

Mengjie Zhang

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.

464
papers

9,759
citations

43
h-index

83
g-index

516
ext. papers

12,706
ext. citations

5
avg, IF

7.32
L-index

#	Paper	IF	Citations
464	Fuzzy filter cost-sensitive feature selection with differential evolution. <i>Knowledge-Based Systems</i> , 2022 , 241, 108259	7.3	2
463	Confidence-based Ant Colony Optimization for Capacitated Electric Vehicle Routing Problem with Comparison of Different Encoding Schemes. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	0
462	BenchENAS: A Benchmarking Platform for Evolutionary Neural Architecture Search. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	2
461	Genetic programming for feature extraction and construction in image classification. <i>Applied Soft Computing Journal</i> , 2022 , 118, 108509	7.5	2
460	Simplifying Dispatching Rules in Genetic Programming for Dynamic Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2022 , 95-110	0.9	0
459	An Object-Based Genetic Programming Approach for Cropland Field Extraction. <i>Remote Sensing</i> , 2022 , 14, 1275	5	3
458	Guest Editorial Special Issue on Multitask Evolutionary Computation. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 26, 202-205	15.6	0
457	Using a small number of training instances in genetic programming for face image classification. <i>Information Sciences</i> , 2022 , 593, 488-504	7.7	1
456	Genetic programming for automatic skin cancer image classification. <i>Expert Systems With Applications</i> , 2022 , 197, 116680	7.8	1
455	Multi-objective Genetic Programming with the Adaptive Weighted Splines Representation for Symbolic Regression. <i>Lecture Notes in Computer Science</i> , 2022 , 51-67	0.9	
454	A New Genetic Algorithm for Automated Spectral Pre-processing in Nutrient Assessment. <i>Lecture Notes in Computer Science</i> , 2022 , 283-298	0.9	
453	An Investigation of Multitask Linear Genetic Programming for Dynamic Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2022 , 162-178	0.9	0
452	Knowledge Transfer Genetic Programming with Auxiliary Population for Solving Uncertain Capacitated Arc Routing Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	0
451	Genetic Programming for Image Classification: A New Program Representation with Flexible Feature Reuse. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6	1
450	Multitask Feature Learning as Multiobjective Optimization: A New Genetic Programming Approach to Image Classification. <i>IEEE Transactions on Cybernetics</i> , 2022 , 1-14	10.2	1
449	Genetic Programming for Evolving a Front of Interpretable Models for Data Visualization. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 5468-5482	10.2	9
448	Genetic Programming with Knowledge Transfer and Guided Search for Uncertain Capacitated Arc Routing Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	2

447	High-dimensional Unbalanced Binary Classification by Genetic Programming with Multi-criterion Fitness Evaluation and Selection.. <i>Evolutionary Computation</i> , 2021 , 1-26	4.3	2
446	Correlation-Guided Updating Strategy for Feature Selection in Classification with Surrogate-Assisted Particle Swarm Optimisation. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	2
445	Investigating the Correlation Amongst the Objective and Constraints in Gaussian Process-Assisted Highly-Constrained Expensive Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	1
444	ArcText: A Unified Text Approach to Describing Convolutional Neural Network Architectures. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 1-1	4.7	
443	A Two-Stage Efficient Evolutionary Neural Architecture Search Method for Image Classification. <i>Lecture Notes in Computer Science</i> , 2021 , 469-484	0.9	
442	Automatic Feature Extraction and Construction Using Genetic Programming for Rotating Machinery Fault Diagnosis. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4909-4923	10.2	12
441	Multi-objective genetic programming for feature learning in face recognition. <i>Applied Soft Computing Journal</i> , 2021 , 103, 107152	7.5	11
440	Transductive transfer learning based Genetic Programming for balanced and unbalanced document classification using different types of features. <i>Applied Soft Computing Journal</i> , 2021 , 103, 107172	7.5	2
439	. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 492-507	15.6	1
438	Preserving Population Diversity Based on Transformed Semantics in Genetic Programming for Symbolic Regression. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 433-447	15.6	1
437	Automatically Extracting Features Using Genetic Programming for Low-Quality Fish Image Classification 2021 ,		2
436	Correlation Coefficient-Based Recombinative Guidance for Genetic Programming Hyperheuristics in Dynamic Flexible Job Shop Scheduling. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 552-566	15.6	12
435	A Forward Search Inspired Particle Swarm Optimization Algorithm for Feature Selection in Classification 2021 ,		3
434	Genetic Algorithm for Feature and Latent Variable Selection for Nutrient Assessment in Horticultural Products 2021 ,		2
433	Genetic programming for borderline instance detection in high-dimensional unbalanced classification 2021 ,		1
432	Feature Selection for Evolving Many-Objective Job Shop Scheduling Dispatching Rules with Genetic Programming 2021 ,		2
431	A Grid-dominance based Multi-objective Algorithm for Feature Selection in Classification 2021 ,		2
430	A novel multi-task genetic programming approach to uncertain capacitated Arc routing problem 2021 ,		2

429	GP with a Hybrid Tree-vector Representation for Instance Selection and Symbolic Regression on Incomplete Data 2021 ,		1
428	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
427	Evolutionary Multi-Objective Optimization for Web Service Location Allocation Problem. <i>IEEE Transactions on Services Computing</i> , 2021 , 14, 458-471	4.8	16
426	Genetic Programming With Image-Related Operators and a Flexible Program Structure for Feature Learning in Image Classification. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 87-101	15.6	19
425	Genetic Programming With a New Representation to Automatically Learn Features and Evolve Ensembles for Image Classification. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1769-1783	10.2	23
424	Evolving Scheduling Heuristics via Genetic Programming With Feature Selection in Dynamic Flexible Job-Shop Scheduling. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1797-1811	10.2	31
423	. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 205-218	15.6	18
422	Genetic programming for development of cost-sensitive classifiers for binary high-dimensional unbalanced classification. <i>Applied Soft Computing Journal</i> , 2021 , 101, 106989	7.5	7
421	A New Binary Particle Swarm Optimization Approach: Momentum and Dynamic Balance Between Exploration and Exploitation. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 589-603	10.2	24
420	People-Centric Evolutionary System for Dynamic Production Scheduling. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1403-1416	10.2	11
419	Genetic Programming for Image Classification. <i>Adaptation, Learning, and Optimization</i> , 2021 ,	0.7	12
418	GP with Image Descriptors for Learning Global and Local Features. <i>Adaptation, Learning, and Optimization</i> , 2021 , 117-143	0.7	
417	Evolutionary Computation and Genetic Programming. <i>Adaptation, Learning, and Optimization</i> , 2021 , 49-74.7		
416	Genetic Programming with Niching for Uncertain Capacitated Arc Routing Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	2
415	Evolutionary Multitasking for Feature Selection in High-dimensional Classification via Particle Swarm Optimisation. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	7
414	Collaborative Multifidelity-Based Surrogate Models for Genetic Programming in Dynamic Flexible Job Shop Scheduling. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	7
413	Automatically Evolving Texture Image Descriptors Using the Multitree Representation in Genetic Programming Using Few Instances. <i>Evolutionary Computation</i> , 2021 , 29, 331-366	4.3	1
412	Evolutionary Deep Learning Using GP with Convolution Operators. <i>Adaptation, Learning, and Optimization</i> , 2021 , 97-115	0.7	

