid production by <i>Yarrowia lipolytica</i> employing designed myxobacterial PUFA synthases. <b>2019</b> , 10, 4055	47
408	Logical design of oral glucose ingestion pattern minimizing blood glucose in humans. <b>2019</b> , 5, 31	2
407	A Review of Computational Methods for Clustering Genes with Similar Biological Functions. <b>2019</b> , 7, 550	3

406	Understanding the Brain Function and Emotions. <i>Lecture Notes in Computer Science</i> , <b>2019</b> ,	0.9	2
405	Automating Autoencoder Architecture Configuration: An Evolutionary Approach. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 339-349	0.9	3
404	A method for performance analysis of a genetic algorithm applied to the problem of fuel consumption minimization for heavy-duty vehicles. <b>2019</b> , 80, 735-741		1
403	Genetic algorithm-based cellular network optimisation considering positioning applications. <b>2019</b> , 13, 879-891		3
402	Chaos-Induced and Mutation-Driven Schemes Boosting Salp Chains-Inspired Optimizers. <b>2019</b> , 7, 31243-31261		62
401	A Coral Reefs Optimization algorithm with substrate layer for robust Wi-Fi channel assignment. <b>2019</b> , 23, 12621-12640		14
400	Optimizing I/O Performance of HPC Applications with Autotuning. <b>2019</b> , 5, 1-27		11
399	Application I: Topics and challenges in machine translation, robotics, and biological sciences. <b>2019</b> , 287-298		
398	Multi-strategy boosted mutative whale-inspired optimization approaches. <b>2019</b> , 73, 109-123		98
397	Towards Design of Self-Organizing Biomimetic Systems. <b>2019</b> , 3, e1800320		1
396	An efficient chaotic mutative moth-flame-inspired optimizer for global optimization tasks. <i>Expert Systems With Applications</i> , <b>2019</b> , 129, 135-155	7.8	142
395	A variables neighborhood search algorithm for solving fuzzy quadratic programming problems using modified KerreĒ method. <b>2019</b> , 23, 12305-12315		1
394	Ensemble classification for imbalanced data based on feature space partitioning and hybrid metaheuristics. <b>2019</b> , 49, 2807-2822		22
393	Bioinspired nonequilibrium search for novel materials. <b>2019</b> , 44, 96-105		5
392	Kriging-assisted topology optimization of crash structures. <b>2019</b> , 348, 730-752		42
391	Differential evolution with k-nearest-neighbour-based mutation operator. <b>2019</b> , 19, 538		
390	Learning Time-Series Data of Industrial Design Optimization using Recurrent Neural Networks. <b>2019</b> ,		1
389	Empirical Study of Population-Based Dynamic Constrained Multimodal Optimization Algorithms. <b>2019</b> ,		0

388 . 2019,

387 On the Efficiency of a Point Cloud Autoencoder as a Geometric Representation for Shape Optimization. **2019**, 8

386 Genetic Algorithms for the Optimization of Diffusion Parameters in Content-Based Image Retrieval. **2019**, 8

385 An unconstrained minimization technique using successive implementations of Golden Search algorithm. **2019**, 0

384 A Mahalanobis Distance-Based Fitness Approximation Method for Estimation of Distribution Algorithms in Solving Expensive Optimization Problems. **2019**,

383 PyRates-A Python framework for rate-based neural simulations. **2019**, 14, e0225900 3

382 Application of Flower Pollination Algorithm for Solving Short Term Hydro Thermal Scheduling Problem with Prohibited Operating Zones. **2019**, 1

381 Performance Assessment of Metaheuristic Algorithms for Structural Optimization Taking into Account the Influence of Control Parameters. **2019**, 93-101 1

380 Selection of equipment modules for a flexible modular production plant by a multi-objective evolutionary algorithm. **2019**, 123, 196-221 11

379 Optimization Techniques: An Overview. **2019**, 1-11 2

378 Selective Pressure Strategy in differential evolution: Exploitation improvement in solving global optimization problems. *Swarm and Evolutionary Computation*, **2019**, 50, 100463 9.8 32

377 DENSER: deep evolutionary network structured representation. *Genetic Programming and Evolvable Machines*, **2019**, 20, 5-35 2 45

376 Diameter prediction and optimization of hot extrusion-synthesized polypropylene filament using statistical and soft computing techniques. **2019**, 30, 1957-1972 8

375 Prediction and optimization by using SVR, RSM and GA in hard turning of tempered AISI 1060 steel under effective cooling condition. *Neural Computing and Applications*, **2019**, 31, 2349-2370 4.8 29

374 A novel modified BSA inspired by species evolution rule and simulated annealing principle for constrained engineering optimization problems. *Neural Computing and Applications*, **2019**, 31, 4157-4184 4.8 15

373 Application of an evolutionary algorithm-based ensemble model to job-shop scheduling. **2019**, 30, 879-890 14

372 Reviewing and Benchmarking Parameter Control Methods in Differential Evolution. **2020**, 50, 1170-1184 18

371 Gaussian mutational chaotic fruit fly-built optimization and feature selection. *Expert Systems With Applications*, **2020**, 141, 112976 7.8 123

