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#	Paper	IF	Citations
352	Memetic Algorithms: A Contemporary Introduction. 1-15		2
351	Memetic computation based on regulation between neural and immune systems: the framework and a case study. 2010 , 53, 1519-1527		3
350	A memetic algorithm for extending wireless sensor network lifetime. 2010 , 180, 4818-4833		66
349	Super-fit and population size reduction in compact Differential Evolution. 2011 ,		24
348	Evaluation of Two-Stage Ensemble Evolutionary Algorithm for Numerical Optimization. <i>Lecture Notes in Computer Science</i> , 2011 , 539-548	0.9	
347	Memetic algorithm for community detection in networks. 2011 , 84, 056101		150
346	Cultural-based multiobjective particle swarm optimization. 2011 , 41, 553-67		81
345	A Hybrid Ant Colony Optimization Algorithm for the Extended Capacitated Arc Routing Problem. 2011 , 41, 1110-23		44
344	Medical Image Registration Using Evolutionary Computation: An Experimental Survey. <i>IEEE Computational Intelligence Magazine</i> , 2011 , 6, 26-42	5.6	63
343	Evolutionary Computation Meets Machine Learning: A Survey. <i>IEEE Computational Intelligence Magazine</i> , 2011 , 6, 68-75	5.6	150
342	Toward an Evolutionary Computing Modeling Language. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 230-247	15.6	3
341	A Multi-Facet Survey on Memetic Computation. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 591-607	15.6	408
340	A Memetic Algorithm for Global Optimization in Chemical Process Synthesis Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 659-683	15.6	31
339	Analysis on the Collaboration Between Global Search and Local Search in Memetic Computation. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 608-623	15.6	30
338	DNA Sequence Compression Using Adaptive Particle Swarm Optimization-Based Memetic Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 643-658	15.6	83
337	Guest Editorial. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 589-590	15.6	
336	Evolutionary algorithms for solving multi-objective travelling salesman problem. 2011 , 23, 207-241		19

335	Speciation in Behavioral Space for Evolutionary Robotics. 2011 , 64, 323-351		23
334	A memetic ant colony optimization algorithm for the dynamic travelling salesman problem. 2011 , 15, 1405-1425		67
333	Memetic informed evolutionary optimization via data mining. <i>Memetic Computing</i> , 2011 , 3, 73-87	3-4	14
332	Memetic cooperative models for the tool switching problem. <i>Memetic Computing</i> , 2011 , 3, 199-216	3-4	11
331	Editorial. <i>Memetic Computing</i> , 2011 , 3, 145-146		3-4
330	Disturbed Exploitation compact Differential Evolution for limited memory optimization problems. 2011 , 181, 2469-2487		104
329	Preferential local search with adaptive weights in evolutionary algorithms for multiobjective optimization problems. 2011 ,		2
328	Estimation of distribution and differential evolution cooperation for real-world numerical optimization problems. 2011 ,		8
327	Modified differential evolution with local search algorithm for real world optimization. 2011 ,		14
326	Enhancing differential evolution with effective evolutionary local search in memetic framework. 2011 ,		1
325	Memetic figure selection for cluster expansion in binary alloy systems. 2011 ,		
324	Asymmetric Pareto-adaptive Scheme for Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , 2011 , 351-360	0.9	8
323	Multiobjective optimization by decomposition with Pareto-adaptive weight vectors. 2011 ,		14
322	Performance of a hybrid EA-DE-memetic algorithm on CEC 2011 real world optimization problems. 2011 ,		15
321	A surrogate-assisted memetic co-evolutionary algorithm for expensive constrained optimization problems. 2011 ,		24
320	Towards human-like social multi-agents with memetic automaton. 2011 ,		15
319	Quantum Memetic Evolutionary Algorithm-Based Low-Complexity Signal Detection for Underwater Acoustic Sensor Networks. 2012 , 42, 626-640		8
318	Experiences on memetic computation for locating transition states in biochemical applications. 2012 ,		2

317	An evolutionary approach for determining Hidden Markov Model for medical image analysis. 2012 ,	2
316	Pareto Rank Learning in Multi-objective Evolutionary Algorithms. 2012 ,	5
315	Memetic clustering based on particle swarm optimizer and K-means. 2012 ,	4
314	Computational intelligence in software cost estimation. 2012 , 37, 1-7	6
313	Memetic artificial bee colony algorithm for large-scale global optimization. 2012 ,	45
312	When and what kind of memetic algorithms perform well. 2012 ,	3
311	. 2012 , 42, 664-681	67
310	A self-adaptive memeplexes robust search scheme for solving stochastic demands vehicle routing problem. 2012 , 43, 1347-1366	21
309	. 2012 , 42, 609-611	1
308	The importance of being structured: A comparative study on multi stage memetic approaches. 2012 ,	3
307	Meta-Lamarckian learning in three stage optimal memetic exploration. 2012 ,	3
306	. 2012 , 42, 653-663	1
305	A Conceptual Modeling of Meme Complexes in Stochastic Search. 2012 , 42, 612-625	28
304	Improving Grammar Inference by a Memetic Algorithm. 2012 , 42, 692-703	8
303	Using computational intelligence for large scale air route networks design. <i>Applied Soft Computing Journal</i> , 2012 , 12, 2790-2800	7.5 21
302	Evolving cognitive and social experience in Particle Swarm Optimization through Differential Evolution: A hybrid approach. 2012 , 216, 50-92	97
301	Automatic Design of an Indoor User Location Infrastructure Using a Memetic Multiobjective Approach. 2012 , 42, 704-709	7
300	Estimating meme fitness in adaptive memetic algorithms for combinatorial problems. 2012 , 20, 165-88	5