411	Multi-Tree Genetic Programming with New Operators for Transfer Learning in Symbolic Regression with Incomplete Data. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	3
410	Random Forest-Assisted GP for Feature Learning. <i>Adaptation, Learning, and Optimization</i> , 2021 , 207-226	0.7	
409	Evolutionary Neural Architecture Search for High-Dimensional Skip-Connection Structures on DenseNet Style Networks. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	18
408	Improved Crowding Distance in Multi-objective Optimization for Feature Selection in Classification. <i>Lecture Notes in Computer Science</i> , 2021 , 489-505	0.9	2
407	Learning and Sharing: A Multitask Genetic Programming Approach to Image Feature Learning. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	4
406	A new imputation method based on genetic programming and weighted KNN for symbolic regression with incomplete data. <i>Soft Computing</i> , 2021 , 25, 5993-6012	3.5	10
405	. <i>IEEE Computational Intelligence Magazine</i> , 2021 , 16, 84-98	5.6	6
404	Genetic Programming with Delayed Routing for Multiobjective Dynamic Flexible Job Shop Scheduling. <i>Evolutionary Computation</i> , 2021 , 29, 75-105	4.3	8
403	Multi-objective genetic programming for symbolic regression with the adaptive weighted splines representation 2021 ,		1
402	Surrogate-Assisted Evolutionary Multitask Genetic Programming for Dynamic Flexible Job Shop Scheduling. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 651-665	15.6	26
401	Multi-View Feature Construction Using Genetic Programming for Rolling Bearing Fault Diagnosis [Application Notes]. <i>IEEE Computational Intelligence Magazine</i> , 2021 , 16, 79-94	5.6	4
400	Evolving Deep Convolutional Variational Autoencoders for Image Classification. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 25, 815-829	15.6	5
399	Surrogate-Assisted Particle Swarm Optimization for Evolving Variable-Length Transferable Blocks for Image Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	2
398	A Divide-and-Conquer Genetic Programming Algorithm with Ensembles for Image Classification. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	9
397	A Survey on Evolutionary Neural Architecture Search. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	31
396	Dual-Tree Genetic Programming for Few-Shot Image Classification. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	2
395	Knowledge Transfer in Genetic Programming Hyper-heuristics. <i>Natural Computing Series</i> , 2021 , 149-169	2.5	1
394	A Bilevel Ant Colony Optimization Algorithm for Capacitated Electric Vehicle Routing Problem. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	14

393	Genetic Programming-Based Discriminative Feature Learning for Low-Quality Image Classification. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	3
392	An Evolutionary Multitasking-Based Feature Selection Method for High-Dimensional Classification. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	10
391	Multitask Genetic Programming-Based Generative Hyperheuristics: A Case Study in Dynamic Scheduling. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	12
390	Deep Convolutional Neural Networks for Detecting Dolphin Echolocation Clicks 2021 ,		3
389	Multi-objective feature selection using hybridization of a genetic algorithm and direct multisearch for key quality characteristic selection. <i>Information Sciences</i> , 2020 , 523, 245-265	7.7	21
388	Genetic programming for high-dimensional imbalanced classification with a new fitness function and program reuse mechanism. <i>Soft Computing</i> , 2020 , 24, 18021-18038	3.5	4
387	Generating Knowledge-Guided Discriminative Features Using Genetic Programming for Melanoma Detection. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 1-16	4.1	7
386	A survey on swarm intelligence approaches to feature selection in data mining. <i>Swarm and Evolutionary Computation</i> , 2020 , 54, 100663	9.8	86
385	Genetic Programming for Instance Transfer Learning in Symbolic Regression. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	1
384	Novel chaotic grouping particle swarm optimization with a dynamic regrouping strategy for solving numerical optimization tasks. <i>Knowledge-Based Systems</i> , 2020 , 194, 105568	7.3	13
383	A Survey of Evolutionary Computation for Web Service Composition: A Technical Perspective. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 538-554	4.1	6
382	A Hybrid Evolutionary Computation Approach to Inducing Transfer Classifiers for Domain Adaptation. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	4
381	A Graph-Based Approach to Automatic Convolutional Neural Network Construction for Image Classification 2020 ,		1
380	A Novel Genetic Algorithm Approach to Simultaneous Feature Selection and Instance Selection 2020 ,		5
379	Automatically Designing CNN Architectures Using the Genetic Algorithm for Image Classification. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3840-3854	10.2	179
378	Automatically extracting features for face classification using multi-objective genetic programming 2020 ,		2
377	Improving symbolic regression based on correlation between residuals and variables 2020 ,		4
376	A genetic programming approach to feature construction for ensemble learning in skin cancer detection 2020 ,		3

375	Adaptive weighted splines 2020 ,		3
374	Guided Subtree Selection for Genetic Operators in Genetic Programming for Dynamic Flexible Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2020 , 262-278	0.9	9
373	A Parametric Framework for Genetic Programming with Transfer Learning for Uncertain Capacitated Arc Routing Problem. <i>Lecture Notes in Computer Science</i> , 2020 , 150-162	0.9	1
372	A Decomposition Based Multi-objective Genetic Programming Algorithm for Classification of Highly Imbalanced Tandem Mass Spectrometry. <i>Lecture Notes in Computer Science</i> , 2020 , 449-463	0.9	0
371	A preliminary approach to evolutionary multitasking for dynamic flexible job shop scheduling via genetic programming 2020 ,		12
370	Multi-tree genetic programming for feature construction-based domain adaptation in symbolic regression with incomplete data 2020 ,		4
369	Segmented initialization and offspring modification in evolutionary algorithms for bi-objective feature selection 2020 ,		3
368	Neural architecture search for sparse DenseNets with dynamic compression 2020 ,		1
367	GP-based Feature Selection and Weighted KNN-based Instance Selection for Symbolic Regression with Incomplete Data 2020 ,		2
366	Data Imputation for Symbolic Regression with Missing Values: A Comparative Study 2020 ,		1
365	Evolving Deep Forest with Automatic Feature Extraction for Image Classification Using Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2020 , 3-18	0.9	6
364	Genetic Programming with Adaptive Search Based on the Frequency of Features for Dynamic Flexible Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2020 , 214-230	0.9	7
363	Particle Swarm Optimization for Evolving Deep Convolutional Neural Networks for Image Classification: Single- and Multi-Objective Approaches. <i>Natural Computing Series</i> , 2020 , 155-184	2.5	2
362	Multi-objective genetic programming for manifold learning: balancing quality and dimensionality. <i>Genetic Programming and Evolvable Machines</i> , 2020 , 21, 399-431	2	7
361	A survey on feature selection approaches for clustering. <i>Artificial Intelligence Review</i> , 2020 , 53, 4519-4545	4.7	40
360	Genetic Programming Hyper-Heuristics with Vehicle Collaboration for Uncertain Capacitated Arc Routing Problems. <i>Evolutionary Computation</i> , 2020 , 28, 563-593	4.3	15
359	Multiobjective Multitasking Optimization Based on Incremental Learning. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 824-838	15.6	27
358	A Cooperative Coevolution Genetic Programming Hyper-Heuristic Approach for On-line Resource Allocation in Container-based Clouds. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 1-1	3.3	11