370	Electron radar search algorithm: a novel developed meta-heuristic algorithm. <b>2020</b> , 24, 8443-8465	3
369	Performance enhancement of swarm intelligence techniques in dementia classification using dragonfly-based hybrid algorithms. <b>2020</b> , 30, 57-74	5
368	. <b>2020</b> , 35, 831-839	12
367	Point defect model for the corrosion of steels in supercritical water: Part I, film growth kinetics. <b>2020</b> , 163, 108280	69
366	Multicriteria Portfolio Construction with Python. <b>2020</b> ,	1
365	XOR Binary Gravitational Search Algorithm with Repository: Industry 4.0 Applications. <b>2020</b> , 10, 6451	2
364	PSO-GA based hybrid with Adam Optimization for ANN training with application in Medical Diagnosis. <b>2020</b> , 64, 191-199	18
363	Unsupervised search of low-lying conformers with spectroscopic accuracy: A two-step algorithm rooted into the island model evolutionary algorithm. <b>2020</b> , 153, 124110	11
362	FedVision: Federated Video Analytics With Edge Computing. <b>2020</b> , 1, 62-72	7
361	An efficient equilibrium optimizer with mutation strategy for numerical optimization. <b>2020</b> , 96, 106542	34
360	Diffusion Parameters Analysis in a Content-Based Image Retrieval Task for Mobile Vision. <b>2020</b> , 20,	
359	An Improved Local Search Genetic Algorithm with a New Mapped Adaptive Operator Applied to Pseudo-Coloring Problem. <b>2020</b> , 12, 1684	3
358	A PROGNOSTIC IMMUNOTHERAPY MODEL FOR 4T1 BREAST CANCER WITH COMBINED CYCLOPHOSPHAMIDE AND TLR AGONIST. <b>2020</b> , 28, 65-90	1
357	EvoAAA: An evolutionary methodology for automated neural autoencoder architecture search. <b>2020</b> , 27, 211-231	6
356	Reliability-based simplification of Bouc-Wen model and parameter identification using a new hybrid algorithm. <b>2020</b> , 27, 297-308	3
355	Quantum-like mutation-induced dragonfly-inspired optimization approach. <b>2020</b> , 178, 259-289	16
354	Contribution of a bioenergetics model to investigate the growth and survival of European seabass in the Bay of Biscay [English Channel area. <b>2020</b> , 423, 109007	4
353	Model calibration to simulate driving recommendations for traffic flow optimization in oversaturated city traffic. <b>2020</b> , 170, 482-489	1



352	A systematic evaluation of the evidence for perceptual control theory in tracking studies. <b>2020</b> , 112, 616-633	7
351	Differential Evolution: A review of more than two decades of research. <b>2020</b> , 90, 103479	124
350	Coupling Soft Computing, Simulation and Optimization in Supply Chain Applications: Review and Taxonomy. <b>2020</b> , 8, 31710-31732	4
349	The combined effect of optimal control and swarm intelligence on optimization of cancer chemotherapy. <b>2020</b> , 189, 105327	8
348	A competitive chain-based Harris Hawks Optimizer for global optimization and multi-level image thresholding problems. <b>2020</b> , 95, 106347	47
347	A Novel Genetic Algorithm for Global Optimization. <b>2020</b> , 36, 482-491	3
346	A Comparison of Extremal Optimization, Differential Evolution and Particle Swarm Optimization Methods for Well Placement Design in Groundwater Management. <b>2021</b> , 53, 711-735	1
345	Evolving Deep Neural Networks via Cooperative Coevolution With Backpropagation. <b>2021</b> , 32, 420-434	6
344	Concurrent optimization of process parameters and product design variables for near net shape manufacturing processes. <b>2021</b> , 32, 611-631	1
343	Towards intelligent design optimization: Progress and challenge of design optimization theories and technologies for plastic forming. <b>2021</b> , 34, 104-123	3
342	A new logistic distribution based crossover operator for real-coded genetic algorithm. <b>2021</b> , 91, 817-835	3
341	Efficient large scale global optimization through clustering-based population methods. <i>Computers and Operations Research</i> , <b>2021</b> , 127, 105165	4.6 1
340	Exergoeconomic optimization of a forward feed multi-effect desalination system with and without energy recovery. <b>2021</b> , 499, 114808	18
339	Introduction of a time series machine learning methodology for the application in a production system. <b>2021</b> , 47, 101197	2
338	Optimal kinematic synthesis of 6 bar rack and pinion Ackerman steering linkage. <b>2021</b> , 235, 1660-1669	3
337	Nature-Inspired Optimization Algorithms Applied for Solving Charging Station Placement Problem: Overview and Comparison. <b>2021</b> , 28, 91-106	11
336	Introduction. <b>2021</b> , 1-6	
335	Co-Evolutionary Niching Differential Evolution Algorithm for Global Optimization. <b>2021</b> , 9, 128095-128105	0

334	. <b>2021</b> , 9, 96353-96366	3
333	Conditional Automated Channel Pruning for Deep Neural Networks. <b>2021</b> , 1-1	0
332	SGOA: annealing-behaved grasshopper optimizer for global tasks. 1	67
331	Floorplanning for Area Optimization Using Parallel Particle Swarm Optimization and Sequence Pair. <b>2021</b> , 118, 323-342	2
330	A bioinformatic variant fruit fly optimizer for tackling optimization problems. <b>2021</b> , 213, 106704	15
329	Model-based optimization of ARINC-653 partition scheduling. 1	3
328	Optimization framework for DFG-based automated process discovery approaches. <b>2021</b> , 20, 1245-1270	
327	Performance Assessment of Metaheuristic Algorithms for Structural Optimization Taking Into Account the Influence of Algorithmic Control Parameters. <b>2021</b> , 7,	2
326	An Integrated Application of IoT-Based WSN in the Field of Indian Agriculture System Using Hybrid Optimization Technique and Machine Learning. <b>2021</b> , 171-187	1
325	Chaotic Evolutionary Programming for an Engineering Optimization Problem. <b>2021</b> , 11, 2717	2
324	Optimization and estimation of reliability indices and cost of Power Distribution System of an urban area by a noble fuzzy-hybrid algorithm. <b>2021</b> , 102, 107078	2
323	A hybrid Harris hawks-moth-flame optimization algorithm including fractional-order chaos maps and evolutionary population dynamics. <b>2021</b> , 154, 102973	17
322	. <b>2021</b> ,	0
321	Automatic wavelet-based 3D nuclei segmentation and analysis for multicellular embryo quantification. <b>2021</b> , 11, 9847	1
320	A neural architecture search method based on gradient descent for remaining useful life estimation. <b>2021</b> , 438, 184-194	7
319	Memetic Harris Hawks Optimization: Developments and perspectives on project scheduling and QoS-aware web service composition. <i>Expert Systems With Applications</i> , <b>2021</b> , 171, 114529	7.8 18
318	Performance comparison of modified elephant herding optimization tuned MPPT for PV based solar energy systems. <b>2021</b> , ahead-of-print,	2
317	A Differential Evolution with Multi-factor Ranking Based Parameter Adaptation for Global Optimization. <b>2021</b> ,	0

