

Hussein A. Abbass

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

181 papers	2,645 citations	26 h-index	43 g-index
210 ext. papers	3,270 ext. citations	3.9 avg, IF	5.64 L-index

#	Paper	IF	Citations
181	Modified continuous Ant Colony Optimisation for multiple Unmanned Ground Vehicle path planning. <i>Expert Systems With Applications</i> , 2022 , 116605	7.8	3
180	Towards Real-Time Monocular Depth Estimation for Robotics: A Survey[-5pt]. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-22	6.1	1
179	A machine education approach to swarm decision-making in best-of-n problems. <i>Swarm Intelligence</i> , 2022 , 16, 59-90	3	
178	Onto4MAT: A Swarm Shepherding Ontology for Generalised Multi-Agent Teaming. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
177	On the channel density of EEG signals for reliable biometric recognition. <i>Pattern Recognition Letters</i> , 2021 , 147, 134-141	4.7	2
176	Multimodal Fusion for Objective Assessment of Cognitive Workload: A Review. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1542-1555	10.2	19
175	Assessing Player Profiles of Achievement, Affiliation, and Power Motivation Using Electroencephalography. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11	7.3	1
174	A model of symbiomemesis: machine education and communication as pillars for human-autonomy symbiosis. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20200364	3	3
173	Multi-operator continuous ant colony optimisation for real world problems. <i>Swarm and Evolutionary Computation</i> , 2021 , 100984	9.8	1
172	The reliability and transparency bases of trust in human-swarm interaction: principles and implications. <i>Ergonomics</i> , 2020 , 63, 1116-1132	2.9	7
171	Electroencephalographic Workload Indicators During Teleoperation of an Unmanned Aerial Vehicle Shepherding a Swarm of Unmanned Ground Vehicles in Contested Environments. <i>Frontiers in Neuroscience</i> , 2020 , 14, 40	5.1	18
170	. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 523-537	4.1	21
169	BrainPrint: EEG biometric identification based on analyzing brain connectivity graphs. <i>Pattern Recognition</i> , 2020 , 105, 107381	7.7	19
168	Mixture of Spectral Generative Adversarial Networks for Imbalanced Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	1
167	The Limits of Reactive Shepherding Approaches for Swarm Guidance. <i>IEEE Access</i> , 2020 , 8, 214658-214673	3.5	5
166	Social Integration of Artificial Intelligence: Functions, Automation Allocation Logic and Human-Autonomy Trust. <i>Cognitive Computation</i> , 2019 , 11, 159-171	4.4	42
165	Convolutional Neural Networks Using Dynamic Functional Connectivity for EEG-Based Person Identification in Diverse Human States. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 3259-3272	8	38

164	. <i>IEEE Access</i> , 2019 , 7, 33304-33328	3.5	16
163	A Deep Hierarchical Reinforcement Learner for Aerial Shepherding of Ground Swarms. <i>Lecture Notes in Computer Science</i> , 2019 , 658-669	0.9	6
162	Networking the Boids Is More Robust Against Adversarial Learning. <i>IEEE Transactions on Network Science and Engineering</i> , 2018 , 5, 141-155	4.9	9
161	Human-Guided Evolutionary Story Narration. <i>IEEE Access</i> , 2018 , 6, 13783-13802	3.5	3
160	Automatic estimation of differential evolution parameters using Hidden Markov Models. <i>Evolutionary Intelligence</i> , 2018 , 10, 77-93	1.7	5
159	Hybridized encoding for evolutionary multi-objective optimization of air traffic network flow: A case study on China. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018 , 115, 35-53	5.9	13
158	Hierarchical Deep Reinforcement Learning for Continuous Action Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5174-5184	10.3	60
157	Assessing Human Judgment of Computationally Generated Swarming Behavior. <i>Frontiers in Robotics and AI</i> , 2018 , 5, 13	2.8	4
156	Spatio-Spectral Representation Learning for Electroencephalographic Gait-Pattern Classification. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 1858-1867	4.8	26
155	Toward Electroencephalographic Profiling of Player Motivation: A Survey. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018 , 10, 499-513	3	4
154	Co-Operative Coevolutionary Neural Networks for Mining Functional Association Rules. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1331-1344	10.3	16
153	. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2017 , 1, 27-40	4.1	2
152	. <i>IEEE Computational Intelligence Magazine</i> , 2017 , 12, 42-55	5.6	12
151	On Benchmark Problems and Metrics for Decision Space Performance Analysis in Multi-Objective Optimization. <i>International Journal of Computational Intelligence and Applications</i> , 2017 , 16, 1750006	1.2	2
150	A Benchmark Test Suite for Dynamic Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 461-472	10.2	32
149	Supervised deep actor network for imitation learning in a ground-air UAV-UGVs coordination task 2017 ,		2
148	Decompositional independent component analysis using multi-objective optimization. <i>Soft Computing</i> , 2016 , 20, 1289-1304	3.5	15
147	Recent Advances in Computational Intelligence in Defense and Security. <i>Studies in Computational Intelligence</i> , 2016 , 1-9	0.8	1