357	An Adaptive and Near Parameter-free Evolutionary Computation Approach Towards True Automation in AutoML 2020 ,		2
356	Genetic Programming Hyper-Heuristics with Probabilistic Prototype Tree Knowledge Transfer for Uncertain Capacitated Arc Routing Problems 2020 ,		5
355	Rademacher Complexity for Enhancing the Generalization of Genetic Programming for Symbolic Regression. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	6
354	Genetic Programming with Noise Sensitivity for Imputation Predictor Selection in Symbolic Regression with Incomplete Data 2020 ,		3
353	Particle Swarm optimisation for Evolving Deep Neural Networks for Image Classification by Evolving and Stacking Transferable Blocks 2020 ,		13
352	Multi-Tree Genetic Programming-based Transformation for Transfer Learning in Symbolic Regression with Highly Incomplete Data 2020 ,		3
351	A Fitness-based Selection Method for Pareto Local Search for Many-Objective Job Shop Scheduling 2020 ,		1
350	Hybridising Particle Swarm optimisation with Differential Evolution for Feature Selection in Classification 2020 ,		3
349	Genetic Programming-Based Feature Learning for Facial Expression Classification 2020 ,		1
348	A Decomposition based Multi-objective Evolutionary Algorithm with ReliefF based Local Search and Solution Repair Mechanism for Feature Selection 2020 ,		1
347	Evolving Deep Convolutional Neural Networks for Image Classification. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 394-407	15.6	187
346	A Predictive-Reactive Approach with Genetic Programming and Cooperative Coevolution for the Uncertain Capacitated Arc Routing Problem. <i>Evolutionary Computation</i> , 2020 , 28, 289-316	4.3	13
345	Completely Automated CNN Architecture Design Based on Blocks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1242-1254	10.3	71
344	Multiple Reference Points-Based Decomposition for Multiobjective Feature Selection in Classification: Static and Dynamic Mechanisms. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 170-184	15.6	31
343	Genetic Programming for Evolving Similarity Functions for Clustering: Representations and Analysis. <i>Evolutionary Computation</i> , 2020 , 28, 531-561	4.3	7
342	Surrogate-Assisted Evolutionary Deep Learning Using an End-to-End Random Forest-Based Performance Predictor. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 350-364	15.6	74
341	. <i>IEEE Computational Intelligence Magazine</i> , 2020 , 15, 65-77	5.6	20
340	A two-stage genetic programming hyper-heuristic approach with feature selection for dynamic flexible job shop scheduling 2019 ,		22

339	Population-based ensemble classifier induction for domain adaptation 2019 ,		1
338	An automated ensemble learning framework using genetic programming for image classification 2019 ,		15
337	Active Sampling for Dynamic Job Shop Scheduling using Genetic Programming 2019 ,		2
336	New Fitness Functions in Genetic Programming for Classification with High-dimensional Unbalanced Data 2019 ,		4
335	An Evolutionary Deep Learning Approach Using Genetic Programming with Convolution Operators for Image Classification 2019 ,		8
334	Can Stochastic Dispatching Rules Evolved by Genetic Programming Hyper-heuristics Help in Dynamic Flexible Job Shop Scheduling? 2019 ,		8
333	Evolving Dispatching Rules for Multi-objective Dynamic Flexible Job Shop Scheduling via Genetic Programming Hyper-heuristics 2019 ,		13
332	Genetic programming hyper-heuristic with knowledge transfer for uncertain capacitated arc routing problem 2019 ,		10
331	Differential evolution for instance based transfer learning in genetic programming for symbolic regression 2019 ,		6
330	Can Genetic Programming Do Manifold Learning Too?. <i>Lecture Notes in Computer Science</i> , 2019 , 114-130	0.9	9
329	Genetic programming for multiple-feature construction on high-dimensional classification. <i>Pattern Recognition</i> , 2019 , 93, 404-417	7.7	32
328	GP-based methods for domain adaptation: using brain decoding across subjects as a test-case. <i>Genetic Programming and Evolvable Machines</i> , 2019 , 20, 385-411	2	3
327	A survey on evolutionary machine learning. <i>Journal of the Royal Society of New Zealand</i> , 2019 , 49, 205-228		68
326	A New Representation in Genetic Programming for Evolving Dispatching Rules for Dynamic Flexible Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2019 , 33-49	0.9	8
325	Preprocessing Tandem Mass Spectra Using Genetic Programming for Peptide Identification. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1294-1307	3.5	1
324	Genetic programming with transfer learning for texture image classification. <i>Soft Computing</i> , 2019 , 23, 12859-12871	3.5	4
323	Genetic Programming for Job Shop Scheduling. <i>Studies in Computational Intelligence</i> , 2019 , 143-167	0.8	6
322	A Hybrid Genetic Programming Algorithm for Automated Design of Dispatching Rules. <i>Evolutionary Computation</i> , 2019 , 27, 467-496	4.3	22

321	Genetic Programming based Transfer Learning for Document Classification with Self-taught and Ensemble Learning 2019 ,		3
320	Multi-Round Random Subspace Feature Selection for Incomplete Gene Expression Data 2019 ,		3
319	Transfer Learning in Genetic Programming Hyper-heuristic for Solving Uncertain Capacitated Arc Routing Problem 2019 ,		9
318	Online Feature-Generation of Code Fragments for XCS to Guide Feature Construction 2019 ,		3
317	Reuse of program trees in genetic programming with a new fitness function in high-dimensional unbalanced classification 2019 ,		2
316	Adaptive multi-subswarm optimisation for feature selection on high-dimensional classification 2019 ,		10
315	Instance based Transfer Learning for Genetic Programming for Symbolic Regression 2019 ,		8
314	Novel ensemble genetic programming hyper-heuristics for uncertain capacitated arc routing problem 2019 ,		10
313	Genetic Programming with Rademacher Complexity for Symbolic Regression 2019 ,		5
312	Genetic Programming with Pareto Local Search for Many-Objective Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2019 , 536-548	0.9	2
311	A Novel Genetic Programming Algorithm with Knowledge Transfer for Uncertain Capacitated Arc Routing Problem. <i>Lecture Notes in Computer Science</i> , 2019 , 196-200	0.9	6
310	The Evolution of Adjacency Matrices for Sparsity of Connection in DenseNets 2019 ,		2
309	Evolving Ensembles of Routing Policies using Genetic Programming for Uncertain Capacitated Arc Routing Problem 2019 ,		2
308	Multitasking Genetic Programming for Stochastic Team Orienteering Problem with Time Windows 2019 ,		4
307	A Genetic Programming-based Wrapper Imputation Method for Symbolic Regression with Incomplete Data 2019 ,		5
306	Genetic Programming for Multiple Feature Construction in Skin Cancer Image Classification 2019 ,		2
305	A Cost-sensitive Genetic Programming Approach for High-dimensional Unbalanced Classification 2019 ,		2
304	Improving Generalization of Genetic Programming for Symbolic Regression With Angle-Driven Geometric Semantic Operators. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 488-502	15.6	14