316	Towards an adaptable quality monitoring process for self-piercing riveting. <b>2021</b> , 1157, 012001		
315	A review of heuristics and metaheuristics for community detection in complex networks: Current usage, emerging development and future directions. <i>Swarm and Evolutionary Computation</i> , <b>2021</b> , 63, 100885	9.8	5
314	Seeking a balance between population diversity and premature convergence for real-coded genetic algorithms with crossover operator. 1		2
313	Evolutionary reinforcement learning for sparse rewards. <b>2021</b> ,		1
312	FOGA: Flag Optimization with Genetic Algorithm. <b>2021</b> ,		0
311	Manta ray foraging and Gaussian mutation-based elephant herding optimization for global optimization. 1		1
310	Gradient-Free Optimization in Thermoacoustics: Application to a Low-Order Model. <b>2021</b> ,		
309	Evolutionary Convolutional Neural Network Optimization with Cross-Tasks Transfer Strategy. <b>2021</b> , 10, 1857		0
308	Hyper-heuristic approach: automatically designing adaptive mutation operators for evolutionary programming. 1		0
307	Real power loss reduction by enhanced Apple Maggot optimization algorithm. <b>2021</b> , 12, 1385		1
306	Ennoble class topper optimization algorithm based fuzzy PI-PD controller for micro-grid. 1		1
305	Topology Optimization of 3D-printed joints under crash loads using Evolutionary Algorithms. 1		5
304	Classification of COVID-19 in X-ray images with Genetic Fine-tuning. <b>2021</b> , 96, 107467		1
303	Parallel hyper-heuristics for process engineering optimization. <b>2021</b> , 153, 107440		2
302	Optimal foraging algorithm with direction prediction. <b>2021</b> , 111, 107660		0
301	Application Mapping. <b>2021</b> , 295-348		
300	Genetic Algorithms: Introduction and Applications.		6
299	Genetic and Evolutionary Algorithms.		14

298	Assuring the Behavior of Adaptive Agents. <b>2006</b> , 227-257		4
297	Modular Design of Irreducible Systems. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 534-545	0.9	1
296	Hybridisation of Particle Swarm Optimization and Fast Evolutionary Programming. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 392-399	0.9	2
295	Regularization for Parameter Identification Using Multi-Objective Optimization. <b>2006</b> , 125-149		2
294	Non-homogeneous Classifier Systems in a Macro-evolution Process. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 161-174	0.9	4
293	Spatial Operators for Evolving Dynamic Bayesian Networks From Spatio-temporal Data. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 2360-2371	0.9	3
292	An Emperical Study on GAs Without Parameters. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 315-324	0.9	37
291	The Biological Concept of Neoteny in Evolutionary Color Image Segmentation - Simple Experiments in Simple Non-memetic Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 364-373	0.9	2
290	Robust Evolution Strategies. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 10-17	0.9	2
289	Genetic algorithms with multi-parent recombination. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 78-87	0.9	141
288	Estimating the heritability by decomposing the genetic variance. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 98-107	0.9	3
287	An evolutionary algorithm for integer programming. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 139-148	0.9	55
286	Evolution strategies on noisy functions how to improve convergence properties. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 159-168	0.9	37
285	Strategy adaptation by competing subpopulations. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 199-208	0.9	65
284	Hybrid adaptive heuristic critic architectures for learning in mazes with continuous search spaces. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 482-491	0.9	6
283	Soft genetic operators in Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , <b>1995</b> , 123-141	0.9	17
282	Orgy in the computer: Multi-parent reproduction in genetic algorithms. <i>Lecture Notes in Computer Science</i> , <b>1995</b> , 934-945	0.9	31
281	Evolution strategies: An alternative evolutionary algorithm. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 1-20	0.9	7

280	The artificial evolution of cooperation. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 159-180	0.9	4
279	Intelligent mutation rate control in canonical genetic algorithms. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 158-167	0.9	80
278	Mutation by imitation in boolean evolution strategies. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 356-365	0.9	6
277	Learning heuristics for OBDD minimization by Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 730-739	0.9	10
276	The influence of different coding schemes on the computational complexity of genetic algorithms in function optimization. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 227-235	0.9	9
275	Multi-parent's niche: N-ary crossovers on NK-landscapes. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 319-328	0.9	12
274	A retrospective view and outlook on evolutionary algorithms. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 337-342	0.9	1
273	Genetic algorithms, schemata construction and statistics. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 16-23	0.9	1
272	Encyclopedia of Optimization. <b>2008</b> , 1254-1257		1
271	An Introduction to Interacting Simulated Annealing. <b>2008</b> , 319-345		5
270	Encyclopedia of Operations Research and Management Science. <b>2013</b> , 517-527		2
269	A Probabilistic Model of Size Drift. <b>2003</b> , 119-135		6
268	Optimisation of a Stator Blade Used in a Transonic Compressor Cascade with Evolution Strategies. <b>2000</b> , 45-54		15
267	Maximum Entropy Image Restoration by Evolutionary Algorithm. <b>1999</b> , 421-431		1
266	A Hierarchical Genetic Algorithm for System Identification and Curve Fitting with a Supercomputer Implementation. <b>1999</b> , 111-137		4
265	Evolutionary Based Learning of Fuzzy Controllers. <b>1997</b> , 249-268		2
264	A New Local Search Adaptive Genetic Algorithm for the Pseudo-Coloring Problem. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 349-361	0.9	3
263	Evolving Game-Specific UCB Alternatives for General Video Game Playing. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 393-406	0.9	5