299	Neighborhood Search-Driven Accelerated Biogeography-Based Optimization for Optimal Load Dispatch. 2012 , 42, 641-652		54
298	A tree-structured covalent-bond-driven molecular memetic algorithm for optimization of ring-deficient molecules. 2012 , 64, 3792-3804		7
297	Memetic algorithms and memetic computing optimization: A literature review. <i>Swarm and Evolutionary Computation</i> , 2012 , 2, 1-14	9.8	380
296	A Hybrid Estimation of Distribution Algorithm with Decomposition for Solving the Multiobjective Multiple Traveling Salesman Problem. 2012 , 42, 682-691		80
295	DE-TDQL: An adaptive memetic algorithm. 2012 ,		5
294	A geometrically faithful memetic algorithm for searching sparse representations of EEG signals. 2012 ,		
293	A novel fuzzy C-means algorithm to generate diverse and desirable cluster solutions used by genetic-based clustering ensemble algorithms. <i>Memetic Computing</i> , 2012 , 4, 49-71	3.4	2
292	Memetic reproduction and protolanguage evolution. <i>Memetic Computing</i> , 2012 , 4, 19-31	3.4	3
291	Chemical Reaction Optimization: a tutorial. <i>Memetic Computing</i> , 2012 , 4, 3-17	3.4	123
290	Bacterial memetic algorithm for offline path planning of mobile robots. <i>Memetic Computing</i> , 2012 , 4, 73-86	3.4	43
289	Divide-and-conquer memetic algorithm for online multi-objective test paper generation. <i>Memetic Computing</i> , 2012 , 4, 33-47	3.4	6
288	Ockham's Razor in memetic computing: Three stage optimal memetic exploration. 2012 , 188, 17-43		114
287	Multiobjective memetic algorithms for time and space assembly line balancing. 2012 , 25, 254-273		29
286	A Unified Framework for Symbiosis of Evolutionary Mechanisms with Application to Water Clusters Potential Model Design. <i>IEEE Computational Intelligence Magazine</i> , 2012 , 7, 20-35	5.6	22
285	. <i>IEEE Computational Intelligence Magazine</i> , 2012 , 7, 16-31	5.6	9
284	Discovering Unique, Low-Energy Transition States Using Evolutionary Molecular Memetic Computing. <i>IEEE Computational Intelligence Magazine</i> , 2013 , 8, 54-63	5.6	8
283	Two-stage ensemble memetic algorithm: Function optimization and digital IIR filter design. 2013 , 220, 408-424		24
282	Mussels Wandering Optimization: An Ecologically Inspired Algorithm for Global Optimization. 2013 , 5, 188-199		39

281	A novel memetic algorithm based on invasive weed optimization and differential evolution for constrained optimization. 2013 , 17, 1893-1910		24
280	Extreme learning machine terrain-based navigation for unmanned aerial vehicles. 2013 , 22, 469-477		17
279	A framework for finding robust optimal solutions over time. <i>Memetic Computing</i> , 2013 , 5, 3-18	3.4	76
278	Automated self-organising vehicles for Barclays Cycle Hire. <i>Memetic Computing</i> , 2013 , 5, 35-48	3.4	1
277	Adaptive variable space differential evolution algorithm based on population distribution. <i>Memetic Computing</i> , 2013 , 5, 49-64	3.4	2
276	A novel memetic algorithm and its application to data clustering. <i>Memetic Computing</i> , 2013 , 5, 65-78	3.4	12
275	A Scale-Free Based Memetic Algorithm for Resource-Constrained Project Scheduling Problems. <i>Lecture Notes in Computer Science</i> , 2013 , 202-209	0.9	4
274	The selective pickup and delivery problem: Formulation and a memetic algorithm. 2013 , 141, 199-211		46
273	Re-sampled inheritance search: high performance despite the simplicity. 2013 , 17, 2235-2256		25
272	How to strike a balance between local search and global search in multiobjective memetic algorithms for multiobjective 0/1 knapsack problems. 2013 ,		2
271	Memetic algorithm for real-time combinatorial stochastic simulation optimization problems with performance analysis. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1495-509	10.2	17
270	Two-layer particle swarm optimization with intelligent division of labor. 2013 , 26, 2327-2348		33
269	Image Segmentation Using Extended Topological Active Nets Optimized by Scatter Search. <i>IEEE Computational Intelligence Magazine</i> , 2013 , 8, 16-32	5.6	12
268	A study on like-attracts-like versus elitist selection criterion for human-like social behavior of memetic multitagent systems. 2013 ,		1
267	A coevolving memetic algorithm for simultaneous partitional clustering and feature weighting. 2013 ,		
266	Re-sampling search: A seriously simple memetic approach with a high performance. 2013 ,		2
265	Realization of an Adaptive Memetic Algorithm Using Differential Evolution and Q-Learning: A Case Study in Multirobot Path Planning. 2013 , 43, 814-831		93
264	A High Performing Memetic Algorithm for the Flowshop Scheduling Problem With Blocking. 2013 , 10, 741-756		54