303	Variable-Length Particle Swarm Optimization for Feature Selection on High-Dimensional Classification. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 473-487	15.6	87
302	A New Two-Stage Evolutionary Algorithm for Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 748-761	15.6	48
301	A Particle Swarm Optimization-Based Flexible Convolutional Autoencoder for Image Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2295-2309	10.3	55
300	Structural Risk Minimization-Driven Genetic Programming for Enhancing Generalization in Symbolic Regression. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 703-717	15.6	15
299	Figure-ground image segmentation using feature-based multi-objective genetic programming techniques. <i>Neural Computing and Applications</i> , 2019 , 31, 3075-3094	4.8	5
298	Bayesian genetic programming for edge detection. <i>Soft Computing</i> , 2019 , 23, 4097-4112	3.5	4
297	Generating Redundant Features with Unsupervised Multi-tree Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2018 , 84-100	0.9	9
296	Genetic Programming Hyper-Heuristic with Cooperative Coevolution for Dynamic Flexible Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2018 , 306-321	0.9	20
295	Evolutionary computation for automatic Web service composition: an indirect representation approach. <i>Journal of Heuristics</i> , 2018 , 24, 425-456	1.9	13
294	A New Representation in PSO for Discretization-Based Feature Selection. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 1733-1746	10.2	75
293	Differential evolution for filter feature selection based on information theory and feature ranking. <i>Knowledge-Based Systems</i> , 2018 , 140, 103-119	7.3	166
292	Pareto front feature selection based on artificial bee colony optimization. <i>Information Sciences</i> , 2018 , 422, 462-479	7.7	162
291	Genetic Programming for Feature Selection and Feature Construction in Skin Cancer Image Classification. <i>Lecture Notes in Computer Science</i> , 2018 , 732-745	0.9	13
290	Genetic programming hyper-heuristic for multi-vehicle uncertain capacitated arc routing problem 2018 ,		12
289	Adaptive charting genetic programming for dynamic flexible job shop scheduling 2018 ,		3
288	Evolutionary Multitask Optimisation for Dynamic Job Shop Scheduling Using Niche Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2018 , 739-751	0.9	9
287	Sampling Heuristics for Multi-objective Dynamic Job Shop Scheduling Using Island Based Parallel Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2018 , 347-359	0.9	2
286	A Multi-tree Genetic Programming Representation for Melanoma Detection Using Local and Global Features. <i>Lecture Notes in Computer Science</i> , 2018 , 111-123	0.9	4

285	An Improved Genetic Programming Hyper-Heuristic for the Uncertain Capacitated Arc Routing Problem. <i>Lecture Notes in Computer Science</i> , 2018 , 432-444	0.9	5
284	Genetic Programming with Multi-tree Representation for Dynamic Flexible Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2018 , 472-484	0.9	17
283	Surrogate-Assisted Genetic Programming for Dynamic Flexible Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2018 , 766-772	0.9	13
282	An Automatic Feature Extraction Approach to Image Classification Using Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2018 , 421-438	0.9	13
281	An investigation of ensemble combination schemes for genetic programming based hyper-heuristic approaches to dynamic job shop scheduling. <i>Applied Soft Computing Journal</i> , 2018 , 63, 72-86	7.5	48
280	A Divide-and-Conquer-Based Ensemble Classifier Learning by Means of Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 762-777	15.6	22
279	Automatically evolving difficult benchmark feature selection datasets with genetic programming 2018 ,		2
278	Foreground and Background Feature Fusion Using a Convex Hull Based Center Prior for Salient Object Detection 2018 ,		1
277	An Experimental Study on Hyper-parameter Optimization for Stacked Auto-Encoders 2018 ,		20
276	Genetic Programming Hyper-Heuristic for Stochastic Team Orienteering Problem with Time Windows 2018 ,		5
275	A Gaussian Filter-Based Feature Learning Approach Using Genetic Programming to Image Classification. <i>Lecture Notes in Computer Science</i> , 2018 , 251-257	0.9	8
274	Genetic Programming Based on Granular Computing for Classification with High-Dimensional Data. <i>Lecture Notes in Computer Science</i> , 2018 , 643-655	0.9	2
273	Particle Swarm Optimisation for Feature Selection and Weighting in High-Dimensional Clustering 2018 ,		6
272	A Hybrid GP-KNN Imputation for Symbolic Regression with Missing Values. <i>Lecture Notes in Computer Science</i> , 2018 , 345-357	0.9	14
271	Improving performance of classification on incomplete data using feature selection and clustering. <i>Applied Soft Computing Journal</i> , 2018 , 73, 848-861	7.5	16
270	Fast Unsupervised Edge Detection Using Genetic Programming [Application Notes]. <i>IEEE Computational Intelligence Magazine</i> , 2018 , 13, 46-58	5.6	2
269	Evolutionary Deep Learning: A Genetic Programming Approach to Image Classification 2018 ,		16
268	Genetic Programming for Automatic Global and Local Feature Extraction to Image Classification 2018 ,		16

267	A Hybrid Memetic Approach for Fully Automated Multi-Objective Web Service Composition 2018 ,		4
266	Investigating a Machine Breakdown Genetic Programming Approach for Dynamic Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2018 , 253-270	0.9	4
265	An effective and efficient approach to classification with incomplete data. <i>Knowledge-Based Systems</i> , 2018 , 154, 1-16	7.3	18
264	Surrogate-Assisted Genetic Programming With Simplified Models for Automated Design of Dispatching Rules. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2951-2965	10.2	60
263	Cross-Domain Reuse of Extracted Knowledge in Genetic Programming for Image Classification. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 569-587	15.6	70
262	Image feature selection using genetic programming for figure-ground segmentation. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 62, 96-108	7.2	22
261	Evolutionary feature manipulation in data mining/big data. <i>ACM SIGEVOlution</i> , 2017 , 10, 4-11	0.1	10
260	Genetic programming for production scheduling: a survey with a unified framework. <i>Complex & Intelligent Systems</i> , 2017 , 3, 41-66	7.1	110
259	Extending XCS with Cyclic Graphs for Scalability on Complex Boolean Problems. <i>Evolutionary Computation</i> , 2017 , 25, 173-204	4.3	8
258	Using Feature Clustering for GP-Based Feature Construction on High-Dimensional Data. <i>Lecture Notes in Computer Science</i> , 2017 , 210-226	0.9	13
257	. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 825-844	15.6	42
256	Bagging and Feature Selection for Classification with Incomplete Data. <i>Lecture Notes in Computer Science</i> , 2017 , 471-486	0.9	6
255	Feature Selection to Improve Generalization of Genetic Programming for High-Dimensional Symbolic Regression. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 792-806	15.6	64
254	Genetic programming for evolving figure-ground segmentors from multiple features. <i>Applied Soft Computing Journal</i> , 2017 , 51, 83-95	7.5	17
253	GPGC 2017 ,		5
252	Evolving texture image descriptors using a multitree genetic programming representation 2017 ,		1
251	Multiple reference points MOEA/D for feature selection 2017 ,		3
250	Automated heuristic design using genetic programming hyper-heuristic for uncertain capacitated arc routing problem 2017 ,		27

