

# Hisao Ishibuchi

## 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.

596  
papers

23,023  
citations

72  
h-index

139  
g-index

683  
ext. papers

27,972  
ext. citations

5  
avg, IF

7.71  
L-index

#	Paper	IF	Citations
596	Learning to Operate Distribution Networks with Safe Deep Reinforcement Learning. <i>IEEE Transactions on Smart Grid</i> , <b>2022</b> , 1-1	10.7	3
595	Difficulties in Fair Performance Comparison of Multi-Objective Evolutionary Algorithms [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , <b>2022</b> , 17, 86-101	5.6	5
594	Counterintuitive Experimental Results in Evolutionary Large-Scale Multi-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2022</b> , 1-1	15.6	1
593	A Classification-assisted Environmental Selection Strategy for Multiobjective Optimization. <i>Swarm and Evolutionary Computation</i> , <b>2022</b> , 101074	9.8	0
592	A Novel Dual-Stage Dual-Population Evolutionary Algorithm for Constrained Multi-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 1-1	15.6	2
591	A Diversity-enhanced Subset Selection Framework for Multi-modal Multi-objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 1-1	15.6	1
590	Deep Transfer Cooperative Sensing in Cognitive Radio. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 10, 1354-1358	5.9	2
589	Greedy approximated hypervolume subset selection for many-objective optimization <b>2021</b> ,		2
588	Using a Genetic Algorithm-based Hyper-heuristic to Tune MOEA/D for a Set of Various Test Problems <b>2021</b> ,		2
587	Distance-based subset selection revisited <b>2021</b> ,		1
586	Fuzzy Style K-Plane Clustering. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 1518-1532	8.3	1
585	A Grid-Based Inverted Generational Distance for Multi/Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 25, 21-34	15.6	13
584	Intermittent Stabilization of Fuzzy Competitive Neural Networks With Reaction Diffusions. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 2361-2372	8.3	10
583	A Survey on the Hypervolume Indicator in Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 25, 1-20	15.6	42
582	Event-Triggered Privacy-Preserving Average Consensus for Multiagent Networks With Time Delay: An Output Mask Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 4520-4531	7.3	2
581	Cooperative Adaptive Containment Control With Parameter Convergence via Cooperative Finite-Time Excitation. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	5
580	Weighted indicator-based evolutionary algorithm for multimodal multi-objective optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 1-1	15.6	7

579	Niching Diversity Estimation for Multi-modal Multi-objective Optimization. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 323-334	0.9	0
578	Fast Greedy Subset Selection from Large Candidate Solution Sets in Evolutionary Multi-objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 1-1	15.6	1
577	A Survey of Normalization Methods in Multiobjective Evolutionary Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 1-1	15.6	4
576	Using a Genetic Algorithm-Based Hyper-Heuristic to Tune MOEA/D for a Set of Benchmark Test Problems. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 164-177	0.9	0
575	It Is Hard to Distinguish Between Dominance Resistant Solutions and Extremely Convex Pareto Optimal Solutions. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 3-14	0.9	1
574	Improving the Efficiency of R2HCA-EMOA. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 115-125	0.9	
573	Extension of Multi-Objective Fuzzy Genetics-Based Machine Learning for Multi-Label Classification to Many-Objective Optimization. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , <b>2021</b> , 33, 531-536	0.1	0
572	A Decomposition-Based Multi-Modal Multi-Objective Evolutionary Algorithm Transforming to Two-Objective Problems. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , <b>2021</b> , 33, 537-542	0.1	
571	Michigan-Style Fuzzy Genetics-Based Machine Learning for Class Imbalance Data. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , <b>2021</b> , 33, 525-530	0.1	0
570	On the Effect of the Cooperation of Indicator-Based Multiobjective Evolutionary Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 25, 681-695	15.6	6
569	Hypervolume-Optimal Distributions on Line/Plane-based Pareto Fronts in Three Dimensions. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 1-1	15.6	1
568	A Kernel-Based Indicator for Multi/Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 1-1	15.6	1
567	Multilayer Clustering Based on Adaptive Resonance Theory for Noisy Environments <b>2020</b> ,		1
566	Robust TSK Fuzzy System Based on Semisupervised Learning for Label Noise Data. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	4
565	Anthropogenic electromagnetic fields (EMF) influence the behaviour of bottom-dwelling marine species. <i>Scientific Reports</i> , <b>2020</b> , 10, 4219	4.9	21
564	Dynamic Spectrum Access for Femtocell Networks: A Graph Neural Network Based Learning Approach <b>2020</b> ,		1
563	Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 3615-3627	6.8	7
562	Visual interaction networks: A novel bio-inspired computational model for image classification. <i>Neural Networks</i> , <b>2020</b> , 130, 100-110	9.1	8

561	Reverse Strategy for Non-Dominated Archiving. <i>IEEE Access</i> , <b>2020</b> , 8, 119458-119469	3.5	4
560	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-15	7.3	1
559	Detection of False Data Injection Attacks in AC State Estimation Using Phasor Measurements. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 1-1	10.7	11
558	An easy-to-use real-world multi-objective optimization problem suite. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 89, 106078	7.5	49
557	Simultaneous use of two normalization methods in decomposition-based multi-objective evolutionary algorithms. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 92, 106316	7.5	6
556	Effects of dominance resistant solutions on the performance of evolutionary multi-objective and many-objective algorithms <b>2020</b> ,		12
555	Hypervolume Optimal ( $\mu$ )-Distributions on Line-Based Pareto Fronts in Three Dimensions. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 257-270	0.9	2
554	Numerical Analysis on Optimal Distributions of Solutions for Hypervolume Maximization <b>2020</b> ,		1
553	Population Size Specification for Fair Comparison of Multi-objective Evolutionary Algorithms <b>2020</b> ,		2
552	Proposal of a Realistic Many-Objective Test Suite. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 201-214	0.9	1
551	Exploiting the Trade-off between Convergence and Diversity Indicators <b>2020</b> ,		2
550	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 720-734	15.6	21
549	PI-Consensus Based Distributed Control of AC Microgrids. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 2268-2278	7	15
548	A New Hypervolume-Based Evolutionary Algorithm for Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 839-852	15.6	29
547	Cyber-Attack Recovery Strategy for Smart Grid Based on Deep Reinforcement Learning. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 2476-2486	10.7	26
546	Ultrafast Active Response Strategy against Malfunction Attack on Fault Current Limiter. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 2722-2733	10.7	3
545	Event-triggered Multi-agent Optimal Regulation Using Adaptive Dynamic Programming <b>2020</b> ,		1
544	Riesz s-energy-based Reference Sets for Multi-Objective optimization <b>2020</b> ,		5