263	Towards Believable Resource Gathering Behaviours in Real-time Strategy Games with a Memetic Ant Colony System. 2013 , 24, 143-151		6
262	Parallel memetic structures. 2013 , 227, 60-82		87
261	Multiple Populations for Multiple Objectives: A Coevolutionary Technique for Solving Multiobjective Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 445-63	10.2	300
260	A hybrid intelligent model for order allocation planning in make-to-order manufacturing. <i>Applied Soft Computing Journal</i> , 2013 , 13, 1376-1390	7.5	27
259	Sub-pixel mapping based on artificial immune systems for remote sensing imagery. 2013 , 46, 2902-2926		48
258	Memetic search in artificial bee colony algorithm. 2013 , 17, 1911-1928		78
257	Adaptive Memetic Differential Evolution with Global and Local neighborhood-based mutation operators. 2013 , 241, 164-194		80
256	A hybrid genetic algorithm for constrained multi-objective optimization under uncertainty and target matching problems. <i>Applied Soft Computing Journal</i> , 2013 , 13, 3636-3645	7.5	16
255	Evolution by adapting surrogates. 2013 , 21, 313-40		51
254	Probabilistic memetic algorithm for flowshop scheduling. 2013 ,		3
253	Differential evolution with temporal difference Q-learning based feature selection for motor imagery EEG data. 2013 ,		3
252	A hybrid genetic algorithm for the minimum interconnection cut problem. 2013 ,		
251	Multi-objective optimization with estimation of distribution algorithm in a noisy environment. 2013 , 21, 149-77		31
250	Electricity load forecasting using support vector regression with memetic algorithms. 2013 , 2013, 292575		37
249	A competitive memetic algorithm for the distributed flow shop scheduling problem. 2014 ,		8
248	A memetic algorithm for the prize-collecting Traveling Car Renter Problem. 2014 ,		3
247	Blind optimisation problem instance classification via enhanced universal similarity metric. <i>Memetic Computing</i> , 2014 , 6, 263	3-4	1
246	A hybrid surrogate based algorithm (HSBA) to solve computationally expensive optimization problems. 2014 ,		2

245	A GS-MPSO-WKNN method for missing data imputation in wireless sensor networks monitoring manufacturing conditions. 2014 , 36, 1083-1092		6
244	Two local search components that move along the axes for memetic computing frameworks. 2014 ,		1
243	Remote sensing imagery clustering using an adaptive bi-objective memetic method. 2014 ,		
242	Multiobjective optimization based on reputation. 2014 , 286, 125-146		10
241	An analysis on separability for Memetic Computing automatic design. 2014 , 265, 1-22		76
240	Multi-level learning based memetic algorithm for community detection. <i>Applied Soft Computing Journal</i> , 2014 , 19, 121-133	7.5	83
239	A memetic algorithm for enhancing the robustness of scale-free networks against malicious attacks. 2014 , 410, 131-143		81
238	The double layer optimization problem to express logistics systems and its heuristic algorithm. 2014 , 41, 237-245		1
237	An efficient differential evolution using speeded-up k-nearest neighbor estimator. 2014 , 18, 35-49		15
236	An improved memetic algorithm using ring neighborhood topology for constrained optimization. 2014 , 18, 2023-2041		16
235	Evolutionary algorithms with segment-based search for multiobjective optimization problems. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1295-313	10.2	77
234	Memetic techniques for examination timetabling. 2014 , 218, 23-50		30
233	Comprehensive learning particle swarm optimization based memetic algorithm for model selection in short-term load forecasting using support vector regression. <i>Applied Soft Computing Journal</i> , 2014 , 25, 15-25	7.5	70
232	Image retrieval based on 4096-tree and Memetic Algorithm. 2014 ,		
231	Benchmarking Optimization Algorithms: An Open Source Framework for the Traveling Salesman Problem. <i>IEEE Computational Intelligence Magazine</i> , 2014 , 9, 40-52	5.6	45
230	Automatic feature selection of motor imagery EEG signals using differential evolution and learning automata. 2014 , 52, 131-9		44
229	Novel calculation of fuzzy exponent in the sigmoid functions for fuzzy neural networks. <i>Neurocomputing</i> , 2014 , 129, 458-466	5.4	13
228	Region based memetic algorithm for real-parameter optimisation. 2014 , 262, 15-31		13

227	. 2014 , 7, 1235-1248	56
226	Optimal filter design using an improved artificial bee colony algorithm. 2014 , 281, 443-461	50
225	. <i>IEEE Computational Intelligence Magazine</i> , 2014 , 9, 58-69	5.6 8
224	A strategic flight conflict avoidance approach based on a memetic algorithm. 2014 , 27, 93-101	24
223	Enhancing network robustness against targeted and random attacks using a memetic algorithm. 2015 , 111, 38005	20
222	Evolutionary multitasking in bi-level optimization. 2015 , 1, 83-95	57
221	. 2015 , 53, 4202-4217	52
220	Evolutionary design of discrete controllers for hybrid mechatronic systems. 2015 , 46, 303-316	1
219	Global/local population memetic algorithm for solving the forward kinematics of parallel manipulators. 2015 , 27, 22-39	5
218	Adaptation and Hybridization in Nature-Inspired Algorithms. <i>Adaptation, Learning, and Optimization</i> , 2015 , 3-50	0.7 24
217	Strategic flight assignment approach based on multi-objective parallel evolution algorithm with dynamic migration interval. 2015 , 28, 556-563	7
216	A Multi-objective Memetic Algorithm for Network-Wide Flights Planning Optimization. 2015 ,	2
215	Effectiveness of approximation strategy in surrogate-assisted fireworks algorithm. 2015 , 6, 795-810	6
214	A study on meme propagation in multimemetic algorithms. 2015 , 25, 499-512	
213	A Study of the Continuous Optimization Problem Using a Wood Robot Controlled by a Biologically Motivated System. 2015 , 137,	2
212	Sub-pixel mapping based on memetic algorithm for hyperspectral imagery. 2015 ,	1
211	A likelihood-based QUALIFLEX method with interval type-2 fuzzy sets for multiple criteria decision analysis. 2015 , 19, 2225-2243	35
210	Three-dimensional Gabor feature extraction for hyperspectral imagery classification using a memetic framework. 2015 , 298, 274-287	84