249	Fragment-based genetic programming for fully automated multi-objective web service composition 2017,		8
248	Multiple imputation and genetic programming for classification with incomplete data 2017,		8
247	An Efficient Feature Selection Algorithm for Evolving Job Shop Scheduling Rules With Genetic Programming. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2017 , 1, 339-353	4.1	45
246	A Multitree Genetic Programming Representation for Automatically Evolving Texture Image Descriptors. <i>Lecture Notes in Computer Science</i> , 2017 , 499-511	0.9	6
245	Particle Swarm Optimisation with genetic operators for feature selection 2017,		16
244	Genetic programming for solving common and domain-independent generic recursive problems 2017,		2
243	Evolving dispatching rules for dynamic Job shop scheduling with uncertain processing times 2017,		4
242	Common subtrees in related problems: A novel transfer learning approach for genetic programming 2017,		20
241	Evolving heuristics for Dynamic Vehicle Routing with Time Windows using genetic programming 2017,		14
240	Genetic programming for skin cancer detection in dermoscopic images 2017,		6
239	Genetic Programming with Embedded Feature Construction for High-Dimensional Symbolic Regression. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2017 , 87-102	0.2	2
238	Dynamic Job Shop Scheduling Under Uncertainty Using Genetic Programming. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2017 , 195-210	0.2	4
237	A supervised feature weighting method for salient object detection using particle swarm optimization 2017,		4
236	A classification method based on self-adaptive artificial bee colony 2017,		1
235	A differential evolution based feature selection approach using an improved filter criterion 2017,		4
234	An automatic region detection and processing approach in genetic programming for binary image classification 2017,		3
233	A PSO-Based Reference Point Adaption Method for Genetic Programming Hyper-Heuristic in Many-Objective Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2017 , 326-338	0.9	11
232	Using Particle Swarm Optimisation and the Silhouette Metric to Estimate the Number of Clusters, Select Features, and Perform Clustering. <i>Lecture Notes in Computer Science</i> , 2017 , 538-554	0.9	11

231	Class Dependent Multiple Feature Construction Using Genetic Programming for High-Dimensional Data. <i>Lecture Notes in Computer Science</i> , 2017 , 182-194	0.9	3
230	Constrained Dimensionally Aware Genetic Programming for Evolving Interpretable Dispatching Rules in Dynamic Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2017 , 435-447	0.9	6
229	New Representations in Genetic Programming for Feature Construction in k-Means Clustering. <i>Lecture Notes in Computer Science</i> , 2017 , 543-555	0.9	1
228	Transductive Transfer Learning in Genetic Programming for Document Classification. <i>Lecture Notes in Computer Science</i> , 2017 , 556-568	0.9	9
227	Binary PSO for Web Service Location-Allocation. <i>Lecture Notes in Computer Science</i> , 2017 , 366-377	0.9	3
226	Geometric Semantic Genetic Programming with Perpendicular Crossover and Random Segment Mutation for Symbolic Regression. <i>Lecture Notes in Computer Science</i> , 2017 , 422-434	0.9	2
225	Binary Image Classification: A Genetic Programming Approach to the Problem of Limited Training Instances. <i>Evolutionary Computation</i> , 2016 , 24, 143-82	4.3	15
224	Genetic programming for edge detection: a Gaussian-based approach. <i>Soft Computing</i> , 2016 , 20, 1231-1248	3.9	9
223	Feature Selection in Evolving Job Shop Dispatching Rules with Genetic Programming 2016 ,		21
222	Evolutionary computation for feature manipulation: Key challenges and future directions 2016 ,		4
221	Niching Genetic Programming based Hyper-heuristic Approach to Dynamic Job Shop Scheduling 2016 ,		1
220	A comprehensive analysis on reusability of GP-evolved job shop dispatching rules 2016 ,		5
219	Genetic programming for evolving programs with recursive structures 2016 ,		1
218	A Genetic Programming-Based Imputation Method for Classification with Missing Data. <i>Lecture Notes in Computer Science</i> , 2016 , 149-163	0.9	16
217	Investigation on particle swarm optimisation for feature selection on high-dimensional data: local search and selection bias. <i>Connection Science</i> , 2016 , 28, 270-294	2.8	21
216	Automatically Evolving Rotation-Invariant Texture Image Descriptors by Genetic Programming. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 1-1	15.6	21
215	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 606-626	15.6	776
214	Optimization of Location Allocation of Web Services Using a Modified Non-dominated Sorting Genetic Algorithm. <i>Lecture Notes in Computer Science</i> , 2016 , 246-257	0.9	7

213	Parallel Multi-objective Job Shop Scheduling Using Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2016 , 234-245	0.9	7
212	Multi-objective Genetic Programming for Figure-Ground Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2016 , 134-146	0.9	5
211	Genetic programming for QoS-aware web service composition and selection. <i>Soft Computing</i> , 2016 , 20, 3851-3867	3.5	24
210	Genetic programming for feature construction and selection in classification on high-dimensional data. <i>Memetic Computing</i> , 2016 , 8, 3-15	3.4	99
209	. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 110-124	15.6	215
208	Further investigation on genetic programming with transfer learning for symbolic regression 2016 ,		20
207	Particle Swarm Optimization for Multi-Objective Web Service Location Allocation. <i>Lecture Notes in Computer Science</i> , 2016 , 219-234	0.9	4
206	Deep Reconstruction-Classification Networks for Unsupervised Domain Adaptation. <i>Lecture Notes in Computer Science</i> , 2016 , 597-613	0.9	243
205	Accuracy-Based Learning Classifier Systems for Multistep Reinforcement Learning: A Fuzzy Logic Approach to Handling Continuous Inputs and Learning Continuous Actions. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 953-971	15.6	6
204	Severely noisy image segmentation via wavelet shrinkage using PSO and Fuzzy C-Means 2016 ,		3
203	Particle swarm optimisation representations for simultaneous clustering and feature selection 2016 ,		9
202	Dimension reduction in classification using particle swarm optimisation and statistical variable grouping information 2016 ,		2
201	Multiple feature construction in classification on high-dimensional data using GP 2016 ,		13
200	A memetic algorithm-based indirect approach to web service composition 2016 ,		3
199	Evolutionary scheduling and combinatorial optimisation: Applications, challenges, and future directions 2016 ,		5
198	A PSO based hybrid feature selection algorithm for high-dimensional classification 2016 ,		25
197	Figure-ground image segmentation using genetic programming and feature selection 2016 ,		4
196	2016 ,		4

195	Many-objective genetic programming for job-shop scheduling 2016 ,		23
194	Improving classification on images by extracting and transferring knowledge in genetic programming 2016 ,		7
193	Directly evolving classifiers for missing data using genetic programming 2016 ,		3
192	A dynamic feature map integration approach for predicting human fixation 2016 ,		1
191	Evolutionary web service composition: A graph-based memetic algorithm 2016 ,		7
190	Genetic Programming for Region Detection, Feature Extraction, Feature Construction and Classification in Image Data. <i>Lecture Notes in Computer Science</i> , 2016 , 51-67	0.9	28
189	A Wrapper Feature Selection Approach to Classification with Missing Data. <i>Lecture Notes in Computer Science</i> , 2016 , 685-700	0.9	8
188	Learning feature fusion strategies for various image types to detect salient objects. <i>Pattern Recognition</i> , 2016 , 60, 106-120	7.7	17
187	Particle Swarm Optimisation with Sequence-Like Indirect Representation for Web Service Composition. <i>Lecture Notes in Computer Science</i> , 2016 , 202-218	0.9	10
186	Contextual-based top-down saliency feature weighting for target detection. <i>Machine Vision and Applications</i> , 2016 , 27, 893-914	2.8	10
185	New mechanism for archive maintenance in PSO-based multi-objective feature selection. <i>Soft Computing</i> , 2016 , 20, 3927-3946	3.5	29
184	Genetic Programming Based Hyper-heuristics for Dynamic Job Shop Scheduling: Cooperative Coevolutionary Approaches. <i>Lecture Notes in Computer Science</i> , 2016 , 115-132	0.9	9
183	Reusing Extracted Knowledge in Genetic Programming to Solve Complex Texture Image Classification Problems. <i>Lecture Notes in Computer Science</i> , 2016 , 117-129	0.9	7
182	Improving Generalisation of Genetic Programming for Symbolic Regression with Structural Risk Minimisation 2016 ,		18
181	Improving performance for classification with incomplete data using wrapper-based feature selection. <i>Evolutionary Intelligence</i> , 2016 , 9, 81-94	1.7	18
180	Population statistics for particle swarm optimization: Single-evaluation methods in noisy optimization problems. <i>Soft Computing</i> , 2015 , 19, 2691-2716	3.5	12
179	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
178	Using Learning Classifier Systems to Learn Stochastic Decision Policies. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 885-902	15.6	3