146	The \$N\$-Player Trust Game and its Replicator Dynamics. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 470-474	15.6	25
145	Computational Intelligence for Brain Computer Interface [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2016 , 11, 18-18	5.6	1
144	Adaptive Cross-Generation Differential Evolution Operators for Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 232-244	15.6	71
143	Computational Red Teaming in a Sudoku Solving Context: Neural Network Based Skill Representation and Acquisition. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 319-332	0.2	0
142	Evolutionary multi-objective resource allocation and scheduling in the Chinese navigation satellite system project. <i>European Journal of Operational Research</i> , 2016 , 251, 662-675	5.6	26
141	Multiway analysis of EEG artifacts based on Block Term Decomposition 2016 ,		6
140	Quantifying Swarming Behaviour. <i>Lecture Notes in Computer Science</i> , 2016 , 119-130	0.9	1
139	Shaping Influence and Influencing Shaping: A Computational Red Teaming Trust-Based Swarm Intelligence Model. <i>Lecture Notes in Computer Science</i> , 2016 , 14-23	0.9	0
138	Evolving Narrations of Strategic Defence and Security Scenarios for Computational Scenario Planning. <i>Studies in Computational Intelligence</i> , 2016 , 635-661	0.8	
137	. <i>IEEE Access</i> , 2016 , 4, 2808-2830	3.5	15
136	Emergence of order in leader-follower Boids-inspired systems 2016 ,		1
135	Continuous authentication using EEG and face images for trusted autonomous systems 2016 ,		8
134	A multiobjective distance separation methodology to determine sector-level minimum separation for safe air traffic scenarios. <i>European Journal of Operational Research</i> , 2016 , 253, 226-240	5.6	1
133	Trusted Autonomy and Cognitive Cyber Symbiosis: Open Challenges. <i>Cognitive Computation</i> , 2016 , 8, 385-408	4.4	37
132	A multi-disciplinary review of knowledge acquisition methods: From human to autonomous eliciting agents. <i>Knowledge-Based Systems</i> , 2016 , 105, 1-22	7.3	15
131	Application of chaos measures to a simplified boids flocking model. <i>Swarm Intelligence</i> , 2015 , 9, 23-41	3	13
130	A Methodology for Synthesizing Interdependent Multichannel EEG Data with a Comparison Among Three Blind Source Separation Techniques. <i>Lecture Notes in Computer Science</i> , 2015 , 154-161	0.9	1
129	Dual Phase Evolution 2014 ,		3