209	Characterization of the Performance of Memetic Algorithms for the Automation of Bone Tracking With Fluoroscopy. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 19-30	15.6	7
208	Memetic Search With Interdomain Learning: A Realization Between CVRP and CARP. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 644-658	15.6	119
207	Adaptive memetic computing for evolutionary multiobjective optimization. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 610-21	10.2	50
206	Accelerating Artificial Bee Colony algorithm with adaptive local search. <i>Memetic Computing</i> , 2015 , 7, 215-230	3.4	29
205	A novel optimization hardness indicator based on the relationship between optimization hardness and frequency features of real-parameter problems. 2015 , 19, 2287-2303		0
204	Adjustment of basal insulin infusion rate in T1DM by hybrid PSO. 2015 , 19, 1921-1937		3
203	A binary ABC algorithm based on advanced similarity scheme for feature selection. <i>Applied Soft Computing Journal</i> , 2015 , 36, 334-348	7.5	99
202	A GRASP-based memetic algorithm with path relinking for the far from most string problem. 2015 , 41, 183-194		12
201	A memetic optimization strategy based on dimension reduction in decision space. 2015 , 23, 69-100		28
200	Memetic and Hybrid Evolutionary Algorithms. 2015 , 1047-1060		2
199	Molecular dynamics simulation of the cooperative effect by different force fields in monosodium glutamate aqueous solution. 2015 , 5, 35572-35578		5
198	A Hybrid Evolutionary Deterministic Optimization Approach for Conceptual Design. 2015 , 54, 10054-10072		28
197	Deep community detection based on memetic algorithm. 2015 ,		2
196	A Memetic Algorithm for the Location-Based Continuously Operating Reference Stations Placement Problem in Network Real-Time Kinematic. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2214-23 ^{10.2}		6
195	A memetic algorithm applied to trajectory control by tuning of Fractional Order Proportional-Integral-Derivative controllers. <i>Applied Soft Computing Journal</i> , 2015 , 36, 599-617	7.5	64
194	Memes as building blocks: a case study on evolutionary optimization + transfer learning for routing problems. <i>Memetic Computing</i> , 2015 , 7, 159-180	3.4	65
193	Digital IIR Filter Design with Fix-Point Representation Using Effective Evolutionary Local Search Enhanced Differential Evolution. 2015 , 131-157		
192	An evolutionary algorithm with adaptive scalarization for multiobjective bilevel programs. 2015 ,		9

191	The origin of prostate metastases: emerging insights. 2015 , 34, 765-73	28
190	Cluster-Based Population Initialization for differential evolution frameworks. 2015 , 297, 216-235	66
189	Enhancing the calibration of an urban growth model using a memetic algorithm. 2015 , 50, 53-65	14
188	A Hybrid Genetic Algorithm for the Energy-Efficient Virtual Machine Placement Problem in Data Centers. 2015 , 41, 211-221	102
187	Global path planning of mobile robots using a memetic algorithm. 2015 , 46, 1982-1993	25
186	A hybrid particle swarm optimization based memetic algorithm for DNA sequence compression. 2015 , 19, 1255-1268	5
185	A novel binary artificial bee colony algorithm based on genetic operators. 2015 , 297, 154-170	108
184	A simultaneous perturbation stochastic approximation enhanced teaching-learning based optimization. 2016 ,	2
183	Evolutionary multitasking in permutation-based combinatorial optimization problems: Realization with TSP, QAP, LOP, and JSP. 2016 ,	53
182	Evolutionary multitasking across single and multi-objective formulations for improved problem solving. 2016 ,	18
181	A novel water wave optimization based memetic algorithm for flow-shop scheduling. 2016 ,	7
180	Genetic transfer or population diversification? Deciphering the secret ingredients of evolutionary multitask optimization. 2016 ,	19
179	Landscape synergy in evolutionary multitasking. 2016 ,	28
178	An effective TLBO-based memetic algorithm for hypersonic reentry trajectory optimization. 2016 ,	2
177	Scheduling of no-wait stochastic distributed assembly flowshop by hybrid PSO. 2016 ,	9
176	Mitigate Cascading Failures on Networks using a Memetic Algorithm. 2016 , 6, 38713	13
175	A memetic evolutionary algorithm for bi-level combinatorial optimization: A realization between Bi-MDVRP and Bi-CVRP. 2016 ,	3
174	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 908-923	15.6 23