262	Augmented Brain Storm Optimization with Mutation Strategies. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 949-959	0.9	2
261	An Evolution Strategy Using a Continuous Version of the Gray-Code Neighbourhood Distribution. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 725-736	0.9	12
260	Numerical Optimization with Real-Valued Estimation-of-Distribution Algorithms. <b>2006</b> , 91-120		16
259	A Selected Introduction to Evolutionary Computation. <b>2005</b> , 3-12		0
258	Aerodynamic Design of Transonic Adaptive Airfoils with Natural Transition. <b>2003</b> , 85-103		4
257	Maintaining Population Diversity in Evolution Strategy for Engineering Problems. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 379-387	0.9	3
256	Designing Multi-objective Variation Operators Using a Predator-Prey Approach. <b>2007</b> , 21-35		8
255	On Advantages of Scheduling Using Genetic Fuzzy Systems. <b>2006</b> , 68-93		7
254	Building on Success in Genetic Programming: Adaptive Variation and Developmental Evaluation. <b>2007</b> , 137-146		6
253	Evolving Cultural Learning Parameters in an NK Fitness Landscape. <b>2007</b> , 304-314		3
252	A Hybrid Cellular Genetic Algorithm for the Capacitated Vehicle Routing Problem. <b>2008</b> , 379-422		11
251	Computational Intelligence Algorithms and DNA Microarrays. <b>2008</b> , 1-31		1
250	An Island Based Hybrid Evolutionary Algorithm for Optimization. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 180-189	0.9	4
249	The Rationale Behind Seeking Inspiration from Nature. <b>2009</b> , 51-76		9
248	The Evolutionary-Gradient-Search Procedure in Theory and Practice. <b>2009</b> , 77-101		2
247	Hybrid Evolutionary Algorithm for Solving Global Optimization Problems. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 310-318	0.9	12
246	Evolution of Neural Organization in a Hydra-Like Animat. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 216-223		2
245	Dynamic Data Clustering Using Stochastic Approximation Driven Multi-Dimensional Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 336-343	0.9	1

244	Threshold Selection, Mitosis and Dual Mutation in Cooperative Co-evolution: Application to Medical 3D Tomography. <b>2010</b> , 414-423		4
243	Adaptive Intelligence Applied to Numerical Optimisation. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 280-288		1
242	Evolution of Strategies for Resource Protection Problems. <b>2003</b> , 367-392		3
241	Fast Evolutionary Algorithms. <b>2003</b> , 45-94		38
240	The Ant Colony Optimization Paradigm for Combinatorial Optimization. <b>2003</b> , 539-557		4
239	Random Lines: A Novel Population Set-Based Evolutionary Global Optimization Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 97-107	0.9	2
238	Investigation of Genetic Algorithms with Self-Adaptive Crossover, Mutation, and Selection. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 116-123	0.9	4
237	An Improved Differential Evolution Algorithm for Optimization Problems. <b>2011</b> , 233-238		1
236	Comparing Support Vector Regression and Statistical Linear Regression for Predicting Poverty Incidence in Vietnam. <b>2012</b> , 251-265		1
235	Harmony Search Algorithms for binary optimization problems. <b>2012</b> , 343-348		9
234	Automated Design of Probability Distributions as Mutation Operators for Evolutionary Programming Using Genetic Programming. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 85-96	0.9	14
233	Fitness Landscape-Based Characterisation of Nature-Inspired Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 110-119	0.9	1
232	Optimising an Agent-Based Model to Explore the Behaviour of Simulated Burglars. <b>2014</b> , 179-204		3
231	An Introduction to Evolutionary Algorithms. <b>1995</b> , 3-43		3
230	Improving a Fuzzy Inference System by Means of Evolution Strategy. <b>1994</b> , 186-195		3
229	What is an Evolutionary Algorithm?. <b>2003</b> , 15-35		8
228	High-Throughput Experimentation in the Development of Heterogeneous Catalysts. <b>2004</b> , 259-279		2
227	Structure Determination by Quantitative High-Resolution Transmission Electron Microscopy. <b>2003</b> , 69-118		3

226	A New Optimization Method Based on Adaptive Social Behavior: ASBO. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 823-831	0.4	6
225	A Simplex-Crossover-Based Multi-Objective Evolutionary Algorithm. <b>2014</b> , 583-598		5
224	An Evolutionary Strategy for The Design and Evaluation of High-Throughput Experiments. <b>2002</b> , 125-133		7
223	Direct Dynamics Method for the Calculation of Reaction Rates. <b>1995</b> , 229-255		99
222	Joint Feature Selection and Parameter Tuning for Short-Term Traffic Flow Forecasting Based on Heuristically Optimized Multi-layer Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 91-100	0.4	7
221	A Heuristically Optimized Complex Event Processing Engine for Big Data Stream Analytics. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 101-111	0.4	3
220	Lion Algorithm and Its Applications. <b>2020</b> , 100-118		8
219	A Review on Complex System Engineering. <b>2020</b> , 33, 1755-1784		2
218	Evolutionary Algorithms. <b>2003</b> , 259-267		1
217	Order Statistics for Convergence Velocity Analysis of Simplified Evolutionary Algorithms. <b>1995</b> , 91-102		3
216	Greedy Recombination and Genetic Search on the Space of Computer Programs. <b>1995</b> , 3, 271-297		5
215	Selective-candidate framework with similarity selection rule for evolutionary optimization. <i>Swarm and Evolutionary Computation</i> , <b>2020</b> , 56, 100696	9.8	4
214	Evolutionary design of photometric systems and its application to Gaia. <b>2004</b> , 419, 385-403		8
213	Propagation d'impulsions femtosecondes téawatts dans l'atmosphère et applications. <b>2005</b> , 30, 1-154		3
212	Computational modeling reveals frequency modulation of calcium-cAMP/PKA pathway in dendritic spines.		6
211	Mutation parameters. <b>2000</b> , 142-151		2
210	Discrete approaches in evolution strategies based optimum design of steel frames. <b>2007</b> , 26, 191-210		5
209	Holographic augmented reality based on three-dimensional volumetric imaging for a photorealistic scene. <b>2020</b> , 28, 35972-35985		2