128	MOCCA-II: A multi-objective co-operative co-evolutionary algorithm. <i>Applied Soft Computing Journal</i> , 2014 , 23, 407-416	7.5	23
127	A Knowledge-Based Evolutionary Multiobjective Approach for Stochastic Extended Resource Investment Project Scheduling Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 742-763	15.6	45
126	Trading-off simulation fidelity and optimization accuracy in air-traffic experiments using differential evolution 2014 ,		3
125	Visual and auditory reaction time for air traffic controllers using quantitative electroencephalograph (QEEG) data. <i>Brain Informatics</i> , 2014 , 1, 39-45	5.9	4
124	Risk management with hard-soft data fusion in maritime domain awareness 2014 ,		9
123	2014 ,		9
122	2014 ,		2
121	An interactive evolutionary computation framework controlled via EEG signals 2014 ,		1
120	Society of Mind cognitive agent architecture applied to drivers adapting in a traffic context. <i>Adaptive Behavior</i> , 2014 , 22, 123-145	1.1	3
119	DMEA-II: the direction-based multi-objective evolutionary algorithm-II. <i>Soft Computing</i> , 2014 , 18, 2119-2134	13.4	10
118	Artifact Removal from EEG Using a Multi-objective Independent Component Analysis Model. <i>Lecture Notes in Computer Science</i> , 2014 , 570-577	0.9	15
117	On the Role of Working Memory in Trading-Off Skills and Situation Awareness in Sudoku. <i>Lecture Notes in Computer Science</i> , 2014 , 571-578	0.9	2
116	Calibrating Independent Component Analysis with Laplacian Reference for Real-Time EEG Artifact Removal. <i>Lecture Notes in Computer Science</i> , 2014 , 68-75	0.9	13
115	Analysis of Online Signature Based Learning Classifier Systems for Noisy Environments: A Feedback Control Theoretic Approach. <i>Lecture Notes in Computer Science</i> , 2014 , 395-406	0.9	
114	Evaluation of an adaptive genetic-based signature extraction system for network intrusion detection. <i>Pattern Analysis and Applications</i> , 2013 , 16, 549-566	2.3	23
113	An evolutionary goal-programming approach towards scenario design for air-traffic human-performance experiments 2013 ,		1
112	Distributing cognitive resources in one-against-many strategy games 2013 ,		2
111	Real time prediction of worst case air traffic sector collision risk using evolutionary optimization 2013 ,		3

110	Systemic identification of airspace collision risk tipping points using an evolutionary multi-objective scenario-based methodology. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 35, 57-84	8.4	14
109	Evaluating ground-air network vulnerabilities in an integrated terminal maneuvering area using co-evolutionary computational red teaming. <i>Transportation Research Part C: Emerging Technologies</i> , 2013 , 29, 32-54	8.4	11
108	An agent-based model to simulate and analyse behaviour under noisy and deceptive information. <i>Adaptive Behavior</i> , 2013 , 21, 96-117	1.1	5
107	A new niching method for the direction-based multi-objective evolutionary algorithm 2013 ,		2
106	Modeling and Simulation of Road Traffic Behavior: Artificial Drivers with Personality and Emotions. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2013 , 17, 851-861	0.4	2
105	Evolving Story Narrative Using Surrogate Models of Human Judgement. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 653-661	0.4	2
104	Robo-Teacher: A Computational Simulation Based Educational System to Improve Cyber Security. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 179-186	0.4	1
103	Neuro-Evolution of Escape Behaviour under High Level of Deception and Noise. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 671-681	0.4	
102	A multi-objective approach for Dynamic Airspace Sectorization using agent based and geometric models. <i>Transportation Research Part C: Emerging Technologies</i> , 2012 , 21, 89-121	8.4	38
101	Robustness Against the Decision-Maker's Attitude to Risk in Problems With Conflicting Objectives. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 1-19	15.6	30
100	What can make an airspace unsafe? characterizing collision risk using multi-objective optimization 2012 ,		5
99	Spatio-temporal dynamics of security investments in an interdependent risk environment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 5004-5017	3.3	5
98	Bio-inspired robotics for air traffic weather information management. <i>Transactions of the Institute of Measurement and Control</i> , 2012 , 34, 291-317	1.8	
97	Motif difficulty (MD): a predictive measure of problem difficulty for evolutionary algorithms using network motifs. <i>Evolutionary Computation</i> , 2012 , 20, 321-47	4.3	15
96	2012 ,		15
95	IEEE World Congress on Computational Intelligence 2012 (IEEE WCCI 2012) [Conference Reports]. <i>IEEE Computational Intelligence Magazine</i> , 2012 , 7, 15-17	5.6	1
94	Discovering Delay Patterns in Arrival Traffic with Dynamic Continuous Descent Approaches Using Co-Evolutionary Red Teaming. <i>Air Traffic Control Quarterly</i> , 2012 , 20, 47-71		5
93	A Psychophysiological Analysis of Weak Annoyances in Human Computer Interfaces. <i>Lecture Notes in Computer Science</i> , 2012 , 202-209	0.9	0