173	An Efficient Memetic Algorithm for Influence Maximization in Social Networks. <i>IEEE Computational Intelligence Magazine</i> , 2016 , 11, 22-33	5.6	56
172	A Competitive Memetic Algorithm for Carbon-Efficient Scheduling of Distributed Flow-Shop. <i>Lecture Notes in Computer Science</i> , 2016 , 476-488	0.9	10
171	Optimal targeting of nonlinear chaotic systems using a novel evolutionary computing strategy. 2016 , 107, 261-270		11
170	. 2016 , 35, 23-28		6
169	Towards a new Praxis in optinformatics targeting knowledge re-use in evolutionary computation: simultaneous problem learning and optimization. 2016 , 9, 203-220		15
168	A memetic approach to vehicle routing problem with dynamic requests. <i>Applied Soft Computing Journal</i> , 2016 , 48, 522-534	7.5	35
167	A novel improved teaching-learning based optimization for functional optimization. 2016 ,		5
166	Evolutionary Multitasking: A Computer Science View of Cognitive Multitasking. 2016 , 8, 125-142		132
165	A knowledge-guided fruit fly optimization algorithm for dual resource constrained flexible job-shop scheduling problem. 2016 , 54, 5554-5566		59
164	A splicing-driven memetic algorithm for reconstructing cross-cut shredded text documents. <i>Applied Soft Computing Journal</i> , 2016 , 45, 163-172	7.5	10
163	Trustworthy Stigmergic Service Composition and Adaptation in Decentralized Environments. 2016 , 9, 317-329		28
162	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 65-80	15.6	68
161	Studying self-balancing strategies in island-based multimemetic algorithms. 2016 , 293, 180-191		15
160	The Boon of Gene-Culture Interaction for Effective Evolutionary Multitasking. <i>Lecture Notes in Computer Science</i> , 2016 , 54-65	0.9	6
159	Parameter estimation of nonlinear chaotic system by improved TLBO strategy. 2016 , 20, 4965-4980		21
158	Global Biological Network Alignment by Using Efficient Memetic Algorithm. 2016 , 13, 1117-1129		12
157	Multifactorial Evolution: Toward Evolutionary Multitasking. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 343-357	15.6	292
156	Optimizing dynamical changes of structural balance in signed network based on memetic algorithm. 2016 , 44, 64-73		16

155	A Memetic Algorithm for Global Optimization of Multimodal Nonseparable Problems. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1375-87	10.2	19
154	Parallel improved quantum inspired evolutionary algorithm to solve large size Quadratic Knapsack Problems. <i>Swarm and Evolutionary Computation</i> , 2016 , 26, 175-190	9.8	13
153	A competitive memetic algorithm for the distributed two-stage assembly flow-shop scheduling problem. 2016 , 54, 3561-3577		54
152	A multi-objective memetic algorithm based on locality-sensitive hashing for one-to-many-to-one dynamic pickup-and-delivery problem. 2016 , 329, 73-89		51
151	Improved Memetic Algorithm Based on Route Distance Grouping for Multiobjective Large Scale Capacitated Arc Routing Problems. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1000-13	10.2	39
150	Fly flight artificial bee colony algorithm. 2016 , 47, 2652-2670		56
149	Memetic algorithm with Preferential Local Search using adaptive weights for multi-objective optimization problems. 2016 , 20, 1365-1388		14
148	Memetic Viability Evolution for Constrained Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 125-144	15.6	29
147	An adaptive memetic framework for multi-objective combinatorial optimization problems: studies on software next release and travelling salesman problems. 2017 , 21, 2215-2236		6
146	Structured Memetic Automation for Online Human-Like Social Behavior Learning. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 102-115	15.6	14
145	A Hybrid Symbiosis Organisms Search algorithm and its application to real world problems. <i>Memetic Computing</i> , 2017 , 9, 261-280	3.4	24
144	Multiobjective Multifactorial Optimization in Evolutionary Multitasking. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 1652-1665	10.2	155
143	Power law-based local search in spider monkey optimisation for lower order system modelling. 2017 , 48, 150-160		26
142	Memetic Algorithm with Constrained Local Search for Large-Scale Global Optimization. 2017 , 26, 287-300		1
141	An Evolutionary Transfer Reinforcement Learning Framework for Multiagent Systems. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 601-615	15.6	41
140	Facing the phase problem in Coherent Diffractive Imaging via Memetic Algorithms. 2017 , 7, 42236		18
139	Statistical and computational intelligence approach to analytic continuation in Quantum Monte Carlo. 2017 , 2, 302-323		17
138	Coevolutionary multitasking for concurrent global optimization: With case studies in complex engineering design. 2017 , 64, 13-24		37

137	Memetic algorithm based location and topic aware recommender system. 2017 , 131, 125-134		12
136	Autoencoding Evolutionary Search With Learning Across Heterogeneous Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 760-772	15.6	51
135	IIR filters designing by water wave optimization. 2017 ,		4
134	On the Design of Game-Playing Agents. 2017 , 1, 1-186		
133	Evolutionary Computation Theory for Remote Sensing Image Clustering: A Survey. <i>Lecture Notes in Computer Science</i> , 2017 , 528-539	0.9	3
132	EDA based probabilistic Memetic Algorithm for distributed blocking permutation flowshop scheduling with sequence dependent setup time. 2017 ,		5
131	Team effectiveness based optimization. 2017 ,		
130	Self-healing strategies for memetic algorithms in unstable and ephemeral computational environments. 2017 , 16, 189-200		13
129	A Micro-cloning dynamic multiobjective algorithm with an adaptive change reaction strategy. 2017 , 21, 3781-3801		9
128	An improved TLBO based memetic algorithm for aerodynamic shape optimization. 2017 , 57, 1-15		29
127	Optimal placement and sizing of capacitor using Limaón inspired spider monkey optimization algorithm. <i>Memetic Computing</i> , 2017 , 9, 311-331	3.4	30
126	On the Emerging Notion of Evolutionary Multitasking: A Computational Analog of Cognitive Multitasking. <i>Adaptation, Learning, and Optimization</i> , 2017 , 139-157	0.7	3
125	Adaptive multimeme algorithm for flexible job shop scheduling problem. 2017 , 16, 677-698		4
124	Gene Expression Programming: A Survey [Review Article]. <i>IEEE Computational Intelligence Magazine</i> , 2017 , 12, 54-72	5.6	55
123	Memetic-based schedule synthesis for communication on time-triggered embedded systems. 2017 , 13, 155014771773816		2
122	Parameter Tuning for Local-Search-Based Matheuristic Methods. 2017 , 2017, 1-15		6
121	Optimization of the Critical Diameter and Average Path Length of Social Networks. 2017 , 2017, 1-11		3
120	Reversing structural balance in signed networks. 2018 , 503, 780-792		10