543	An Analysis of Quality Indicators Using Approximated Optimal Distributions in a 3-D Objective Space. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 853-867	15.6	15
542	Flexibility Provisions in Active Distribution Networks With Uncertainties. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 1-1	8.2	15
541	NSGA-II With Simple Modification Works Well on a Wide Variety of Many-Objective Problems. <i>IEEE Access</i> , <b>2020</b> , 8, 190240-190250	3.5	11
540	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	5
539	Decomposition-Based Multi-Objective Evolutionary Algorithm Design Under Two Algorithm Frameworks. <i>IEEE Access</i> , <b>2020</b> , 8, 163197-163208	3.5	5
538	A New Monotone Fuzzy Rule Relabeling Framework With Application to Failure Mode and Effect Analysis Methodology. <i>IEEE Access</i> , <b>2020</b> , 8, 144908-144930	3.5	2
537	On the Normalization in Evolutionary Multi-Modal Multi-Objective Optimization <b>2020</b> ,		6
536	Dynamic Normalization in MOEA/D for Multiobjective optimization <b>2020</b> ,		6
535	Multiobjective Fuzzy Genetics-Based Machine Learning for Multi-Label Classification <b>2020</b> ,		3
534	Big Data for Cyber-Physical Systems. <i>IEEE Transactions on Big Data</i> , <b>2020</b> , 6, 606-608	3.2	0
533	A Distributed Iterative Learning Framework for DC Microgrids: Current Sharing and Voltage Regulation. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2020</b> , 4, 119-129	4.1	17
532	A Novel Classification Method From the Perspective of Fuzzy Social Networks Based on Physical and Implicit Style Features of Data. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 361-375	8.3	3
531	R2-Based Hypervolume Contribution Approximation. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 185-192	15.6	20
530	A Review of Evolutionary Multimodal Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 193-200	15.6	61
529	Multiple Reference Points-Based Decomposition for Multiobjective Feature Selection in Classification: Static and Dynamic Mechanisms. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 170-184	15.6	31
528	Feasibility Identification and Computational Efficiency Improvement for Two-Stage RUC With Multiple Wind Farms. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 1669-1678	8.2	20
527	Topical network embedding. <i>Data Mining and Knowledge Discovery</i> , <b>2020</b> , 34, 75-100	5.6	6
526	Global Synchronization of Fuzzy Memristive Neural Networks With Discrete and Distributed Delays. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 2022-2034	8.3	47

525	Adapting Reference Vectors and Scalarizing Functions by Growing Neural Gas to Handle Irregular Pareto Fronts. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 1-1	15.6	12
524	Two-Layered Weight Vector Specification in Decomposition-Based Multi-Objective Algorithms for Many-Objective Optimization Problems <b>2019</b> ,		4
523	Constrained multiobjective distance minimization problems <b>2019</b> ,		4
522	AI and CI [Editor's Remarks]. <i>IEEE Computational Intelligence Magazine</i> , <b>2019</b> , 14, 2-2	5.6	
521	CIS Publication Spotlight [Publication Spotlight]. <i>IEEE Computational Intelligence Magazine</i> , <b>2019</b> , 14, 4-6	5.6	1
520	A Scalable Multimodal Multiobjective Test Problem <b>2019</b> ,		16
519	Handling Imbalance Between Convergence and Diversity in the Decision Space in Evolutionary Multimodal Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 1-1	15.6	9
518	Dynamic Power Sharing and Autonomous Voltage Regulation in Islanded DC Microgrids <b>2019</b> ,		1
517	Interactive Energy Management for Enhancing Power Balances in Multi-Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 6055-6069	10.7	28
516	Deep associative neural network for associative memory based on unsupervised representation learning. <i>Neural Networks</i> , <b>2019</b> , 113, 41-53	9.1	14
515	A niching indicator-based multi-modal many-objective optimizer. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 49, 134-146	9.8	32
514	Cashless Society [Editor's Remarks]. <i>IEEE Computational Intelligence Magazine</i> , <b>2019</b> , 14, 2-2	5.6	
513	On-Line Energy Management of Microgrid via Parametric Cost Function Approximation. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 3300-3302	7	7
512	Indicator-Based Weight Adaptation for Solving Many-Objective Optimization Problems. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 216-228	0.9	6
511	Comparison of Hypervolume, IGD and IGD+ from the Viewpoint of Optimal Distributions of Solutions. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 332-345	0.9	23
510	Review and analysis of three components of the differential evolution mutation operator in MOEA/D-DE. <i>Soft Computing</i> , <b>2019</b> , 23, 12843-12857	3.5	5
509	A Hierarchical Deep Domain Adaptation Approach for Fault Diagnosis of Power Plant Thermal System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 5139-5148	11.9	63
508	On Scalable Multiobjective Test Problems With Hardly Dominated Boundaries. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 217-231	15.6	37

507	Dynamic Energy Management of a Microgrid Using Approximate Dynamic Programming and Deep Recurrent Neural Network Learning. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 4435-4445	10.7	79
506	Event-Triggered Globalized Dual Heuristic Programming and Its Application to Networked Control Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 1383-1392	11.9	24
505	Joint Learning of Spectral Clustering Structure and Fuzzy Similarity Matrix of Data. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 31-44	8.3	11
504	Optimal Real-Time Operation Strategy for Microgrid: An ADP-Based Stochastic Nonlinear Optimization Approach. <i>IEEE Transactions on Sustainable Energy</i> , <b>2019</b> , 10, 931-942	8.2	62
503	A Hybrid Surrogate-Assisted Evolutionary Algorithm for Computationally Expensive Many-Objective Optimization <b>2019</b> ,		3
502	Searching for Local Pareto Optimal Solutions: A Case Study on Polygon-Based Problems <b>2019</b> ,		3
501	Regular Pareto Front Shape is not Realistic <b>2019</b> ,		14
500	Last Editor's Remarks [Editor's Remarks]. <i>IEEE Computational Intelligence Magazine</i> , <b>2019</b> , 14, 2-2	5.6	
499	Imbalanced Learning for Cooperative Spectrum Sensing in Cognitive Radio Networks <b>2019</b> ,		1
498	Offline Automatic Parameter Tuning of MOEA/D Using Genetic Algorithm <b>2019</b> ,		1
497	Effects of Discretization of Decision and Objective Spaces on the Performance of Evolutionary Multi-objective Optimization Algorithms <b>2019</b> ,		2
496	A Study of the Naïve Objective Space Normalization Method in MOEA/D <b>2019</b> ,		2
495	An Evolutionary Computation Approach for Smart Grid Cascading Failure Vulnerability Analysis <b>2019</b> ,		6
494	Optimal Distributions of Solutions for Hypervolume Maximization on Triangular and Inverted Triangular Pareto Fronts of Four-Objective Problems <b>2019</b> ,		1
493	Adversarial Domain Adaptation via Category Transfer <b>2019</b> ,		5
492	Optimal Pedestrian Evacuation in Building with Consecutive Differential Dynamic Programming <b>2019</b> ,		1
491	Emotion-Semantic-Enhanced Neural Network. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2019</b> , 27, 531-543	3.6	20
490	A Scalable Indicator-Based Evolutionary Algorithm for Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 525-537	15.6	47

489	Distributive Dynamic Spectrum Access Through Deep Reinforcement Learning: A Reservoir Computing-Based Approach. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 1938-1948	10.7	68
488	A Novel Framework for Gear Safety Factor Prediction. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 1998-2007	11.9	12
487	ar-MOEA: A Novel Preference-Based Dominance Relation for Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 788-802	15.6	24
486	Neuro-Optimal Tracking Control for Continuous Stirred Tank Reactor With Input Constraints. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4516-4524	11.9	16
485	An Event-Driven ADR Approach for Residential Energy Resources in Microgrids With Uncertainties. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 5275-5288	8.9	19
484	Learning HumanRobot Interaction for Robot-Assisted Pedestrian Flow Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 797-813	7.3	16
483	Parameterized Batch Reinforcement Learning for Longitudinal Control of Autonomous Land Vehicles. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 730-741	7.3	46
482	Resilient Wide-Area Damping Control Using GrHDP to Tolerate Communication Failures. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 2547-2557	10.7	57
481	Cooperative Deterministic Learning-Based Formation Control for a Group of Nonlinear Uncertain Mechanical Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 319-333	11.9	34
480	Stochastic Optimization of Economic Dispatch for Microgrid Based on Approximate Dynamic Programming. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 2440-2452	10.7	105
479	Event-Triggered Optimal Neuro-Controller Design With Reinforcement Learning for Unknown Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 1866-1878	7.3	38
478	Dynamic Behavior of Terminal Sliding Mode Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 3480-3490	8.9	54
477	Cooperative output regulation of heterogeneous multi-agent systems with a leader of bounded inputs. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 233-242	2.5	20
476	Real-Time Demand Side Management for a Microgrid Considering Uncertainties. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 1-1	10.7	75
475	An adaptive critic approach to event-triggered robust control of nonlinear systems with unmatched uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 3501-3519	3.6	9
474	SDE: A Novel Clustering Framework Based on Sparsity-Density Entropy. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 1575-1587	4.2	13
473	Guest Editorial Evolutionary Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 1-2	15.6	7
472	Self-learning robust optimal control for continuous-time nonlinear systems with mismatched disturbances. <i>Neural Networks</i> , <b>2018</b> , 99, 19-30	9.1	42