92	Neural and Speech Indicators of Cognitive Load for Sudoku Game Interfaces. <i>Lecture Notes in Computer Science</i> , 2012 , 210-217	0.9	4
91	Psychophysiological Evaluation of Task Complexity and Cognitive Performance in a Human Computer Interface Experiment. <i>Lecture Notes in Computer Science</i> , 2012 , 600-607	0.9	2
90	DEAL: A Direction-Guided Evolutionary Algorithm. <i>Lecture Notes in Computer Science</i> , 2012 , 148-157	0.9	2
89	From Subjective to Objective Metrics for Evolutionary Story Narration Using Event Permutations. <i>Lecture Notes in Computer Science</i> , 2012 , 400-409	0.9	6
88	Developing Attention Focus Metrics for Autonomous Hypothesis Generation in Data Mining. <i>Lecture Notes in Computer Science</i> , 2012 , 290-299	0.9	
87	A Density Based Approach to the Access Point Layout Smart Distribution Grid Design Optimization Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 73-82	0.9	
86	Frontal Cortex Neural Activities Shift Cognitive Resources Away from Facial Activities in Real-Time Problem Solving. <i>Lecture Notes in Computer Science</i> , 2012 , 132-139	0.9	
85	Multi Objective Learning Classifier Systems Based Hyperheuristics for Modularised Fleet Mix Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 381-390	0.9	2
84	2011 ,		8
83	. <i>IEEE Computational Intelligence Magazine</i> , 2011 , 6, 30-42	5.6	27
82	The use of coevolution and the artificial immune system for ensemble learning. <i>Soft Computing</i> , 2011 , 15, 1735-1747	3.5	12
81	Mixed strategy and coevolution dynamics in social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 410-417	3.3	9
80	DMEA: a direction-based multiobjective evolutionary algorithm. <i>Memetic Computing</i> , 2011 , 3, 271-285	3.4	18
79	Competency awareness in strategic decision making 2011 ,		3
78	Fleet estimation for defence logistics using a multi-objective learning classifier system 2011 ,		4
77	Local-global interaction and the emergence of scale-free networks with community structures. <i>Artificial Life</i> , 2011 , 17, 263-79	1.4	8
76	2011 ,		2
75	Multi-Aircraft Dynamic Continuous Descent Approach Methodology for Low-Noise and Emission Guidance. <i>Journal of Aircraft</i> , 2011 , 48, 1225-1237	1.6	10