119	Locating Multiple Optima via Brain Storm Optimization Algorithms. 2018 , 6, 17039-17049		17
118	. 2018 , 2, 51-64		133
117	A new hybrid memetic multi-objective optimization algorithm for multi-objective optimization. 2018 , 448-449, 164-186		21
116	Mining fuzzy association rules using a memetic algorithm based on structure representation. <i>Memetic Computing</i> , 2018 , 10, 15-28	3.4	14
115	Multi-objective evolutionary algorithm using problem-specific genetic operators for community detection in networks. 2018 , 30, 2907-2920		12
114	Detecting composite communities in multiplex networks: A multilevel memetic algorithm. <i>Swarm and Evolutionary Computation</i> , 2018 , 39, 177-191	9.8	11
113	A two-level learning strategy based memetic algorithm for enhancing community robustness of networks. 2018 , 422, 290-304		17
112	Three-dimensional protein structure prediction based on memetic algorithms. 2018 , 91, 160-177		11
111	Computational intelligence in optical remote sensing image processing. <i>Applied Soft Computing Journal</i> , 2018 , 64, 75-93	7.5	120
110	A Novel Integer-Coded Memetic Algorithm for the Set -Cover Problem in Wireless Sensor Networks. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 2245-2258	10.2	35
109	Coherent Diffraction Imaging in Transmission Electron Microscopy for Atomic Resolution Quantitative Studies of the Matter. 2018 , 11,		2
108	Current Applications of Machine Learning Techniques in CRM: A Literature Review and Practical Implications. 2018 ,		8
107	Information Collection Strategies In Memetic Cooperative Neuroevolution For Time Series Prediction. 2018 ,		1
106	Exploitation Enhanced Sine Cosine Algorithm with Compromised Population Diversity for Optimization. 2018 ,		2
105	Diversification-driven Memetic Algorithm for the Maximum Diversity Problem. 2018 ,		1
104	A Sawtooth Growing Exploitation Framework for Memetic Algorithms. 2018 ,		0
103	A memetic algorithm for determining the nodal attacks with minimum cost on complex networks. 2018 , 503, 1041-1053		5
102	Analyzing self-? island-based memetic algorithms in heterogeneous unstable environments. 2018 , 32, 676-692		1

101	Automatically discovering clusters of algorithm and problem instance behaviors as well as their causes from experimental data, algorithm setups, and instance features. <i>Applied Soft Computing Journal</i> , 2018 , 73, 366-382	7.5	8
100	Memetic social spider optimization algorithm for scheduling two-stage assembly flowshop in a distributed environment. <i>Computers and Industrial Engineering</i> , 2018 , 125, 423-433	6.4	31
99	Memetic Algorithms. 2018 , 607-638		6
98	Metaheuristics for Medical Image Registration. 2018 , 1079-1101		3
97	Addressing expensive multi-objective games with postponed preference articulation via memetic co-evolution. 2018 , 154, 17-31		7
96	Interactive Multiobjective Optimization: A Review of the State-of-the-Art. 2018 , 6, 41256-41279		50
95	From ephemeral computing to deep bioinspired algorithms: New trends and applications. 2018 , 88, 735-746		10
94	A Survey of Recent Trends in Multiobjective Optimal Control Surrogate Models, Feedback Control and Objective Reduction. 2018 , 23, 30		31
93	Genetic Algorithm and Its Advances in Embracing Memetics. 2019 , 61-84		0
92	Memetic Search for Identifying Critical Nodes in Sparse Graphs. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 3699-3712	10.2	28
91	Memetic Evolution Strategy for Reinforcement Learning. 2019 ,		3
90	. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 1-1	15.6	8
89	Memetic Algorithms for Business Analytics and Data Science: A Brief Survey. 2019 , 545-608		4
88	Infeasibility and structural bias in differential evolution. 2019 , 496, 161-179		43
87	A hybrid memetic-ant colony optimization algorithm for the home health care problem with time window, synchronization and working time balancing. <i>Swarm and Evolutionary Computation</i> , 2019 , 46, 171-183	9.8	38
86	Hybrid Genetic Grey Wolf Algorithm for Large-Scale Global Optimization. 2019 , 2019, 1-18		23
85	Multiobjective memetic algorithm based on adaptive local search chains for vehicle routing problem with time windows. 2019 , 1		3
84	Memetic Variable Clustering and Its Application. 2019 , 2019, 1-15		