208	Inevitable evolutionary temporal elements in neural processing: a study based on evolutionary simulations. <b>2008</b> , 3, e1863	1
207	An Adaptive Neighboring Search using Crossover-like Mutation for Deceptive Multimodal Function Optimization. <b>2001</b> , 16, 175-184	7
206	Towards Design Optimization with OpenModelica Emphasizing Parameter Optimization with Genetic Algorithms. <b>2011</b> ,	5
205	A Normal Distribution Crossover for pMOEA. <b>2009</b> , 20, 305-314	9
204	A Rigorous Analysis of the Harmony Search Algorithm. 72-83	6
203	Identification of Helicopter Dynamics based on Flight Data using Nature Inspired Techniques. <b>2015</b> , 6, 38-52	4
202	Vector Evaluated and Objective Switching Approaches of Artificial Bee Colony Algorithm (ABC) for Multi-Objective Design Optimization of Composite Plate Structures. <b>2011</b> , 2, 1-26	9
201	Evolutionary Algorithm Based Approach for Modeling Autonomously Trading Agents. <b>2014</b> , 06, 45-54	3
200	The Analysis of Peculiar Control Parameters of Artificial Bee Colony Algorithm on the Numerical Optimization Problems. <b>2014</b> , 02, 127-136	13
199	The PID Controller Based on the Artificial Neural Network and the Differential Evolution Algorithm. <b>2012</b> , 7,	14
198	iZindaba Zokudla: A conversation about food systems change in South Africa. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 1-14	2.4 2
197	Function Optimization and Event Clustering by Adaptive Differential Evolution. <b>2002</b> , 12, 451-461	5
196	Mutation Strategy Based on Step Size and Survival Rate for Evolutionary Programming. <b>2021</b> , 2021, 1-13	0
195	Spatiotemporal forecasting in earth system science: Methods, uncertainties, predictability and future directions. <b>2021</b> , 222, 103828	6
194	Optimization of Power Plant Design: Stochastic and Adaptive Solution Concepts. <b>2000</b> , 3-18	
193	Two Evolutionary Approaches to Design Phase Plate for Tailoring Focal-Plane Irradiance Profile. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 266-276	0.9
192	Learning User Preferences in Case-Based Software Reuse. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 112-123	3
191	References. <b>2001</b> , 475-495	

190	On Performance Estimates for Two Evolutionary Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 161-171	0.9	
189	Encyclopedia of Operations Research and Management Science. <b>2001</b> , 264-269		1
188	An Adaptive Neighboring Search using Crossover-like Mutation for Function Optimization. <b>2001</b> , 2001, 131-136		
187	Modeling Adaptive Multi-Agent Systems Inspired by Developmental Biology. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 221-229	0.9	1
186	Synthesizing Graphical Models Employing Explaining Away. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 749-758	0.9	
185	Evolving Agents for Global Optimization. <b>2003</b> , 281-292		
184	Self-Adapting Neural Networks for Mobile Robots. <b>2003</b> , 173-197		
183	Developing Agents Populations with Ethogenetics. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 61-70	0.9	
182	Evolutionary Dynamics Identification of Multi-Link Manipulators Using Runge-Kutta-Gill RBF Networks. <b>2003</b> , 208-222		
181	Solving Transshipment Problem using EAs: How Good are the Solutions?. <b>2004</b> , 124, 1964-1971		
180	Comparing Search Algorithms for the Temperature Inversion Problem. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 1340-1351	0.9	
179	Evolution Strategies Based Particle Filters for Nonlinear State Estimation. <b>2004</b> , 2004, 112-117		
178	A Mixed Mutation Strategy Evolutionary Programming Combined with Species Conservation Technique. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 593-602	0.9	2
177	River Water Quality Calibration. 331		
176	Evolutionary Segmentation of Texture Image Using Perturbation Optimization. <b>2006</b> , 126, 513-518		
175	A Selection Scheme for Excluding Defective Rules of Evolutionary Fuzzy Path Planning. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 747-756	0.9	2
174	Make Fast Evolutionary Programming Robust by Search Step Control. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 806-815	0.9	
173	COMMONS GAME Made More Exciting by an Intelligent Utilization of the Two Evolutionary Algorithms. <b>2007</b> , 1-16		4

172	Genetic Algorithm for Optimization of Multiple Objectives in Knowledge Discovery from Large Databases. <b>2008</b> , 1-22		3
171	Correlation between Mutations and Self-adaptation in Evolutionary Programming. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 58-66	0.9	2
170	Proposal and Evaluation of Functionally Specialized CMA-ES. <b>2009</b> , 24, 58-68		3
169	Genetic Algorithms for Multiple-Choice Optimisation Problems.		2
168	Self-adaptation in Fast Evolutionary Programming. <i>Communications in Computer and Information Science</i> , <b>2009</b> , 232-239	0.3	
167	Optimization of Shells Under Cyclic Crack Growth. <b>2010</b> , 135-155		
166	Evolutionary Programming Improved by an Individual Random Difference Mutation. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 338-343	0.9	
165	Emergent Distribution of Computational Workload in the Evolution of an Undulatory Animat. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 587-596	0.9	
164	Measurements in Fast Evolutionary Programming. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 79-86	0.3	
163	Effects of Initial Search Bound on the Performance of Self-adaptive Evolutionary Computation Methods. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 314-324	0.3	
162	A Novel Method of Neural Network Optimized Design Based on Biologic Mechanism. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 331-338	0.9	
161	Runtime Analysis of Evolutionary Programming Based on Cauchy Mutation. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 222-229	0.9	
160	A Differential Evolution Based Approach to Estimate the Shape and Size of Complex Shaped Anomalies Using EIT Measurements. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 206-215 <sup>0.3</sup>	0.3	
159	Improved Real Quantum Evolutionary Algorithm for Optimum Economic Load Dispatch with Non-convex Loads. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 689-700	0.9	1
158	Hybrid Evolutionary Algorithms Design Based on Their Advantages. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 200-210	0.9	
157	Regression Testing of Bug-Fixes with AI Techniques. <b>2011</b> , 345-354		
156	Particle Swarm Optimisation. <b>2011</b> , 23-74		
155	Encyclopedia of the Sciences of Learning. <b>2012</b> , 2992-2993		