74	A grid-based heuristic for two-dimensional packing problems 2011 ,		2
73	A Pittsburgh Multi-Objective Classifier for user preferred trajectories and flight navigation 2010 ,		2
72	2010 ,		2
71	Evolutionary dynamics of interdependent exogenous risks 2010 ,		2
70	Separated and overlapping community detection in complex networks using multiobjective Evolutionary Algorithms 2010 ,		32
69	A dynamic continuous descent approach methodology for low noise and emission 2010 ,		17
68	Adversarial learning: the impact of statistical sample selection techniques on neural ensembles. <i>Evolving Systems</i> , 2010 , 1, 181-197	2.1	2
67	Aviation emission inventory development and analysis. <i>Environmental Modelling and Software</i> , 2010 , 25, 1738-1753	5.2	35
66	The Role of Explicit Niching and Communication Messages in Distributed Evolutionary Multi-objective Optimization. <i>Studies in Computational Intelligence</i> , 2010 , 181-206	0.8	
65	Evolving Stories: Tree Adjoining Grammar Guided Genetic Programming for Complex Plot Generation. <i>Lecture Notes in Computer Science</i> , 2010 , 135-145	0.9	5
64	2009 ,		8
63	The effect of symmetry in representation on scenario-based risk assessment for air-traffic conflict resolution strategies. 2009 ,		2
62	On the role of information networks in logistics: An evolutionary approach with military scenarios 2009 ,		1
61	A self-organized, distributed, and adaptive rule-based induction system. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 446-59		9
60	A hierarchical conflict resolution method for multi-agent path planning 2009 ,		2
59	Localization for solving noisy multi-objective optimization problems. <i>Evolutionary Computation</i> , 2009 , 17, 379-409	4.3	34
58	. <i>IEEE Transactions on Evolutionary Computation</i> , 2009 , 13, 303-320	15.6	14
57	Evolutionary Game Theoretic Approach for Modeling Civil Violence. <i>IEEE Transactions on Evolutionary Computation</i> , 2009 , 13, 780-800	15.6	35

56	Mebrar: multiobjective evolutionary-based risk assessment. <i>IEEE Computational Intelligence Magazine</i> , 2009 , 4, 29-36	5.6	25
55	The Pareto operating curve for risk minimization. <i>Artificial Life and Robotics</i> , 2009 , 14, 449-452	0.6	6
54	Intrusion detection with evolutionary learning classifier systems. <i>Natural Computing</i> , 2009 , 8, 3-27	1.3	25
53	Local modelsAn approach to distributed multi-objective optimization. <i>Computational Optimization and Applications</i> , 2009 , 42, 105-139	1.4	17
52	Cyclic genotyping strategies. III: A comparison of predictive methods for group genotyping. <i>Journal of Animal Breeding and Genetics</i> , 2009 , 126, 117-26	2.9	
51	An ensemble approach for conflict detection in Free Flight by data mining. <i>Transportation Research Part C: Emerging Technologies</i> , 2009 , 17, 298-317	8.4	40
50	An adaptive genetic-based signature learning system for intrusion detection. <i>Expert Systems With Applications</i> , 2009 , 36, 12036-12043	7.8	41
49	A Memetic Coevolutionary Multi-Objective Differential Evolution Algorithm. <i>Studies in Computational Intelligence</i> , 2009 , 369-388	0.8	6
48	Parameterization of Keeling's network generation algorithm. <i>Theoretical Population Biology</i> , 2008 , 74, 161-6	1.2	8
47	Neural-Based Learning Classifier Systems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 26-39	4.2	63
46	Characterizing game dynamics in two-player strategy games using network motifs. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 682-90		17
45	Performance analysis of elitism in multi-objective ant colony optimization algorithms 2008 ,		5
44	Analysis of CCME: Coevolutionary Dynamics, Automatic Problem Decomposition, and Regularization. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008 , 38, 100-109		12
43	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2008 , 9, 209-225	6.1	31
42	Interleaving Guidance in Evolutionary Multi-Objective Optimization. <i>Journal of Computer Science and Technology</i> , 2008 , 23, 44-63	1.7	10
41	Distributed Learning Classifier Systems. <i>Studies in Computational Intelligence</i> , 2008 , 69-91	0.8	3
40	Evolving an Ensemble of Neural Networks Using Artificial Immune Systems. <i>Lecture Notes in Computer Science</i> , 2008 , 121-130	0.9	7
39	Improving the Performance of Genetic Algorithm in Capacitated Vehicle Routing Problem using Self Imposed Constraints 2007 ,		2