83	Introduction: The Rise of Memetics in Computing. <i>Adaptation, Learning, and Optimization</i> , 2019 , 1-13	0.7
82	Fully Automatic Spectral Spatial Fuzzy Clustering Using an Adaptive Multiobjective Memetic Algorithm for Multispectral Imagery. 2019 , 57, 2324-2340	11
81	Memetic frog leaping algorithm for global optimization. 2019 , 23, 11077-11105	9
80	An Accelerated Introduction to Memetic Algorithms. 2019 , 275-309	12
79	Curbing Negative Influences Online for Seamless Transfer Evolutionary Optimization. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 4365-4378	10.2 33
78	A memetic algorithm to optimize critical diameter. <i>Swarm and Evolutionary Computation</i> , 2019 , 47, 56-65	0.8 1
77	Integrated scheduling of production and distribution operations in a global MTO supply chain. 2019 , 13, 490-514	15
76	On distributed user-centric memetic algorithms. 2019 , 23, 4019-4039	2
75	Gene Expression Data Clustering Using Variance-based Harmony Search Algorithm. 2019 , 65, 641-652	4
74	Domination landscape in evolutionary algorithms and its applications. 2019 , 23, 3563-3570	8
73	Global and Local Surrogate-Assisted Differential Evolution for Expensive Constrained Optimization Problems With Inequality Constraints. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1642-1656	10.2 57
72	Bio-inspired heuristics hybrid with sequential quadratic programming and interior-point methods for reliable treatment of economic load dispatch problem. 2019 , 31, 447-475	32
71	Hybrid Evolutionary Algorithm for Optimizing Reliability of Complex Systems. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 108-119	0.4
70	Reconstructing gene regulatory networks via memetic algorithm and LASSO based on recurrent neural networks. 2020 , 24, 4205-4221	4
69	Cost-Aware Robust Control of Signed Networks by Using a Memetic Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4430-4443	10.2 11
68	MUMI: Multitask Module Identification for Biological Networks. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 765-776	15.6 7
67	A Bi-Population Cooperative Memetic Algorithm for Distributed Hybrid Flow-Shop Scheduling. 2020 , 1-15	11
66	An Adaptive Memetic P System to Solve the 0/1 Knapsack Problem. 2020 ,	1

65	Path planning of multiple UAVs using MMACO and DE algorithm in dynamic environment. 2020 , 002029402091572		
64	Performance analysis of real-coded evolutionary algorithms under a computationally expensive optimization scenario: 3D π D Comparative Radiography. <i>Applied Soft Computing Journal</i> , 2020 , 97, 106793-5	7.5	2
63	Memetic Multi-agent optimization with Problem Reformulation by Coordinate Rotation. 2020 ,		
62	Learning ensembles of priority rules for online scheduling by hybrid evolutionary algorithms. 2020 , 28, 65-80		8
61	Neuro-optimized numerical solution of non-linear problem based on Flierl-Betviashvili equation. 2020 , 2, 1		2
60	Evolutionary computation-based multiobjective capacitated arc routing optimizations. 2020 , 233-300		
59	An Energy Function for Computing Structural Balance in Fully Signed Network. 2020 , 7, 696-708		3
58	An Overview on the Latest Nature-Inspired and Metaheuristics-Based Image Registration Algorithms. 2020 , 10, 1928		7
57	Preventing epidemic spreading in networks by community detection and memetic algorithm. <i>Applied Soft Computing Journal</i> , 2020 , 89, 106118	7.5	22
56	Nature-inspired optimization algorithms for community detection in complex networks: a review and future trends. 2020 , 74, 225-252		9
55	Evolutionary Multiagent Transfer Learning With Model-Based Opponent Behavior Prediction. 2020 , 1-15		6
54	Echo state learned compositional pattern neural networks for the early diagnosis of cancer on the internet of medical things platform. 2021 , 12, 3303-3316		2
53	The Collaborative Local Search Based on Dynamic-Constrained Decomposition With Grids for Combinatorial Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2639-2650	10.2	9
52	Multiobjective Sine Cosine Algorithm for Remote Sensing Image Spatial-Spectral Clustering. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
51	Optinformatics Across Heterogeneous Problem Domains and Solvers. <i>Adaptation, Learning, and Optimization</i> , 2021 , 75-139		0.7
50	Elite Exploitation: A Combination of Mathematical Concept and EMO Approach for Multi-Objective Decision Making. <i>Symmetry</i> , 2021 , 13, 136		2.7
49	A Cooperative Memetic Algorithm with Learning-Based Agent for Energy-Aware Distributed Hybrid Flow-Shop Scheduling. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	8
48	A novel meta-heuristic approach for influence maximization in social networks. <i>Expert Systems</i> , e12676	2.1	