154	Splitting Method for Spatio-temporal Sensors Deployment in Underwater Systems. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 243-254	0.9	1
153	Automatic termination of parallel optimization runs of stochastic global optimization methods in consensus or stagnation cases. <b>2012</b> , 1, 1-5		3
152	Computational Intelligence Technologies for Product Design. <b>2012</b> , 25-57		
151	Simulated Mutation in Differential Evolution. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 61-76	0.3	
150	Introduction: Applications & Motivations. <b>2013</b> , 1-39		
149	Power System by Variable Scaling Hybrid Differential Evolution. <b>2013</b> , 505-512		
148	Application of Self-adapting Genetic Algorithms to Generate Fuzzy Systems for a Regression Problem. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 49-61	0.9	
147	An Integrated Bi-Objective Reverse Logistics Network Design for Remanufacturing. <b>2014</b> , 281-316		
146	Online Performance Measures for Metaheuristic Optimization. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 169-182	0.9	
145	The Research on Controlling the Iteration of Quantum-Inspired Evolutionary Algorithms for Artificial Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 253-262	0.9	0
144	The Grand Challenges in Natural Computing Research. <b>2014</b> , 237-250		
143	A Modeling of Biological-oriented Manufacturing Systems with Two Types of Populations. <b>1994</b> , 75-80		
142	An Introduction to Evolutionary Computation and Its Applications. <b>1994</b> , 323-331		1
141	Effects of Occam's razor in evolving Sigma-Pi neural nets. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 462-471	0.9	0
140	An evolutionary algorithm for the routing of multi-chip modules. <i>Lecture Notes in Computer Science</i> , <b>1994</b> , 588-597	0.9	3
139	Recent trends in computational electromagnetics for analysis and design. <b>1995</b> , 6, 195-198		
138	Evolving Cascade-Correlation Networks for Time-Series Forecasting. <b>1995</b> , 497-506		
137	Evolutionary Optimisation of a Stochastic Inventory Simulation. <b>1995</b> , 466-471		1

136	Entwurf diskriminativer Merkmalstransformationen für die Spracherkennung mit naturanalogen Verfahren. <b>1995</b> , 52-59		
135	Seafloor Map Generation for Autonomous Underwater Vehicle Navigation. <b>1996</b> , 71-94		
134	Analysis of possible genome-dependence of mutation rates in genetic algorithms. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 257-268	0.9	
133	Evolutionary exploration of search spaces. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 178-188	0.9	1
132	An evolution strategy for on-line optimisation of dynamic objective functions. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 781-790	0.9	2
131	On evolving intelligence. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 149-157	0.9	
130	Evolutionary Computation in Practice. <b>1997</b> ,		
129	Evolutionary Computation Models. <b>1997</b> ,		1
128	Evolutionäre Programmierung. <b>1997</b> , 195-216		1
127	Evolutionary Computation Implementations. <b>1997</b> ,		
126	Asymmetric mutations for stochastic search. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 713-722	0.9	
125	Genetic Algorithms and Evolution Strategies Applied in Identification and Control: Case Study. <b>1998</b> , 430-438		
124	Experimental Results of a Michigan-like Evolution Strategy for Non-stationary Clustering. <b>1998</b> , 555-559		
123	Parameter Estimation Methods. <b>1999</b> , 199-398		
122	Dynamic Control of Adaptive Parameters in Evolutionary Programming. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 42-49	0.9	3
121	Function Approximation Using Tensor Product Bernstein Polynomials- Neuro & Evolutionary Approaches. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 625-631	0.9	
120	Recent New Development in Evolutionary Programming. <b>1999</b> , 30-56		
119	Free Search in Multidimensional Space II. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 103-111	0.9	2

- 118 Genome Variations. *Advances in Intelligent Systems and Computing*, **2016**, 309-319 0.4
- 117 Truss Structure Optimization Using Co-variance Based Artificial Bee Colony Algorithm. *Lecture Notes in Computer Science*, **2016**, 174-183 0.9
- 116 Evolutionary Computing to Examine Variation in Proteins with Evolution. **2016**, 185-200
- 115 Fundamental Evolutionary Algorithms. *Texts in Computer Science*, **2016**, 245-297 0.4
- 114 Evolutionary Strategies. **2016**, 83-91
- 113 Presenting the ECO: Evolutionary Computation Ontology. *Lecture Notes in Computer Science*, **2017**, 603-619 2
- 112 Thermo-hydro-mechanical model parameters adjustment via a distributed scientific workflow system. **2017**, 84, 46-52
- 111 American Put Option Pricing Using a Hybrid Evolutionary Computation and Monte-Carlo Simulation Method.
- 110 Guanine-nucleotide Exchange Modulator, GIV/Girdin, Serves as a Tunable Valve for Growth Factor-Stimulated Cyclic AMP Signals. 0
- 109 Rugged Landscape: Complexity, Evolution and Self-Adaptation.
- 108 Image Segmentation Using Metaheuristic-Based Deformable Models. **2018**, 145-161
- 107 MULTI-PRODUCT MASTER PRODUCTION SCHEDULING OPTIMIZATION MODELLING USING MIXED INTEGER LINEAR PROGRAMMING AND GENETIC ALGORITHMS. **2018**, 6, 78-92 1
- 106 Logical design of oral glucose ingestion pattern minimizing blood glucose in humans.
- 105 Optimizing Resource Allocation of Wireless Networks with Carrier Aggregation Using Evolutionary Programming. **2019**, 27-41 1
- 104 Introduction. **2019**, 1-8
- 103 Foundations of Evolutionary Algorithms. **2019**, 9-22
- 102 Guidelines for a suitable encoding. **2018**, 198-200
- 101 Real-valued vectors. **2018**, 174-176