38	Information Sharing in the Iterated Prisoner's Dilemma Game 2007 ,		6
37	Biologically-inspired Complex Adaptive Systems approaches to Network Intrusion Detection. <i>Information Security Technical Report</i> , 2007 , 12, 209-217		21
36	Biasing XCS with Domain Knowledge for Planning Flight Trajectories in a Moving Sector Free Flight Environment 2007 ,		2
35	2007 ,		12
34	A Temporal Risk Assessment Framework for Planning A Future Force Structure 2007 ,		6
33	Real time signature extraction from a supervised classifier system 2007 ,		2
32	A Scenario-based Evolutionary Scheduling Approach for Assessing Future Supply Chain Fleet Capabilities. <i>Studies in Computational Intelligence</i> , 2007 , 485-511	0.8	12
31	Evolutionary Online Data Mining: An Investigation in a Dynamic Environment. <i>Studies in Computational Intelligence</i> , 2007 , 153-178	0.8	8
30	A novel mixture of experts model based on cooperative coevolution. <i>Neurocomputing</i> , 2006 , 70, 155-163	5.4	25
29	Characterizing warfare in red teaming. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006 , 36, 268-85		33
28	An economical cognitive approach for bi-objective optimization using bliss points, visualization, and interaction. <i>Soft Computing</i> , 2006 , 10, 687-698	3.5	7
27	Simultaneous Evolution of Network Architectures and Connection Weights in Artificial Neural Networks 2006 , 28-42		
26	How Hard Is It To Red Team? 2006 , 46-78		
25	All Hazards Analysis 2006 , 1-16		1
24	A Survey of Probabilistic Model Building Genetic Programming. <i>Studies in Computational Intelligence</i> , 2006 , 121-160	0.8	28
23	Pareto-Optimal Approaches to Neuro-Ensemble Learning 2006 , 405-427		
22	Multiobjectivity and complexity in embodied cognition. <i>IEEE Transactions on Evolutionary Computation</i> , 2005 , 9, 337-360	15.6	22
21	DXCS 2005 ,		12

20	Mapping lessons from ants to free flight: an ant-based weather avoidance algorithm in free flight airspace 2005 , 6039, 205		2
19	Stopping criteria for ensemble of evolutionary artificial neural networks. <i>Applied Soft Computing Journal</i> , 2005 , 6, 100-107	7.5	23
18	Artificial life down under. <i>Artificial Life</i> , 2005 , 11, 397-9	1.4	
17	Fitness inheritance for noisy evolutionary multi-objective optimization 2005 ,		44
16	Sub-structural niching in estimation of distribution algorithms 2005 ,		14
15	Diversity as a selection pressure in dynamic environments 2005 ,		13
14	Can Evolutionary Computation Handle Large Datasets? A Study into Network Intrusion Detection. <i>Lecture Notes in Computer Science</i> , 2005 , 1092-1095	0.9	2
13	Automatic generation of controllers for embodied legged organisms: a Pareto evolutionary multi-objective approach. <i>Evolutionary Computation</i> , 2004 , 12, 355-94	4.3	24
12	DIFFERENTIAL EVOLUTION FOR SOLVING MULTIOBJECTIVE OPTIMIZATION PROBLEMS. <i>Asia-Pacific Journal of Operational Research</i> , 2004 , 21, 225-240	0.8	30
11	An information-theoretic landscape analysis of neuro-controlled embodied organisms. <i>Neural Computing and Applications</i> , 2004 , 13, 80-89	4.8	8
10	Speeding up backpropagation using multiobjective evolutionary algorithms. <i>Neural Computation</i> , 2003 , 15, 2705-26	2.9	119
9	An evolutionary artificial neural networks approach for breast cancer diagnosis. <i>Artificial Intelligence in Medicine</i> , 2002 , 25, 265-81	7.4	288
8	Elucidating the benefits of a self-adaptive Pareto EMO approach for evolving legged locomotion in artificial creatures		4
7	Program evolution with explicit learning		17
6	Improving genetic classifiers with a boosting algorithm		3
5	Pareto neuro-evolution: constructing ensemble of neural networks using multi-objective optimization		50
4	The discrete gradient evolutionary strategy method for global optimization		2
3	AntTAG: a new method to compose computer programs using colonies of ants		24

2	The self-adaptive Pareto differential evolution algorithm
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1	Walking with EMO300-332
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