471	Stacked Blockwise Combination of Interpretable TSK Fuzzy Classifiers by Negative Correlation Learning. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 3327-3341	8.3	24
470	Operating Parameters Optimization for the Aluminum Electrolysis Process Using an Improved Quantum-Behaved Particle Swarm Algorithm. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 3405-3415	11.9	26
469	Adaptive Dynamic Programming for Robust Regulation and Its Application to Power Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 5722-5732	8.9	42
468	Reference Point Specification in Inverted Generational Distance for Triangular Linear Pareto Front. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 961-975	15.6	70
467	Intelligent Optimal Control With Critic Learning for a Nonlinear Overhead Crane System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2932-2940	11.9	65
466	Multi-clustering via evolutionary multi-objective optimization. <i>Information Sciences</i> , <b>2018</b> , 450, 128-140	7.7	46
465	Localized Weighted Sum Method for Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 3-18	15.6	169
464	A Framework for Large-Scale Multiobjective Optimization Based on Problem Transformation. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 260-275	15.6	86
463	Adaptive Supplementary Damping Control of VSC-HVDC for Interarea Oscillation Using GrHDP. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 1777-1789	7	58
462	Deep TakagiSugenoFuzzy Classifier With Shared Linguistic Fuzzy Rules. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 1535-1549	8.3	70
461	Distributed Hybrid Secondary Control for a DC Microgrid via Discrete-Time Interaction. <i>IEEE Transactions on Energy Conversion</i> , <b>2018</b> , 33, 1865-1875	5.4	32
460	Interactive Multiobjective Optimization: A Review of the State-of-the-Art. <i>IEEE Access</i> , <b>2018</b> , 6, 41256-41339	3.9	50
459	Learning Without External Reward [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , <b>2018</b> , 13, 48-54	5.6	15
458	Evolutionary Many-Objective Optimization: A Comparative Study of the State-of-the-Art. <i>IEEE Access</i> , <b>2018</b> , 6, 26194-26214	3.5	83
457	A new R2 indicator for better hypervolume approximation <b>2018</b> ,		12
456	Incorporation of a decision space diversity maintenance mechanism into MOEA/D for multi-modal multi-objective optimization <b>2018</b> ,		13
455	Dual-grid model of MOEA/D for evolutionary constrained multiobjective optimization <b>2018</b> ,		3
454	Topological Kernel Bayesian ARTMAP <b>2018</b> ,		1

453	Robust Distributed Adaptive Containment Control of Heterogeneous Linear Uncertain Multi-Agent Systems <b>2018</b> ,		2
452	Adaptive critic designs for optimal control of uncertain nonlinear systems with unmatched interconnections. <i>Neural Networks</i> , <b>2018</b> , 105, 142-153	9.1	17
451	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 866-878	15.6	30
450	Q-Learning for Non-Cooperative Channel Access Game of Cognitive Radio Networks <b>2018</b> ,		2
449	Dynamic Specification of a Reference Point for Hypervolume Calculation in SMS-EMOA <b>2018</b> ,		5
448	EDOS: Entropy Difference-based Oversampling Approach for Imbalanced Learning <b>2018</b> ,		5
447	Residential Energy Management with Deep Reinforcement Learning <b>2018</b> ,		14
446	Neural Network Based Distributed Consensus Control for Heterogeneous Multi-agent Systems <b>2018</b> ,		2
445	A Double-Niched Evolutionary Algorithm and Its Behavior on Polygon-Based Problems. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 262-273	0.9	35
444	A Decomposition-Based Evolutionary Algorithm for Multi-modal Multi-objective Optimization. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 249-261	0.9	40
443	Improving 1by1EA to Handle Various Shapes of Pareto Fronts. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 311-322	0.9	4
442	Use of Two Reference Points in Hypervolume-Based Evolutionary Multiobjective Optimization Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 384-396	0.9	5
441	An analysis of control parameters of MOEA/D under two different optimization scenarios. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 70, 22-40	7.5	19
440	How to Specify a Reference Point in Hypervolume Calculation for Fair Performance Comparison. <i>Evolutionary Computation</i> , <b>2018</b> , 26, 411-440	4.3	80
439	Learning to Navigate Through Complex Dynamic Environment With Modular Deep Reinforcement Learning. <i>IEEE Transactions on Games</i> , <b>2018</b> , 10, 400-412	1.2	30
438	A Novel Energy Function-Based Stability Evaluation and Nonlinear Control Approach for Energy Internet. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 1195-1210	10.7	88
437	An Event-Triggered Approach for Load Frequency Control With Supplementary ADP. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 581-589	7	104
436	Event-Driven Adaptive Robust Control of Nonlinear Systems With Uncertainties Through NDP Strategy. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2017</b> , 47, 1358-1370	7.3	75

435	Performance of Decomposition-Based Many-Objective Algorithms Strongly Depends on Pareto Front Shapes. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2017</b> , 21, 169-190	15.6	301
434	On the use of two reference points in decomposition based multiobjective evolutionary algorithms. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 34, 89-102	9.8	55
433	Incorporating Intelligence in Fog Computing for Big Data Analysis in Smart Cities. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 2140-2150	11.9	201
432	Intelligent Critic Control With Disturbance Attenuation for Affine Dynamics Including an Application to a Microgrid System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 4935-4944	8.9	53
431	Adaptive near-optimal controllers for non-linear decentralised feedback stabilisation problems. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 799-806	2.5	21
430	On the effect of reference point in MOEA/D for multi-objective optimization. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 58, 25-34	7.5	52
429	Improved Sliding Mode Design for Load Frequency Control of Power System Integrated an Adaptive Learning Strategy. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 6742-6751	8.9	100
428	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 245-248	8.3	3
427	Hypervolume Subset Selection for Triangular and Inverted Triangular Pareto Fronts of Three-Objective Problems <b>2017</b> ,		13
426	Event-Triggered Optimal Control for Partially Unknown Constrained-Input Systems via Adaptive Dynamic Programming. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 4101-4109	8.9	116
425	Stacked Multilevel-Denoising Autoencoders: A New Representation Learning Approach for Wind Turbine Gearbox Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2017</b> , 66, 2391-2402	5.2	165
424	A Novel Framework for Fault Diagnosis Using Kernel Partial Least Squares Based on an Optimal Preference Matrix. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 4315-4324	8.9	45
423	Adaptive dynamic programming for robust neural control of unknown continuous-time non-linear systems. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 2307-2316	2.5	30
422	Multiobjective fuzzy genetics-based machine learning based on MOEA/D with its modifications <b>2017</b> ,		2
421	Multiple reference points MOEA/D for feature selection <b>2017</b> ,		3
420	Multiobjective data mining from solutions by evolutionary multiobjective optimization <b>2017</b> ,		1
419	Reference point specification in hypervolume calculation for fair comparison and efficient search <b>2017</b> ,		39
418	A learning based approach for social force model parameter estimation <b>2017</b> ,		9