100	Reducing Search Space of Genetic Algorithms for Fast Black Box Attacks on Image Classifiers. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 115-122	0.9
99	Optimization of Configuration Parameter Set in Video Analysis. <b>2019</b> , 7, 130-133	1
98	Simulation Optimization in the DEDS Domain. <b>2019</b> , 369-379	
97	On-load Back-EMF Optimization Based on the Back-EMF MST Method and Parametric Optimization. <b>2019</b> , 18, 358-376	
96	Evolutionary Computation. <b>2020</b> , 681-803	1
95	An Adaptive Differential Evolution Algorithm with Restart for Solving Continuous Optimization Problems. <b>2020</b> , 15, 254-269	1
94	WaveletSEG: Automatic wavelet-based 3D nuclei segmentation and analysis for multicellular embryo quantification.	0
93	A Genetic-Based SVM Approach for Quality Data Classification. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 15-31	0.4 1
92	Multi-objective optimization methods in novel drug design. <b>2021</b> , 16, 647-658	4
91	An amended grey wolf optimization with mutation strategy to diagnose bucket defects in Pelton wheel. <b>2022</b> , 187, 110272	5
90	Using Matrix Factorization and Evolutionary Strategy to Develop a Latent Factor Recommendation System for an Offline Retailer. <b>2021</b> , 199-211	
89	Multicriteria Decision Analysis Methods. <b>2020</b> , 19-34	
88	Reducing the Risk of Premature Birth Through an Expert System Based on a Neural Network. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 132-144	0.9
87	Identification of Helicopter Dynamics based on Flight Data using Nature Inspired Techniques. <b>2020</b> , 257-273	
86	ParaCopasi: A package for parallel biochemical simulation and analysis. <b>2022</b> , 43, 144-154	1
85	Vector Evaluated and Objective Switching Approaches of Artificial Bee Colony Algorithm (ABC) for Multi-Objective Design Optimization of Composite Plate Structures. 59-84	
84	Compilation of References. 0-0	
83	Evolutionary Computing to Examine Variation in Proteins with Evolution. 187-202	

82	Design of Astronomical Filter Systems for Stellar Classification Using Evolutionary Algorithms. <b>2005</b> , 330-337		
81	Identification of a Fuzzy Measure by an Evolutionary Strategy. <b>2005</b> , 123-130		
80	Grid Task Scheduling Algorithm R3Q for Evolving Artificial Neural Networks. <b>2008</b> , 717-722		
79	An Evolutionary Strategy for Optimizing Multi-pass Turning Operation under Dry Machining Conditions. <b>2008</b> , 381-384		
78	Immune Clonal Strategy Based on the Adaptive Mean Mutation. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 108-116	0.9	2
77	Evolutionary Optimisation of Composite Structures. <b>2008</b> , 121-131		1
76	Controlling mutation/selection algorithms with stochastic approximation.		1
75	Design of a method for scheduling in process industry.		
74	Evolutionary Strategies (ES). <b>2020</b> , 65-111		
73	Multi-objective optimization identifies trade-offs between self-sufficiency and environmental impacts of regional agriculture in Baden-Württemberg, Germany. <i>Journal of Agriculture, Food Systems, and Community Development</i> , 1-20	2.4	
72	Discovering novel memory cell designs for sentiment analysis on tweets. <i>Genetic Programming and Evolvable Machines</i> , <b>2021</b> , 22, 147-187	2	1
71	Introduction. <i>Use RI</i> , <b>2021</b> , 1-14	0.3	
70	Phenotype-Centric Modeling for Rational Metabolic Engineering.		
69	A new optimization algorithm inspired by the quest for the evolution of human society: Human felicity algorithm. <i>Expert Systems With Applications</i> , <b>2022</b> , 193, 116468	7.8	4
68	PopDMMO: A general framework of population-based stochastic search algorithms for dynamic multimodal optimization. <i>Swarm and Evolutionary Computation</i> , <b>2022</b> , 68, 101011	9.8	0
67	TradeBot: Bandit learning for hyper-parameters optimization of high frequency trading strategy. <i>Pattern Recognition</i> , <b>2022</b> , 124, 108490	7.7	2
66	Proposed Selection Technique of Evolutionary Algorithm and its implementation for Combinatorial Problems. <b>2020</b> ,		0
65	Learning to Optimize Black-Box Functions with Extreme Limits on the Number of Function Evaluations. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 7-24	0.9	



64	Minimising Tertiary Inter-group Connectedness Over Successive Rounds. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 27-42	0.3	
63	CarHoods10k: An Industry-grade Data Set for Representation Learning and Design Optimization in Engineering Applications. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2022</b> , 1-1	15.6	0
62	Data Marketing Optimization Method Combining Deep Neural Network and Evolutionary Algorithm. <i>Wireless Communications and Mobile Computing</i> , <b>2022</b> , 2022, 1-10	1.9	
61	Identification of the key manufacturing parameters impacting the prediction accuracy of support vector machine (SVM) model for quality assessment. <i>International Journal on Interactive Design and Manufacturing</i> , <b>2022</b> , 16, 177	1.9	0
60	Modified firefly algorithm for workflow scheduling in cloud-edge environment.. <i>Neural Computing and Applications</i> , <b>2022</b> , 1-26	4.8	22
59	Mutation-driven grey wolf optimizer with modified search mechanism. <i>Expert Systems With Applications</i> , <b>2022</b> , 194, 116450	7.8	3
58	Auto uning of price prediction models for high-frequency trading via reinforcement learning. <i>Pattern Recognition</i> , <b>2022</b> , 125, 108543	7.7	0
57	Parallel Computing for Improving Optimization Performance of Laminated Composite Structures Application: Thermal Buckling. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 733-747	0.4	
56	Adaptive Neural Network Structure Optimization Algorithm Based on Dynamic Nodes. <i>Current Issues in Molecular Biology</i> , <b>2022</b> , 44, 817-832	2.9	
55	An analysis of why cuckoo search does not bring any novel ideas to optimization. <i>Computers and Operations Research</i> , <b>2022</b> , 142, 105747	4.6	3
54	Fundamental Evolutionary Algorithms. <i>Texts in Computer Science</i> , <b>2022</b> , 287-341	0.4	
53	Forecasting reservoir-induced landslide deformation using genetic algorithm enhanced multivariate Taylor series Kalman filter. <i>Bulletin of Engineering Geology and the Environment</i> , <b>2022</b> , 81, 1	4	0
52	aSGD: Stochastic Gradient Descent with Adaptive Batch Size for Every Parameter. <i>Mathematics</i> , <b>2022</b> , 10, 863	2.3	0
51	Improving precipitable water vapor estimations of the Moderate Resolution Imaging Spectroradiometer (MODIS) using metaheuristic algorithms. <i>Advances in Space Research</i> , <b>2022</b> ,	2.4	
50	AutoSpace: Neural Architecture Search with Less Human Interference. <b>2021</b> ,		0
49	Critical Analysis of Genetic Algorithm under Crossover and Mutation Rate. <b>2021</b> ,		0
48	Genetic Algorithms. <b>2001</b> , 802-805		
47	Contrastive Learning: An Alternative Surrogate for Offline Data-Driven Evolutionary Computation. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2022</b> , 1-1	15.6	0