177	Population statistics for particle swarm optimization: Hybrid methods in noisy optimization problems. <i>Swarm and Evolutionary Computation</i> , 2015 , 22, 15-29	9.8	9
176	Gaussian Transformation Based Representation in Particle Swarm Optimisation for Feature Selection. <i>Lecture Notes in Computer Science</i> , 2015 , 541-553	0.9	9
175	Impact of imputation of missing values on genetic programming based multiple feature construction for classification 2015 ,		5
174	A multi-objective artificial bee colony approach to feature selection using fuzzy mutual information 2015 ,		31
173	Particle swarm optimisation for feature selection: A hybrid filter-wrapper approach 2015 ,		22
172	Multiple Imputation for Missing Data Using Genetic Programming 2015 ,		17
171	A Single Population Genetic Programming based Ensemble Learning Approach to Job Shop Scheduling 2015 ,		2
170	Code coverage optimisation in genetic algorithms and particle swarm optimisation for automatic software test data generation 2015 ,		3
169	A GP approach to QoS-aware web service composition including conditional constraints 2015 ,		7
168	F-MOGP: A novel many-objective evolutionary approach to QoS-aware data intensive web service composition 2015 ,		7
167	Generalisation and domain adaptation in GP with gradient descent for symbolic regression 2015 ,		16
166	Image descriptor: A genetic programming approach to multiclass texture classification 2015 ,		20
165	Automatic programming via iterated local search for dynamic job shop scheduling. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1-14	10.2	94
164	Distribution-based invariant feature construction using genetic programming for edge detection. <i>Soft Computing</i> , 2015 , 19, 2371-2389	3.5	13
163	Improving genetic search in XCS-based classifier systems through understanding the evolvability of classifier rules. <i>Soft Computing</i> , 2015 , 19, 1863-1880	3.5	7
162	A hybrid Genetic Programming approach to feature detection and image classification 2015 ,		3
161	Domain Generalization for Object Recognition with Multi-task Autoencoders 2015 ,		181
160	An on-line Pittsburgh LCS for the Three-Cornered Coevolution Framework. <i>Evolutionary Intelligence</i> , 2015 , 8, 185-201	1.7	

159	Pixel characteristics based feature extraction approach for roadside object detection 2015 ,		3
158	A Comprehensive Comparison on Evolutionary Feature Selection Approaches to Classification. <i>International Journal of Computational Intelligence and Applications</i> , 2015 , 14, 1550008	1.2	40
157	Enhancing genetic programming based hyper-heuristics for dynamic multi-objective job shop scheduling problems 2015 ,		12
156	Using Local Search to Evaluate Dispatching Rules in Dynamic Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2015 , 222-233	0.9	1
155	Evolving Ensembles of Dispatching Rules Using Genetic Programming for Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2015 , 92-104	0.9	21
154	A Supervised Figure-Ground Segmentation Method Using Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2015 , 491-503	0.9	7
153	GraphEvol: A Graph Evolution Technique for Web Service Composition. <i>Lecture Notes in Computer Science</i> , 2015 , 134-142	0.9	19
152	Automatic Design of Scheduling Policies for Dynamic Multi-objective Job Shop Scheduling via Cooperative Coevolution Genetic Programming. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 193-208	15.6	153
151	Particle swarm optimisation for feature selection in classification: Novel initialisation and updating mechanisms. <i>Applied Soft Computing Journal</i> , 2014 , 18, 261-276	7.5	334
150	Filter based backward elimination in wrapper based PSO for feature selection in classification 2014 ,		23
149	Improving feature ranking for biomarker discovery in proteomics mass spectrometry data using genetic programming. <i>Connection Science</i> , 2014 , 26, 215-243	2.8	19
148	Salient object detection using learning classifiersystems that compute action mappings 2014 ,		12
147	Deception, blindness and disorientation in particle swarm optimization applied to noisy problems. <i>Swarm Intelligence</i> , 2014 , 8, 247-273	3	4
146	Reusing Building Blocks of Extracted Knowledge to Solve Complex, Large-Scale Boolean Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 465-480	15.6	90
145	Low-level feature extraction for edge detection using genetic programming. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 1459-72	10.2	36
144	Reusing Genetic Programming for Ensemble Selection in Classification of Unbalanced Data. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 893-908	15.6	60
143	Population statistics for particle swarm optimization: Resampling methods in noisy optimization problems. <i>Swarm and Evolutionary Computation</i> , 2014 , 17, 37-59	9.8	27
142	Genetic programming for evolving due-date assignment models in job shop environments. <i>Evolutionary Computation</i> , 2014 , 22, 105-38	4.3	28

141	Genetic Programming Evolved Filters from a Small Number of Instances for Multiclass Texture Classification 2014 ,		4
140	Multiple feature construction for effective biomarker identification and classification using genetic programming 2014 ,		25
139	A new GP-based wrapper feature construction approach to classification and biomarker identification 2014 ,		5
138	A graph-based Particle Swarm Optimisation approach to QoS-aware web service composition and selection 2014 ,		15
137	Evolving machine-specific dispatching rules for a two-machine job shop using genetic programming 2014 ,		15
136	Gaussian Based Particle Swarm Optimisation and Statistical Clustering for Feature Selection. <i>Lecture Notes in Computer Science</i> , 2014 , 133-144	0.9	22
135	A sequential genetic programming method to learn forward construction heuristics for order acceptance and scheduling 2014 ,		10
134	Selection Schemes in Surrogate-Assisted Genetic Programming for Job Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2014 , 656-667	0.9	12
133	Genetic Programming for Multiclass Texture Classification Using a Small Number of Instances. <i>Lecture Notes in Computer Science</i> , 2014 , 335-346	0.9	9
132	Information Divergence Based Saliency Detection with a Global Center-Surround Mechanism 2014 ,		2
131	Reusing learned functionality in XCS 2014 ,		8
130	Three-cornered coevolution learning classifier systems for classification tasks 2014 ,		1
129	An archive based particle swarm optimisation for feature selection in classification 2014 ,		13
128	Optimizing configuration of neural ensemble network for breast cancer diagnosis 2014 ,		3
127	A hybrid discrete particle swarm optimisation method for grid computation scheduling 2014 ,		3
126	A Genetic Programming approach to distributed QoS-aware web service composition 2014 ,		25
125	Deep hybrid networks with good out-of-sample object recognition 2014 ,		3
124	Unsupervised learning for edge detection using Genetic Programming 2014 ,		4