4 <sup>17</sup>	Near-space aerospace vehicles attitude control based on adaptive dynamic programming and sliding mode control <b>2017</b> ,		2
4 <sup>16</sup>	Imbalanced TSK Fuzzy Classifier by Cross-Class Bayesian Fuzzy Clustering and Imbalance Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2017</b> , 47, 2005-2020	7.3	34
4 <sup>15</sup>	Q-Learning-Based Vulnerability Analysis of Smart Grid Against Sequential Topology Attacks. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2017</b> , 12, 200-210	8	122
4 <sup>14</sup>	Adaptive wide-area power oscillation damper design for photovoltaic plant considering delay compensation. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 4511-4519	2.5	52
4 <sup>13</sup>	On the effect of normalization in MOEA/D for multi-objective and many-objective optimization. <i>Complex &amp; Intelligent Systems</i> , <b>2017</b> , 3, 279-294	7.1	36
4 <sup>12</sup>	Weakly supervised object localization with deep convolutional neural network based on spatial pyramid saliency map <b>2017</b> ,		6
4 <sup>11</sup>	Resilient wide-area damping control for interarea oscillation considering communication failure <b>2017</b> ,		1
4 <sup>10</sup>	Stacked-Structure-Based Hierarchical Takagi-Sugeno-Kang Fuzzy Classification Through Feature Augmentation. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2017</b> , 1, 421-436	4.1	15
4 <sup>09</sup>	Identify critical branches with cascading failure chain statistics and hypertext-induced topic search algorithm <b>2017</b> ,		3
4 <sup>08</sup>	Benchmarking Multi- and Many-Objective Evolutionary Algorithms Under Two Optimization Scenarios. <i>IEEE Access</i> , <b>2017</b> , 5, 19597-19619	3.5	42
4 <sup>07</sup>	Guest editorial for special issue on control and optimization in renewable energy systems. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2017</b> , 4, 167-167	7	
4 <sup>06</sup>	Use of inverted triangular weight vectors in decomposition-based multiobjective algorithms <b>2017</b> ,		1
4 <sup>05</sup>	Variational autoencoder based synthetic data generation for imbalanced learning <b>2017</b> ,		23
4 <sup>04</sup>	Data-driven robust regulation of nonlinear systems with mismatched disturbances <b>2017</b> ,		2
4 <sup>03</sup>	Consensus for non-linear multi-agent systems modelled by PDEs based on spatial boundary communication. <i>IET Control Theory and Applications</i> , <b>2017</b> , 11, 3196-3200	2.5	22
4 <sup>02</sup>	Use of Inverted Triangular Weight Vectors in Decomposition-Based Many-Objective Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 321-333	0.9	1
4 <sup>01</sup>	Preference representation using Gaussian functions on a hyperplane in evolutionary multi-objective optimization. <i>Soft Computing</i> , <b>2016</b> , 20, 2733-2757	3.5	9
4 <sup>00</sup>	Enhanced Knowledge-Leverage-Based TSK Fuzzy System Modeling for Inductive Transfer Learning. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2016</b> , 8, 1-21	8	17

399	Weighted Optimization Framework for Large-scale Multi-objective Optimization <b>2016,</b>		14
398	An Imbalanced Learning based MDR-TB Early Warning System. <i>Journal of Medical Systems</i> , <b>2016</b> , 40, 164-171	5.1	9
397	Probabilistic human mobility model in indoor environment <b>2016,</b>		5
396	Comparative studies of power grid security with network connectivity and power flow information using unsupervised learning <b>2016,</b>		6
395	Detection of false data attacks in smart grid with supervised learning <b>2016,</b>		41
394	Reference point specification in MOEA/D for multi-objective and many-objective problems <b>2016,</b>		7
393	Interactive evolutionary computation with minimum fitness evaluation requirement and offline algorithm design. <i>SpringerPlus</i> , <b>2016</b> , 5, 192		1
392	EEF: Exponentially Embedded Families With Class-Specific Features for Classification. <i>IEEE Signal Processing Letters</i> , <b>2016</b> , 23, 969-973	3.2	9
391	Pareto Fronts of Many-Objective Degenerate Test Problems. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2016</b> , 20, 807-813	15.6	60
390	Optimized Relative Transformation Matrix Using Bacterial Foraging Algorithm for Process Fault Detection. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 2595-2605	8.9	31
389	Transfer Prototype-Based Fuzzy Clustering. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 1210-1232	8.3	64
388	Fuzzy-Based Goal Representation Adaptive Dynamic Programming. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 1159-1175	8.3	35
387	Probability Density Function Estimation Using the EEF With Application to Subset/Feature Selection. <i>IEEE Transactions on Signal Processing</i> , <b>2016</b> , 64, 641-651	4.8	12
386	Semi-periodically intermittent control for synchronization of switched complex networks: a mode-dependent average dwell time approach. <i>Nonlinear Dynamics</i> , <b>2016</b> , 83, 1757-1771	5	24
385	Meta-optimization based multi-objective test problem generation using WFG toolkit <b>2016,</b>		1
384	A Fault-Tolerant Location Approach for Transient Voltage Disturbance Source Based on Information Fusion. <i>Energies</i> , <b>2016</b> , 9, 1092	3.1	2
383	<b>2016,</b>		4
382	Detection of false data injection attacks in smart grid under colored Gaussian noise <b>2016,</b>		15

381	Mutation operators based on variable grouping for multi-objective large-scale optimization <b>2016</b> ,		11
380	Cyber-physical attacks and defences in the smart grid: a survey. <i>IET Cyber-Physical Systems: Theory and Applications</i> , <b>2016</b> , 1, 13-27	2.5	221
379	Performance comparison of NSGA-II and NSGA-III on various many-objective test problems <b>2016</b> ,		40
378	How to compare many-objective algorithms under different settings of population and archive sizes <b>2016</b> ,		13
377	Characteristics of many-objective test problems and penalty parameter specification in MOEA/D <b>2016</b> ,		5
376	Adaptive-critic-based event-driven nonlinear robust state feedback <b>2016</b> ,		4
375	Common properties of scalable multiobjective problems and a new framework of test problems <b>2016</b> ,		7
374	Toward Optimal Feature Selection in Naive Bayes for Text Categorization. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 2508-2521	4.2	132
373	Use of Piecewise Linear and Nonlinear Scalarizing Functions in MOEA/D. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 503-513	0.9	5
372	Online Calculation for the Optimal Reclosing Time of Transmission Lines. <i>Electric Power Components and Systems</i> , <b>2016</b> , 44, 1904-1916	1	5
371	SMES-Based Damping Controller Design Using Fuzzy-GrHDP Considering Transmission Delay. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-6	1.8	10
370	Application of Parallel Distributed Implementation to Multiobjective Fuzzy Genetics-Based Machine Learning. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 462-471	0.9	1
369	Load Frequency Control in Isolated Micro-Grids with Electrical Vehicles Based on Multivariable Generalized Predictive Theory. <i>Energies</i> , <b>2015</b> , 8, 2145-2164	3.1	73
368	A Study on Performance Evaluation Ability of a Modified Inverted Generational Distance Indicator <b>2015</b> ,		41
367	Modified Distance Calculation in Generational Distance and Inverted Generational Distance. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 110-125	0.9	121
366	Multitask Coupled Logistic Regression and its Fast Implementation for Large Multitask Datasets. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 1953-66	10.2	13
365	An Improved SVM-Based Cognitive Diagnosis Algorithm for Operation States of Distribution Grid. <i>Cognitive Computation</i> , <b>2015</b> , 7, 582-593	4.4	13
364	Convergence Proof of Approximate Policy Iteration for Undiscounted Optimal Control of Discrete-Time Systems. <i>Cognitive Computation</i> , <b>2015</b> , 7, 763-771	4.4	2