47	Inferring Absolutely Non-Circular Attribute Grammars with a Memetic Algorithm. <i>Applied Soft Computing Journal</i> , 2021 , 100, 106956	7.5	2
46	A cooperative coevolution framework for evolutionary learning and instance selection. <i>Swarm and Evolutionary Computation</i> , 2021 , 62, 100840	9.8	2
45	An adaptive and opposite K-means operation based memetic algorithm for data clustering. <i>Neurocomputing</i> , 2021 , 437, 131-142	5.4	6
44	Covariance Pattern Search with Eigenvalue-determined Radii. 2021 ,		
43	Improved binary particle swarm optimization for feature selection with new initialization and search space reduction strategies. <i>Applied Soft Computing Journal</i> , 2021 , 106, 107302	7.5	24
42	Multi-Objective Evolutionary Algorithm for PET Image Reconstruction: Concept. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2142-2151	11.7	4
41	Automatic unit layout of masonry structure using memetic algorithm and building information modeling. <i>Automation in Construction</i> , 2021 , 130, 103858	9.6	1
40	Optinformatics Within a Single Problem Domain. <i>Adaptation, Learning, and Optimization</i> , 2021 , 17-74	0.7	
39	An Analysis of Migration Strategies in Island-Based Multimemetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2014 , 731-740	0.9	13
38	Self-Balancing Multimemetic Algorithms in Dynamic Scale-Free Networks. <i>Lecture Notes in Computer Science</i> , 2015 , 177-188	0.9	4
37	Self-sampling Strategies for Multimemetic Algorithms in Unstable Computational Environments. <i>Lecture Notes in Computer Science</i> , 2015 , 69-78	0.9	3
36	A Study of the Performance of (text {Self-}*) Memetic Algorithms on Heterogeneous Ephemeral Environments. <i>Lecture Notes in Computer Science</i> , 2016 , 91-100	0.9	2
35	Evolutionary Game Network Reconstruction by Memetic Algorithm with l1/2 Regularization. <i>Lecture Notes in Computer Science</i> , 2017 , 15-26	0.9	1
34	Adaptive Imitation Scheme for Memetic Algorithms. <i>International Federation for Information Processing</i> , 2011 , 109-116		6
33	Compact Optimization. <i>Intelligent Systems Reference Library</i> , 2013 , 337-364	0.8	15
32	An Efficient Two-Phase Ant Colony Optimization Algorithm for the Closest String Problem. <i>Lecture Notes in Computer Science</i> , 2012 , 188-197	0.9	1
31	Interactive GA Flock Brush for Non-Photorealistic Rendering. <i>Lecture Notes in Computer Science</i> , 2012 , 480-490	0.9	2
30	Multi-modal Valley-Adaptive Memetic Algorithm for Efficient Discovery of First-Order Saddle Points. <i>Lecture Notes in Computer Science</i> , 2012 , 83-92	0.9	3

29	On Fundamentals of Global Systems Control Science (GSCS). <i>Emergence, Complexity and Computation</i> , 2014 , 77-87	0.1	6
28	Heterogeneous Multi-robot Mission Planning for Coordinated Tasks Execution. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 167-173	0.4	1
27	Recommender Systems Based on Evolutionary Computing: A Survey. <i>Journal of Software Engineering and Applications</i> , 2017 , 10, 407-421	0.6	3
26	Cluster-Based Memetic Approach of Image Alignment. <i>Electronics (Switzerland)</i> , 2021 , 10, 2606	2.6	1
25	Performance of Infeasibility Empowered Memetic Algorithm (IEMA) on Engineering Design Problems. <i>Lecture Notes in Computer Science</i> , 2010 , 425-434	0.9	2
24	A Memetic Approach to Protein Structure Prediction in Triangular Lattices. <i>Lecture Notes in Computer Science</i> , 2011 , 625-635	0.9	
23	Memetic Input Variable Selection in Neuro-Genetic Prediction System. <i>Lecture Notes in Computer Science</i> , 2012 , 420-429	0.9	
22	Solving Graph Coloring Problem by Fuzzy Clustering-Based Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2012 , 351-360	0.9	1
21	An Analysis of a Selecto-Lamarckian Model of Multimemetic Algorithms with Dynamic Self-organized Topology. <i>Lecture Notes in Computer Science</i> , 2013 , 205-216	0.9	1
20	The Baldwin Effect Hinders Self-Adaptation. <i>Lecture Notes in Computer Science</i> , 2014 , 120-129	0.9	
19	Agent-Based Approach to Continuous Optimisation. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 487-494	0.4	
18	Sensitivity Analysis of Checkpointing Strategies for Multimemetic Algorithms on Unstable Complex Networks. <i>Lecture Notes in Computer Science</i> , 2015 , 243-250	0.9	1
17	Metaheuristics for Medical Image Registration. 2016 , 1-22		1
16	Memetic Algorithms. 2016 , 1-32		2
15	A Multi-objective Hybrid Intelligent Optimization Model for Order Planning with Uncertainties. 2016 , 147-186		
14	Network Community Discovery with Evolutionary Single-Objective Optimization. 2017 , 21-72		
13	Dynamics. <i>Contemporary Systems Thinking</i> , 2018 , 63-144	0.7	
12	A Memetic Algorithm for Evolving Deep Convolutional Neural Network in Image Classification. 2020 ,		1

11	Meme-Based Computational Optimization Framework. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 155-165	0.4	
10	Self-Regulated Particle Swarm Multi-Task Optimization. <i>Sensors</i> , 2021 , 21,	3.8	0
9	Solving vehicle routing problem by memetic search with evolutionary multitasking. <i>Memetic Computing</i> , 1	3.4	3
8	Automatic compiler/interpreter generation from programs for Domain-Specific Languages: Code bloat problem and performance improvement. <i>Journal of Computer Languages</i> , 2022 , 70, 101105	1.5	1
7	A cooperative memetic algorithm with feedback for the energy-aware distributed flow-shops with flexible assembly scheduling. <i>Computers and Industrial Engineering</i> , 2022 , 168, 108126	6.4	3
6	Enhanced Multifactorial Evolutionary Algorithm With Meme Helper-Tasks. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	2
5	A Fuzzy Memetic Moth Flame Optimization Algorithm for Composing Medical Crews with Equity and Efficiency. <i>SSRN Electronic Journal</i> ,	1	
4	Multiresolution community detection in complex networks by using a decomposition based multiobjective memetic algorithm. <i>Memetic Computing</i> ,	3.4	
3	Recent Advances of Computational Intelligence Techniques for Composing Music. 2022 , 1-20		0
2	A memetic algorithm for finding multiple subgraphs that optimally cover an input network. 2023 , 18, e0280506		0
1	The Multi-Factorial Evolutionary Algorithm. 2023 , 31-46		0