123	Evolving "less-myopic" scheduling rules for dynamic job shop scheduling with genetic programming 2014,		25
122	PSO and Statistical Clustering for Feature Selection: A New Representation. <i>Lecture Notes in Computer Science, 2014, 569-581</i>	0.9	15
121	BINARY PSO AND ROUGH SET THEORY FOR FEATURE SELECTION: A MULTI-OBJECTIVE FILTER BASED APPROACH. <i>International Journal of Computational Intelligence and Applications, 2014, 13, 1450009</i>	1.3	43
120	Enhancing Branch-and-Bound Algorithms for Order Acceptance and Scheduling with Genetic Programming. <i>Lecture Notes in Computer Science, 2014, 124-136</i>	0.9	3
119	Domain Adaptive Neural Networks for Object Recognition. <i>Lecture Notes in Computer Science, 2014, 898-904</i>	0.9	124
118	Reusing Learned Functionality to Address Complex Boolean Functions. <i>Lecture Notes in Computer Science, 2014, 383-394</i>	0.9	6
117	Improved PSO for Feature Selection on High-Dimensional Datasets. <i>Lecture Notes in Computer Science, 2014, 503-515</i>	0.9	25
116	Multi-objective Feature Selection in Classification: A Differential Evolution Approach. <i>Lecture Notes in Computer Science, 2014, 516-528</i>	0.9	29
115	Enhancing Heuristics for Order Acceptance and Scheduling Using Genetic Programming. <i>Lecture Notes in Computer Science, 2014, 723-734</i>	0.9	3
114	Learning iterative dispatching rules for job shop scheduling with genetic programming. <i>International Journal of Advanced Manufacturing Technology, 2013, 67, 85-100</i>	3.2	43
113	Particle swarm optimization for feature selection in classification: a multi-objective approach. <i>IEEE Transactions on Cybernetics, 2013, 43, 1656-71</i>	10.2	716
112	An adaptive genetic programming approach to QoS-aware web services composition 2013,		2
111	A performance study on synchronicity and neighborhood size in particle swarm optimization. <i>Soft Computing, 2013, 17, 1019-1030</i>	3.5	25
110	Evolving optimum populations with XCS classifier systems. <i>Soft Computing, 2013, 17, 503-518</i>	3.5	26
109	Parent Selection Pressure Auto-Tuning for Tournament Selection in Genetic Programming. <i>IEEE Transactions on Evolutionary Computation, 2013, 17, 1-19</i>	15.6	23
108	Learning complex, overlapping and niche imbalance Boolean problems using XCS-based classifier systems. <i>Evolutionary Intelligence, 2013, 6, 73-91</i>	1.7	11
107	Adaptive artificial datasets through learning classifier systems for classification tasks. <i>Evolutionary Intelligence, 2013, 6, 93-107</i>	1.7	2
106	A feature-based region growing-merging approach to color image segmentation 2013,		1

105	Gaussian mixture models and information entropy for image segmentation using particle swarm optimisation 2013 ,		1
104	Triangular-distribution-based feature construction using Genetic Programming for edge detection 2013 ,		1
103	Resampling in Particle Swarm Optimization 2013 ,		14
102	Sparse representations in deep learning for noise-robust digit classification 2013 ,		2
101	Learning overlapping natured and niche imbalance boolean problems using XCS classifier systems 2013 ,		11
100	Evolving Diverse Ensembles Using Genetic Programming for Classification With Unbalanced Data. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 368-386	15.6	141
99	Hybrid evolutionary computation methods for quay crane scheduling problems. <i>Computers and Operations Research</i> , 2013 , 40, 2083-2093	4.6	30
98	Genetic programming for order acceptance and scheduling 2013 ,		16
97	A new image segmentation algorithm based on modified seeded region growing and particle swarm optimization 2013 ,		5
96	A Computational Study of Representations in Genetic Programming to Evolve Dispatching Rules for the Job Shop Scheduling Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 621-639	15.6	134
95	Hybridisation of Genetic Programming and Nearest Neighbour for classification 2013 ,		6
94	Extending learning classifier system with cyclic graphs for scalability on complex, large-scale boolean problems 2013 ,		21
93	Optimal computing budget allocation in particle swarm optimization 2013 ,		10
92	Particle Swarm Optimisation and Statistical Clustering for Feature Selection. <i>Lecture Notes in Computer Science</i> , 2013 , 214-220	0.9	18
91	Adaptive artificial datasets through learning classifier systems for classification tasks 2013 ,		2
90	Comparison of two methods for computing action values in XCS with code-fragment actions 2013 ,		4
89	Enhanced feature selection for biomarker discovery in LC-MS data using GP 2013 ,		27
88	Feature selection based on PSO and decision-theoretic rough set model 2013 ,		5

87	Binary particle swarm optimisation and rough set theory for dimension reduction in classification 2013,		11
86	Evolving Stochastic Dispatching Rules for Order Acceptance and Scheduling via Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2013 , 478-489	0.9	5
85	Learning Reusable Initial Solutions for Multi-objective Order Acceptance and Scheduling Problems with Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2013 , 157-168	0.9	14
84	Dynamic Multi-objective Job Shop Scheduling: A Genetic Programming Approach. <i>Studies in Computational Intelligence</i> , 2013 , 251-282	0.8	32
83	Genetic Programming with Greedy Search for Web Service Composition. <i>Lecture Notes in Computer Science</i> , 2013 , 9-17	0.9	13
82	Developing new fitness functions in genetic programming for classification with unbalanced data. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 406-21		71
81	Impacts of sampling strategies in tournament selection for genetic programming. <i>Soft Computing</i> , 2012 , 16, 615-633	3.5	5
80	Genetic programming for edge detection via balancing individual training images 2012,		5
79	Scalability analysis of genetic programming classifiers 2012,		2
78	A performance study on the effects of noise and evaporation in Particle Swarm Optimization 2012,		12
77	Binary particle swarm optimisation for feature selection: A filter based approach 2012,		77
76	A coevolution genetic programming method to evolve scheduling policies for dynamic multi-objective job shop scheduling problems 2012,		11
75	Two-Tier genetic programming: towards raw pixel-based image classification. <i>Expert Systems With Applications</i> , 2012 , 39, 12291-12301	7.8	45
74	A Filter Approach to Multiple Feature Construction for Symbolic Learning Classifiers Using Genetic Programming. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 645-661	15.6	93
73	Effects of static and dynamic topologies in Particle Swarm Optimisation for edge detection in noisy images 2012,		8
72	Multi-objective particle swarm optimisation (PSO) for feature selection 2012,		45
71	Extracting image features for classification by two-tier genetic programming 2012,		18
70	Parallel linear genetic programming for multi-class classification. <i>Genetic Programming and Evolvable Machines</i> , 2012 , 13, 275-304	2	4