363	Effects of heuristic rule generation from multiple patterns in multiobjective fuzzy genetics-based machine learning <b>2015</b> ,		4
362	Cascading Failure Analysis With DC Power Flow Model and Transient Stability Analysis. <i>IEEE Transactions on Power Systems</i> , <b>2015</b> , 30, 285-297	7	112
361	Power System Stability Control for a Wind Farm Based on Adaptive Dynamic Programming. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 166-177	10.7	117
360	Behavior of Multiobjective Evolutionary Algorithms on Many-Objective Knapsack Problems. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2015</b> , 19, 264-283	15.6	230
359	Multitask TSK fuzzy system modeling by mining intertask common hidden structure. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 548-61	10.2	74
358	Simple modifications on heuristic rule generation and rule evaluation in Michigan-style fuzzy genetics-based machine learning <b>2015</b> ,		3
357	Effects of ensemble action selection with different usage of player's memory resource on the evolution of cooperative strategies for iterated prisoner's dilemma game <b>2015</b> ,		1
356	Variants of heuristic rule generation from multiple patterns in Michigan-style fuzzy genetics-based machine learning <b>2015</b> ,		2
355	A Power System Optimal Dispatch Strategy Considering the Flow of Carbon Emissions and Large Consumers. <i>Energies</i> , <b>2015</b> , 8, 9087-9106	3.1	5
354	Multiobjective Genetic Fuzzy Systems <b>2015</b> , 1479-1498		2
353	Relation Between Weight Vectors and Solutions in MOEA/D <b>2015</b> ,		6
352	Algorithm structure optimization by choosing operators in multiobjective genetic local search <b>2015</b> ,		2
351	Traveling with My Laptop [Editor's Remarks]. <i>IEEE Computational Intelligence Magazine</i> , <b>2015</b> , 10, 2-2	5.6	
350	KernelADASYN: Kernel based adaptive synthetic data generation for imbalanced learning <b>2015</b> ,		26
349	Top Three News Stories on IEEE CIM in 2014 [Editor's Remarks]. <i>IEEE Computational Intelligence Magazine</i> , <b>2015</b> , 10, 2-2	5.6	
348	Reflex-Tree: A Biologically Inspired Parallel Architecture for Future Smart Cities <b>2015</b> ,		7
347	Predictive event-triggered control based on heuristic dynamic programming for nonlinear continuous-time systems <b>2015</b> ,		1
346	Joint Substation-Transmission Line Vulnerability Assessment Against the Smart Grid. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2015</b> , 10, 1010-1024	8	36

345	A Knee-Based EMO Algorithm with an Efficient Method to Update Mobile Reference Points. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 202-217	0.9	2
344	Frequency control using on-line learning method for island smart grid with EVs and PVs <b>2014</b> ,		6
343	Resilience Analysis of Power Grids Under the Sequential Attack. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2014</b> , 9, 2340-2354	8	82
342	Dm-KDE: dynamical kernel density estimation by sequences of KDE estimators with fixed number of components over data streams. <i>Frontiers of Computer Science</i> , <b>2014</b> , 8, 563-580	2.2	8
341	Kernel-Based Approximate Dynamic Programming for Real-Time Online Learning Control: An Experimental Study. <i>IEEE Transactions on Control Systems Technology</i> , <b>2014</b> , 22, 146-156	4.8	45
340	The sequential attack against power grid networks <b>2014</b> ,		14
339	Integrated Security Analysis on Cascading Failure in Complex Networks. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2014</b> , 9, 451-463	8	76
338	Computational Intelligence in Big Data [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , <b>2014</b> , 9, 12-13	5.6	18
337	Application of Fuzzy Inference Rules to Early Semi-automatic Estimation of Activity Duration in Software Project Management. <i>IEEE Transactions on Human-Machine Systems</i> , <b>2014</b> , 44, 678-688	4.1	9
336	Energy-Storage-Based Low-Frequency Oscillation Damping Control Using Particle Swarm Optimization and Heuristic Dynamic Programming. <i>IEEE Transactions on Power Systems</i> , <b>2014</b> , 29, 2539-2548	7.7	101
335	Sparse-Representation-Based Classification with Structure-Preserving Dimension Reduction. <i>Cognitive Computation</i> , <b>2014</b> , 6, 608-621	4.4	28
334	Imbalanced evolving self-organizing learning. <i>Neurocomputing</i> , <b>2014</b> , 133, 258-270	5.4	28
333	Message from the New Editor-in-Chief [Editor's Remarks]. <i>IEEE Computational Intelligence Magazine</i> , <b>2014</b> , 9, 2-2	5.6	
332	Geographical Outreach Activities [Editor's Remarks]. <i>IEEE Computational Intelligence Magazine</i> , <b>2014</b> , 9, 2-2	5.6	
331	What Is Your Main IEEE Society? [Editor's Remarks]. <i>IEEE Computational Intelligence Magazine</i> , <b>2014</b> , 9, 2-17	5.6	
330	Meta-level multi-objective formulations of set optimization for multi-objective optimization problems <b>2014</b> ,		4
329	Revealing cascading failure vulnerability in power grids using risk-graph. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2014</b> , 25, 3274-3284	3.7	99
328	Hybrid classification with partial models <b>2014</b> ,		3



327	Event-triggered reinforcement learning approach for unknown nonlinear continuous-time system <b>2014,</b>		30
326	Evolutionary many-objective optimization using preference on hyperplane <b>2014,</b>		6
325	Multi-machine power system control based on dual heuristic dynamic programming <b>2014,</b>		12
324	Selecting a small number of non-dominated solutions to be presented to the decision maker <b>2014,</b>		7
323	Advancing motivated learning with goal creation <b>2014,</b>		1
322	A fast deep learning system using GPU <b>2014,</b>		14
321	Visual examination of the behavior of EMO algorithms for many-objective optimization with many decision variables <b>2014,</b>		14
320	A multi-objective approach for solving the survivable network design problem with simultaneous unicast and anycast flows. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 24, 1145-1154	7.5	2
319	A comparison of multi-objective evolutionary algorithms for the ontology meta-matching problem <b>2014,</b>		9
318	Effects of ensemble action selection on the evolution of iterated prisoner's dilemma game strategies <b>2014,</b>		1
317	Review of coevolutionary developments of evolutionary multi-objective and many-objective algorithms and test problems <b>2014,</b>		10
316	Difficulties in specifying reference points to calculate the inverted generational distance for many-objective optimization problems <b>2014,</b>		44
315	Genetic lateral tuning of membership functions as post-processing for hybrid fuzzy genetics-based machine learning <b>2014,</b>		2
314	Active Power Oscillation Property Classification of Electric Power Systems Based on SVM. <i>Journal of Applied Mathematics</i> , <b>2014</b> , 2014, 1-9	1.1	4
313	Archive Management in Interactive Evolutionary Computation with Minimum Requirement for Human User's Fitness Evaluation Ability. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 360-371	0.9	1
312	Distance-Based Analysis of Crossover Operators for Many-Objective Knapsack Problems. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 600-610	0.9	15
311	Class Imbalance and Active Learning <b>2013</b> , 101-149		19
310	Assessment Metrics for Imbalanced Learning <b>2013</b> , 187-206		33