46	Mixture distribution based real-coded crossover: A hybrid probabilistic approach for global optimization. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2022</b> , 42, 4969-4985	1.6	
45	Phenotype-centric modeling for rational metabolic engineering.. <i>Metabolic Engineering</i> , <b>2022</b> ,	9.7	
44	An Enhanced Grey Wolf Optimization Algorithm for Photovoltaic Maximum Power Point Tracking Control Under Partial Shading Conditions. <i>IEEE Open Journal of the Industrial Electronics Society</i> , <b>2022</b> , 1-1	3.6	2
43	Multi-Agent Reinforcement Learning. <b>2022</b> , 219-262		
42	Introduction. <b>2022</b> , 1-24		
41	Adaptive MOMEDA model based variational mode decomposition for Pelton wheel fault detection. <i>Engineering Research Express</i> , <b>2022</b> , 4, 025044	0.9	1
40	A Comparison of Fuzzy and ACO-Based Fuzzy for Classification of Bio-Medical Database. <i>Advances in Intelligent Systems and Computing</i> , <b>2022</b> , 105-114	0.4	0
39	Code and Data Synthesis for Genetic Improvement in Emergent Software Systems. <i>ACM Transactions on Evolutionary Learning</i> ,		
38	Using phylogenetic analysis to enhance genetic improvement. <b>2022</b> ,		1
37	Optimizing filter rule parameters with genetic algorithm and stock selection with artificial neural networks for an improved trading: The case of Borsa Istanbul. <i>Expert Systems With Applications</i> , <b>2022</b> , 208, 118120	7.8	2
36	Survivor selection in a crossoverless evolutionary algorithm. <b>2022</b> ,		1
35	Application of Genetic Algorithm in Numerous Scientific Fields.		
34	A state of art review on applications of multi-objective evolutionary algorithms in chemicals production reactors.		0
33	Dynamic hybrid mechanism-based differential evolution algorithm and its application. <b>2023</b> , 213, 118834		10
32	Multi-objective Optimization of Cutting Parameters for Turning Curved Surfaces. <b>2022</b> , 799-807		0
31	Tracking of Moving Sources in A Reverberant Environment Using Evolutionary Algorithms. <b>2022</b> , 1-1		0
30	Adaptive Multi-subpopulation based Differential Evolution for Global Optimization. <b>2022</b> ,		0
29	Discovery and Design of Radiopharmaceuticals by In Silico Methods. <b>2022</b> , 15,		0

28	Steady-State Operation of a Cell-Free Genetic Band-Detection Circuit.	0
27	Using Deep Learning for Task and Tremor Type Classification in People with Parkinson's Disease. <b>2022</b> , 22, 7322	0
26	Feature Selection Based on Gaussian Ant Lion Optimizer for Fault Identification in Centrifugal Pump. <b>2023</b> , 295-310	0
25	Harness Structural Stochasticity in Computational Discovery and Design of Microstructures. <b>2022</b> , 111223	0
24	A hybrid simulation/optimization architecture for developing a digital twin. <b>2022</b> , 55, 532-537	0
23	Target State Optimization: Drivability Improvement for Vehicles with Dual Clutch Transmissions. <b>2022</b> , 12, 10283	0
22	Deep multiagent reinforcement learning: challenges and directions.	3
21	Path planning optimization in unmanned aerial vehicles using meta-heuristic algorithms: a systematic review. <b>2023</b> , 195,	0
20	EvoDCMMO: Benchmarking and solving dynamic constrained multimodal optimization problems. <b>2022</b> , 75, 101184	0
19	GACO: A Genetic Algorithm with Ant Colony Optimization-Based Feature Selection for Breast Cancer Diagnosis. <b>2023</b> , 269-293	0
18	A novel high-level target navigation pigeon-inspired optimization for global optimization problems.	0
17	Predicting the Direction of Financial Dollarization Movement with Genetic Algorithm and Machine Learning Algorithms: The Case of Turkey. <b>2022</b> , 119301	1
16	Curbing Pandemic Through Evolutionary Algorithm-Based Priority Aware Mobility Scheduling. <b>2022</b> , 1-10	0
15	Multi-objective optimization of thermochromic glazing properties to enhance building energy performance. <b>2023</b> , 249, 446-456	0
14	A survey of recently developed metaheuristics and their comparative analysis. <b>2023</b> , 117, 105622	1
13	Weighted-leader search: A new choice in metaheuristic and its application in real-world large-scale optimization. <b>2023</b> , 176, 103405	0
12	Land subsidence caused by seasonal groundwater level fluctuations in Kawajima (Japan) and one-dimensional numerical modeling with an evolutionary algorithm.	0
11	MSSSA: a multi-strategy enhanced sparrow search algorithm for global optimization. <b>2022</b> , 23, 1828-1847	0

- 10 Cauchy mutation boosted Harris hawk algorithm: Optimal performance design and engineering applications. ○
- 9 Aggregated Use of Energy Flexibility in Office Buildings. **2023**, 16, 961 ○
- 8 Metaheuristic Optimization Techniques Used in Controlling of an Active Magnetic Bearing System for High-Speed Machining Application. **2023**, 11, 12100-12118 ○
- 7 Machine learning for optimal flow control in an axial compressor. **2023**, 46, ○
- 6 Evolution of linkages for prototyping of linkage based robots. **2022**, ○
- 5 A novel firefly algorithm approach for efficient feature selection with COVID-19 dataset. **2023**, 98, 104778 ○
- 4 Network topologies for maximal organismal health span and lifespan. **2023**, 33, 023124 ○
- 3 Self-Consistent-Charge Density-Functional Tight-Binding Parameters for Modeling an All-Solid-State Lithium Battery. **2023**, 19, 1381-1387 ○
- 2 A unifying method-based classification of robot swarm spatial self-organisation behaviours. 105971232311639○
- 1 Enitelik seŕmi problemleri iŕn ikili beyaz kŕbekbalŕoptimizasyon algoritmasŕ ○