69	Adapting modularity during learning in cooperative co-evolutionary recurrent neural networks. <i>Soft Computing</i> , 2012 , 16, 1009-1020	3.5	12
68	Extracting and using building blocks of knowledge in learning classifier systems 2012 ,		19
67	Two-cornered learning classifier systems for pattern generation and classification 2012 ,		4
66	New fitness functions in binary particle swarm optimisation for feature selection 2012 ,		6
65	Genetic programming for detecting target motions. <i>Connection Science</i> , 2012 , 24, 117-141	2.8	6
64	Evolving Genetic Programming classifiers with loop structures 2012 ,		2
63	A multi-objective particle swarm optimisation for filter-based feature selection in classification problems. <i>Connection Science</i> , 2012 , 24, 91-116	2.8	77
62	Soft edge maps from edge detectors evolved by genetic programming 2012 ,		8
61	Genetic programming for improving image descriptors generated using the scale-invariant feature transform 2012 ,		8
60	Evolving Reusable Operation-Based Due-Date Assignment Models for Job Shop Scheduling with Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2012 , 121-133	0.9	10
59	Evaporation Mechanisms for Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2012 , 238-247	0.9	3
58	Automatic Construction of Invariant Features Using Genetic Programming for Edge Detection. <i>Lecture Notes in Computer Science</i> , 2012 , 144-155	0.9	10
57	Genetic Programming for Biomarker Detection in Mass Spectrometry Data. <i>Lecture Notes in Computer Science</i> , 2012 , 266-278	0.9	8
56	XCSR with Computed Continuous Action. <i>Lecture Notes in Computer Science</i> , 2012 , 350-361	0.9	19
55	Local Search in Parallel Linear Genetic Programming for Multiclass Classification. <i>Lecture Notes in Computer Science</i> , 2012 , 373-384	0.9	1
54	Edge detection using constrained discrete particle swarm optimisation in noisy images 2011 ,		8
53	Particle swarm optimisation based AdaBoost for object detection. <i>Soft Computing</i> , 2011 , 15, 1793-1805	3.5	4
52	Depth-control strategies for crossover in tree-based genetic programming. <i>Soft Computing</i> , 2011 , 15, 1865-1878	3.5	2

51	Using genetic programming for context-sensitive feature scoring in classification problems. <i>Connection Science</i> , 2011 , 23, 183-207	2.8	17
50	Genetic programming for evolving programs with loop structures for classification tasks 2011 ,		2
49	Automatic feature extraction and image classification using genetic programming 2011 ,		6
48	Random Asynchronous PSO 2011 ,		16
47	Meta-learning and feature ranking using genetic programming for classification: Variable terminal weighting 2011 ,		14
46	A memetic framework for cooperative coevolution of recurrent neural networks 2011 ,		3
45	A genetic programming based hyper-heuristic approach for combinatorial optimisation 2011 ,		18
44	Evolving ensembles in multi-objective genetic programming for classification with unbalanced data 2011 ,		16
43	A performance study on synchronous and asynchronous updates in particle swarm optimization 2011 ,		14
42	Automatically defined functions for learning classifier systems 2011 ,		8
41	Modularity adaptation in cooperative coevolution of feedforward neural networks 2011 ,		7
40	A memetic particle swarm optimization for constrained multi-objective optimization problems 2011 ,		8
39	A domain independent Genetic Programming approach to automatic feature extraction for image classification 2011 ,		40
38	Parallel Linear Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2011 , 178-189	0.9	3
37	Transparent, Online Image Pattern Classification Using a Learning Classifier System. <i>Lecture Notes in Computer Science</i> , 2011 , 183-193	0.9	7
36	Ensemble Learning and Pruning in Multi-Objective Genetic Programming for Classification with Unbalanced Data. <i>Lecture Notes in Computer Science</i> , 2011 , 192-202	0.9	11
35	Contribution based bloat control in Genetic Programming 2010 ,		3
34	Investigation of simplification threshold and noise level of input data in numerical simplification of genetic programs 2010 ,		4

33	Evolution of aesthetically pleasing images without human-in-the-loop 2010 ,		8
32	Genetic Programming for Classification with Unbalanced Data. <i>Lecture Notes in Computer Science</i> , 2010 , 1-13	0.9	24
31	Multi-Objective Genetic Programming for object detection 2010 ,		14
30	Using unrestricted loops in genetic programming for image classification 2010 ,		12
29	Improving edge detection using particle swarm optimisation 2010 ,		4
28	2009 ,		4
27	Differentiating between individual class performance in Genetic Programming fitness for classification with unbalanced data 2009 ,		10
26	How online simplification affects building blocks in genetic programming 2009 ,		10
25	Numerical simplification for bloat control and analysis of building blocks in genetic programming. <i>Evolutionary Intelligence</i> , 2009 , 2, 151-168	1.7	25
24	A new homogeneity-based approach to edge detection using PSO 2009 ,		14
23	Particle Swarm Optimization based Adaboost for face detection 2009 ,		29
22	Genetic programming for image classification with unbalanced data 2009 ,		9
21	Solving the forward kinematics of the 3RPR planar parallel manipulator using a hybrid meta-heuristic paradigm 2009 ,		1
20	Dimensionality reduction in face detection: A genetic programming approach 2009 ,		19
19	Genetic Programming for Feature Subset Ranking in Binary Classification Problems. <i>Lecture Notes in Computer Science</i> , 2009 , 121-132	0.9	26
18	A Variant Program Structure in Tree-Based Genetic Programming for Multiclass Object Classification. <i>Studies in Computational Intelligence</i> , 2009 , 55-72	0.8	5
17	Unsupervised Elimination of Redundant Features Using Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2009 , 432-442	0.9	12
16	SCHEME: Caching subtrees in genetic programming 2008 ,		7

15	Genetic programming for medical classification: a program simplification approach. <i>Genetic Programming and Evolvable Machines</i> , 2008 , 9, 229-255	2	24
14	Using Numerical Simplification to Control Bloat in Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2008 , 493-502	0.9	14
13	Fitness Functions in Genetic Programming for Classification with Unbalanced Data 2007 , 769-775		36
12	Effects of program simplification on simple building blocks in Genetic Programming 2007 ,		7
11	A new crossover operator in genetic programming for object classification. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 1332-43		31
10	Empirical Analysis of GP Tree-Fragments 2007 , 55-67		7
9	Using Gaussian distribution to construct fitness functions in genetic programming for multiclass object classification. <i>Pattern Recognition Letters</i> , 2006 , 27, 1266-1274	4.7	62
8	Algebraic simplification of GP programs during evolution 2006 ,		28
7	A Digit Recognition System for Paper Currency Identification Based on Virtual Instruments 2006 ,		4
6	Online Program Simplification in Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2006 , 592-600.9	12	
5	Program Simplification in Genetic Programming for Object Classification. <i>Lecture Notes in Computer Science</i> , 2005 , 988-996	0.9	10
4	Linear Genetic Programming for Multi-class Object Classification. <i>Lecture Notes in Computer Science</i> , 2005 , 369-379	0.9	10
3	Program Size and Pixel Statistics in Genetic Programming for Object Detection. <i>Lecture Notes in Computer Science</i> , 2004 , 379-388	0.9	6
2	A Two Phase Genetic Programming Approach to Object Detection. <i>Lecture Notes in Computer Science</i> , 2004 , 224-231	0.9	1
1	A Domain-Independent Window Approach to Multiclass Object Detection Using Genetic Programming. <i>Eurasip Journal on Advances in Signal Processing</i> , 2003 , 2003, 1	1.9	79