309	Nonstationary Stream Data Learning with Imbalanced Class Distribution <b>2013</b> , 151-186		2
308	Ensemble Methods for Class Imbalance Learning <b>2013</b> , 61-82		18
307	Special Issue Editorial: Computational Intelligence and Applications. <i>Cognitive Computation</i> , <b>2013</b> , 5, 1-2	4.4	2
306	Class Imbalance Learning Methods for Support Vector Machines <b>2013</b> , 83-99		77
305	Repeated double cross-validation for choosing a single solution in evolutionary multi-objective fuzzy classifier design. <i>Knowledge-Based Systems</i> , <b>2013</b> , 54, 22-31	7.3	21
304	Multiobjective genetic fuzzy rule selection with fuzzy relational rules <b>2013</b> ,		5
303	Learning and Optimization in Hierarchical Adaptive Critic Design <b>2013</b> , 78-97		12
302	Heuristic dynamic programming with internal goal representation. <i>Soft Computing</i> , <b>2013</b> , 17, 2101-2108	3.5	21
301	How to strike a balance between local search and global search in multiobjective memetic algorithms for multiobjective 0/1 knapsack problems <b>2013</b> ,		2
300	Knowledge-Leverage-Based Fuzzy System and Its Modeling. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2013</b> , 21, 597-609	8.3	59
299	Many-objective and many-variable test problems for visual examination of multiobjective search <b>2013</b> ,		22
298	Difficulties in choosing a single final classifier from non-dominated solutions in multiobjective fuzzy genetics-based machine learning <b>2013</b> ,		1
297	Parallel Distributed Hybrid Fuzzy GBML Models With Rule Set Migration and Training Data Rotation. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2013</b> , 21, 355-368	8.3	43
296	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2013</b> , 21, 45-65	8.3	233
295	Ensemble learning for wind profile prediction with missing values. <i>Neural Computing and Applications</i> , <b>2013</b> , 22, 287-294	4.8	2
294	Optimized Control of DFIG-Based Wind Generation Using Sensitivity Analysis and Particle Swarm Optimization. <i>IEEE Transactions on Smart Grid</i> , <b>2013</b> , 4, 509-520	10.7	92
293	Multi-Contingency Cascading Analysis of Smart Grid Based on Self-Organizing Map. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2013</b> , 8, 646-656	8	52
292	Difficulty in Evolutionary Multiobjective Optimization of Discrete Objective Functions with Different Granularities. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 230-245	0.9	8

291	Evolution of cooperative strategies for iterated prisoner's dilemma on networks <b>2013,</b>		4
290	Effects of the Number of Opponents on the Evolution of Cooperation in the Iterated Prisoner's Dilemma <b>2013,</b>		1
289	Comparative study between HDP and PSS on DFIG damping control <b>2013,</b>		13
288	Improving a fuzzy association rule-based classification model by granularity learning based on heuristic measures over multiple granularities <b>2013,</b>		2
287	Rule weight update in parallel distributed fuzzy genetics-based machine learning with data rotation <b>2013,</b>		3
286	Effects of duplicated objectives in many-objective optimization problems on the search behavior of hypervolume-based evolutionary algorithms <b>2013,</b>		4
285	Learning from multiple data sets with different missing attributes and privacy policies: Parallel distributed fuzzy genetics-based machine learning approach <b>2013,</b>		3
284	Imbalanced Datasets: From Sampling to Classifiers <b>2013,</b> 43-59		37
283	Relation between Neighborhood Size and MOEA/D Performance on Many-Objective Problems. <i>Lecture Notes in Computer Science, 2013,</i> 459-474	0.9	22
282	A Study on the Specification of a Scalarizing Function in MOEA/D for Many-Objective Knapsack Problems. <i>Lecture Notes in Computer Science, 2013,</i> 231-246	0.9	31
281	Neighborhood Specification for Game Strategy Evolution in a Spatial Iterated Prisoner's Dilemma Game. <i>Lecture Notes in Computer Science, 2013,</i> 215-230	0.9	
280	Multiobjective Memetic Algorithms. <i>Studies in Computational Intelligence, 2012,</i> 201-217	0.8	15
279	Integration of fuzzy controller with adaptive dynamic programming <b>2012,</b>		5
278	Learning and control in virtual reality for machine intelligence <b>2012,</b>		7
277	Feature selection based on sparse imputation <b>2012,</b>		17
276	Neural and fuzzy dynamic programming for under-actuated systems <b>2012,</b>		6
275	Strategy evolution in a spatial IPD game where each agent is not allowed to play against itself <b>2012</b>		3
274	Reinforcement learning control based on multi-goal representation using hierarchical heuristic dynamic programming <b>2012,</b>		18

273	Data-driven learning and control with multiple critic networks <b>2012</b> ,		5
272	Evolution of strategies in a spatial IPD game with a number of different representation schemes <b>2012</b> ,		5
271	SOMKE: kernel density estimation over data streams by sequences of self-organizing maps. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2012</b> , 23, 1254-68	10.3	34
270	Special Issue on Evolutionary Fuzzy Systems. <i>International Journal of Computational Intelligence Systems</i> , <b>2012</b> , 5, 209-211	3.4	5
269	An integrated visualization approach for smart grid attacks <b>2012</b> ,		7
268	Dynamic Neural Networks for Model-Free Control and Identification. <i>Journal of Control Science and Engineering</i> , <b>2012</b> , 2012, 1-2	1.2	
267	Effects of discrete objective functions with different granularities on the search behavior of EMO algorithms <b>2012</b> ,		5
266	Two-objective solution set optimization to maximize hypervolume and decision space diversity in multiobjective optimization <b>2012</b> ,		7
265	Application of parallel distributed genetics-based machine learning to imbalanced data sets <b>2012</b> ,		1
264	Recombination of Similar Parents in SMS-EMOA on Many-Objective 0/1 Knapsack Problems. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 132-142	0.9	7
263	Ensemble Fuzzy Rule-Based Classifier Design by Parallel Distributed Fuzzy GBML Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 93-103	0.9	1
262	Incremental learning from stream data. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 1901-14		83
261	Behavior of EMO algorithms on many-objective optimization problems with correlated objectives <b>2011</b> ,		34
260	Effects of the Existence of Highly Correlated Objectives on the Behavior of MOEA/D. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 166-181	0.9	16
259	Mobile Robot Controller Design by Evolutionary Multiobjective Optimization in Multiagent Environments. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 515-524	0.9	1
258	Training Data Subdivision and Periodical Rotation in Hybrid Fuzzy Genetics-Based Machine Learning <b>2011</b> ,		5
257	Evolution of Strategies With Different Representation Schemes in a Spatial Iterated Prisoner's Dilemma Game. <i>IEEE Transactions on Games</i> , <b>2011</b> , 3, 67-82		26
256	Implementation of cellular genetic algorithms with two neighborhood structures for single-objective and multi-objective optimization. <i>Soft Computing</i> , <b>2011</b> , 15, 1749-1767	3.5	6

255	Special issue on evolutionary fuzzy systems. <i>Soft Computing</i> , <b>2011</b> , 15, 2299-2301	3.5	7
254	Performance evaluation of evolutionary multiobjective optimization algorithms for multiobjective fuzzy genetics-based machine learning. <i>Soft Computing</i> , <b>2011</b> , 15, 2415-2434	3.5	31
253	Multiobjective genetic fuzzy rule selection of single granularity-based fuzzy classification rules and its interaction with the lateral tuning of membership functions. <i>Soft Computing</i> , <b>2011</b> , 15, 2303-2318	3.5	66
252	Towards incremental learning of nonstationary imbalanced data stream: a multiple selectively recursive approach. <i>Evolving Systems</i> , <b>2011</b> , 2, 35-50	2.1	90
251	Effects of configuration of agents with different strategy representations on the evolution of cooperative behavior in a spatial IPD game <b>2011</b> ,		7
250	Hybrid learning based on Multiple Self-Organizing Maps and Genetic Algorithm <b>2011</b> ,		3
249	Many-objective test problems with multiple Pareto optimal regions in a decision space <b>2011</b> ,		1
248	Double cross-validation for performance evaluation of multi-objective genetic fuzzy systems <b>2011</b> ,		3
247	A many-objective test problem for visually examining diversity maintenance behavior in a decision space <b>2011</b> ,		40
246	An online actor-critic learning approach with Levenberg-Marquardt algorithm <b>2011</b> ,		8
245	Adaptive dynamic programming with balanced weights seeking strategy <b>2011</b> ,		7
244	A meta-fuzzy classifier for specifying appropriate fuzzy partitions by genetic fuzzy rule selection with data complexity measures <b>2011</b> ,		7
243	Toward quantitative definition of explanation ability of fuzzy rule-based classifiers <b>2011</b> ,		7
242	Accuracy improvement of genetic fuzzy rule selection with candidate rule addition and membership tuning <b>2010</b> ,		5
241	DCPE co-training: Co-training based on diversity of class probability estimation <b>2010</b> ,		3
240	An integrated incremental self-organizing map and hierarchical neural network approach for cognitive radio learning <b>2010</b> ,		7
239	Social computing research map <b>2010</b> ,		1
238	Appropriate granularity specification for fuzzy classifier design by data complexity measures <b>2010</b> ,		2

237	A hierarchical learning architecture with multiple-goal representations based on adaptive dynamic programming <b>2010</b> ,		9
236	Effects of fine fuzzy partitions on the generalization ability of evolutionary multi-objective fuzzy rule-based classifiers <b>2010</b> ,		2
235	Many-Objective Test Problems to Visually Examine the Behavior of Multiobjective Evolution in a Decision Space <b>2010</b> , 91-100		55
234	Two-time-scale online actor-critic paradigm driven by POMDP <b>2010</b> ,		2
233	Simultaneous use of different scalarizing functions in MOEA/D <b>2010</b> ,		73
232	Indicator-based evolutionary algorithm with hypervolume approximation by achievement scalarizing functions <b>2010</b> ,		39
231	MuSeRA: Multiple Selectively Recursive Approach towards imbalanced stream data mining <b>2010</b> ,		19
230	Simple changes in problem formulations make a difference in multiobjective genetic fuzzy systems <b>2010</b> ,		2
229	Use of very small training data subsets in parallel distributed genetic fuzzy rule selection <b>2010</b> ,		3
228	Multiobjectivization from two objectives to four objectives in evolutionary multi-objective optimization algorithms <b>2010</b> ,		5
227	MAC protocol classification in a cognitive radio network <b>2010</b> ,		3
226	Special Issue Editorial: Advances in Computational Intelligence and Applications. <i>Cognitive Computation</i> , <b>2010</b> , 2, 255-256		4-4
225	Diversity Improvement by Non-Geometric Binary Crossover in Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2010</b> , 14, 985-998	15.6	60
224	IEEE CIS VP-Technical Activities Vision Statement [Society Briefs]. <i>IEEE Computational Intelligence Magazine</i> , <b>2010</b> , 5, 6-6	5.6	3
223	Incorporation of Hypervolume Approximation with Scalarizing Functions into Indicator-Based Evolutionary Multiobjective Optimization Algorithms. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2010</b> , 23, 165-177	0.1	4
222	How to Choose Solutions for Local Search in Multiobjective Combinatorial Memetic Algorithms <b>2010</b> , 516-525		9
221	Parallel Distributed Implementation of Genetics-Based Machine Learning for Fuzzy Classifier Design. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 309-318	0.9	4
220	Selection of Initial Solutions for Local Search in Multiobjective Genetic Local Search. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2010</b> , 23, 178-187	0.1	1

219	Complexity, interpretability and explanation capability of fuzzy rule-based classifiers <b>2009</b> ,		11
218	Evolution of cooperative behavior in a spatial iterated prisoner's dilemma game with different representation schemes of game strategies <b>2009</b> ,		3
217	Selecting a small number of representative non-dominated solutions by a hypervolume-based solution selection approach <b>2009</b> ,		9
216	Search ability of evolutionary multiobjective optimization algorithms for multiobjective fuzzy genetics-based machine learning <b>2009</b> ,		3
215	SOMSO: A self-organizing map approach for spatial outlier detection with multiple attributes <b>2009</b> ,		10
214	Single-objective and multi-objective formulations of solution selection for hypervolume maximization <b>2009</b> ,		7
213	Effects of nongeometric binary crossover on multiobjective 0/1 knapsack problems. <i>Artificial Life and Robotics</i> , <b>2009</b> , 13, 434-437	0.6	
212	Use of multi-objective genetic rule selection for examining the effectiveness of inter-vehicle communication in traffic simulations. <i>Artificial Life and Robotics</i> , <b>2009</b> , 14, 410-413	0.6	1
211	Evolution of cooperative behavior among heterogeneous agents with different strategy representations in an iterated prisoner's dilemma game. <i>Artificial Life and Robotics</i> , <b>2009</b> , 14, 414-417	0.6	1
210	Incorporation of user preference into multi-objective genetic fuzzy rule selection for pattern classification problems. <i>Artificial Life and Robotics</i> , <b>2009</b> , 14, 418-421	0.6	17
209	Use of biased neighborhood structures in multiobjective memetic algorithms. <i>Soft Computing</i> , <b>2009</b> , 13, 795-810	3.5	20
208	Parallel distributed genetic fuzzy rule selection. <i>Soft Computing</i> , <b>2009</b> , 13, 511-519	3.5	30
207	Effects of Including Single-Objective Optimal Solutions in an Initial Population on Evolutionary Multiobjective Optimization <b>2009</b> ,		1
206	Empirical Analysis of Using Weighted Sum Fitness Functions in NSGA-II for Many-Objective 0/1 Knapsack Problems <b>2009</b> ,		7
205	Effects of using two neighborhood structures on the performance of cellular evolutionary algorithms for many-objective optimization <b>2009</b> ,		19
204	Learning from Imbalanced Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2009</b> , 21, 1263-1284		3859
203	Hypervolume approximation using achievement scalarizing functions for evolutionary many-objective optimization <b>2009</b> ,		23
202	Generating single granularity-based fuzzy classification rules for multiobjective genetic fuzzy rule selection <b>2009</b> ,		9

201	Evolutionary many-objective optimization by NSGA-II and MOEA/D with large populations <b>2009</b> ,		85
200	Adaptation of Scalarizing Functions in MOEA/D: An Adaptive Scalarizing Function-Based Multiobjective Evolutionary Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 438-452	0.9	63
199	Multiobjective Genetic Fuzzy Systems. <i>Intelligent Systems Reference Library</i> , <b>2009</b> , 131-173	0.8	8
198	Effects of Data Reduction on the Generalization Ability of Parallel Distributed Genetic Fuzzy Rule Selection <b>2009</b> ,		5
197	Interactive genetic fuzzy rule selection through evolutionary multiobjective optimization with user preference <b>2009</b> ,		1
196	SERA: Selectively recursive approach towards nonstationary imbalanced stream data mining <b>2009</b> ,		54
195	Implementation of Multiobjective Memetic Algorithms for Combinatorial Optimization Problems: A Knapsack Problem Case Study. <i>Studies in Computational Intelligence</i> , <b>2009</b> , 27-49	0.8	13
194	Gene Expression Analysis by Fuzzy and Hybrid Fuzzy Classification. <i>Studies in Fuzziness and Soft Computing</i> , <b>2009</b> , 127-140	0.7	1
193	Proposal of Approximating Hypervolume by Scalarizing Functions for Evolutionary Many-Objective Optimization. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2009</b> , 22, 385-395	0.1	1
192	Difficulties in Evolutionary Multiobjective Optimization for Many-Objective Optimization Problems and Their Scalability Improvement Techniques. <i>Transactions of the Institute of Systems Control and Information Engineers</i> , <b>2009</b> , 22, 220-228	0.1	0
191	IMORL: incremental multiple-object recognition and localization. <i>IEEE Transactions on Neural Networks</i> , <b>2008</b> , 19, 1727-38		40
190	Effectiveness of scalability improvement attempts on the performance of NSGA-II for many-objective problems <b>2008</b> ,		52
189	Designing fuzzy rule-based classifiers that can visually explain their classification results to human users <b>2008</b> ,		8
188	Behavior of Evolutionary Many-Objective Optimization <b>2008</b> ,		77
187	A study on constructing fuzzy systems for high-level decision making in a car racing game <b>2008</b> ,		1
186	Modeling and simulation of VSC-HVDC with dynamic phasors <b>2008</b> ,		4
185	Evolutionary many-objective optimization <b>2008</b> ,		114
184	Evolutionary multiobjective optimization and multiobjective fuzzy system design <b>2008</b> ,		1



183	Scalability of multiobjective genetic local search to many-objective problems: Knapsack problem case studies <b>2008</b> ,		5
182	A visual explanation system for explaining fuzzy reasoning results by fuzzy rule-based classifiers <b>2008</b> ,		2
181	A study on constructing fuzzy systems for high-level decision making in a car racing game <b>2008</b> ,		1
180	ADASYN: Adaptive synthetic sampling approach for imbalanced learning <b>2008</b> ,		199
179	A cost-based fuzzy system for pattern classification with class importance. <i>Artificial Life and Robotics</i> , <b>2008</b> , 12, 43-46	0.6	5
178	Effects of constructing fuzzy discretization from crisp discretization for rule-based classifiers. <i>Artificial Life and Robotics</i> , <b>2008</b> , 13, 294-297	0.6	4
177	Obtaining accurate classifiers with Pareto-optimal and near Pareto-optimal rules. <i>Artificial Life and Robotics</i> , <b>2008</b> , 13, 315-319	0.6	2
176	An empirical study on similarity-based mating for evolutionary multiobjective combinatorial optimization. <i>European Journal of Operational Research</i> , <b>2008</b> , 188, 57-75	5.6	82
175	Evolutionary many-objective optimization: A short review <b>2008</b> ,		301
174	Multiobjective Classification Rule Mining <b>2008</b> , 219-240		1
173	Effects of Diversity Measures on the Design of Ensemble Classifiers by Multiobjective Genetic Fuzzy Rule Selection with a Multi-classifier Coding Scheme. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 755-763	0.9	1
172	Genetic Fuzzy Rule Selection with Pareto-optimal Rules as Candidate Rules. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , <b>2008</b> , 20, 231-243	0.1	
171	Pattern Classification with Linguistic Rules <b>2008</b> , 377-395		4
170	Evolutionary Multi-objective Rule Selection for Classification Rule Mining. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 47-70	0.8	4
169	Evolutionary Multiobjective Design of Fuzzy Rule-Based Classifiers. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 641-685	0.8	4
168	Examining the Effect of Elitism in Cellular Genetic Algorithms Using Two Neighborhood Structures. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 458-467	0.9	4
167	Use of Heuristic Local Search for Single-Objective Optimization in Multiobjective Memetic Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 743-752	0.9	10
166	Use of Local Ranking in Cellular Genetic Algorithms with Two Neighborhood Structures. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 309-318	0.9	2

165	Evolutionary Multiobjective Design of Fuzzy Rule-Based Systems <b>2007</b> ,			12
164	Relation between Pareto-Optimal Fuzzy Rules and Pareto-Optimal Fuzzy Rule Sets <b>2007</b> ,			12
163	A Study on Traffic Information Sharing Through Inter-Vehicle Communication <b>2007</b> ,			3
162	Mimicking Dribble Trajectories by Neural Networks for RoboCup Soccer Simulation <b>2007</b> ,			3
161	Multiobjective Genetic Fuzzy Systems: Review and Future Research Directions. <i>IEEE International Conference on Fuzzy Systems</i> , <b>2007</b> ,			31
160	Iterative approach to indicator-based multiobjective optimization <b>2007</b> ,			21
159	Analysis of interpretability-accuracy tradeoff of fuzzy systems by multiobjective fuzzy genetics-based machine learning. <i>International Journal of Approximate Reasoning</i> , <b>2007</b> , 44, 4-31	3.6		279
158	A genetic approach to the design of autonomous agents for futures trading. <i>Artificial Life and Robotics</i> , <b>2007</b> , 11, 145-148	0.6		3
157	A weighted fuzzy classifier and its application to image processing tasks. <i>Fuzzy Sets and Systems</i> , <b>2007</b> , 158, 284-294	3.7		49
156	Data Set Subdivision for Parallel Distributed Implementation of Genetic Fuzzy Rule Selection. <i>IEEE International Conference on Fuzzy Systems</i> , <b>2007</b> ,			5
155	Effects of the use of non-geometric binary crossover on evolutionary multiobjective optimization <b>2007</b> ,			2
154	Prescreening of Candidate Rules Using Association Rule Mining and Pareto-optimality in Genetic Rule Selection. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 509-516	0.9		6
153	An empirical study on the specification of the local search application probability in multiobjective memetic algorithms <b>2007</b> ,			7
152	Fuzzy Classification of Gene Expression Data. <i>IEEE International Conference on Fuzzy Systems</i> , <b>2007</b> ,			4
151	Bootstrap Methods for Foreign Currency Exchange Rates Prediction. <i>Neural Networks (IJCNN), International Joint Conference on</i> , <b>2007</b> ,			5
150	A Novel Low-Power Logic Circuit Design Scheme. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , <b>2007</b> , 54, 176-180			7
149	Genetic rule selection with a multi-classifier coding scheme for ensemble classifier design. <i>International Journal of Hybrid Intelligent Systems</i> , <b>2007</b> , 4, 157-169	0.9		8
148	Optimization of Scalarizing Functions Through Evolutionary Multiobjective Optimization <b>2007</b> , 51-65			48

147	Special Issue on Memetic Algorithms. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2007</b> , 37, 2-5		44
146	Introducing Class-Based Classification Priority in Fuzzy Rule-Based Classification Systems. <i>IEEE International Conference on Fuzzy Systems</i> , <b>2007</b> ,		1
145	Breast Cancer Classification Using Statistical Features and Fuzzy Classification of Thermograms. <i>IEEE International Conference on Fuzzy Systems</i> , <b>2007</b> ,		13
144	Constructing Cost-Sensitive Fuzzy-Rule-Based Systems for Pattern Classification Problems. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , <b>2007</b> , 11, 546-553	0.4	4
143	Use of Pareto-Optimal and Near Pareto-Optimal Candidate Rules in Genetic Fuzzy Rule Selection <b>2007</b> , 387-396		6
142	Incorporation of decision maker's preference into evolutionary multiobjective optimization algorithms <b>2006</b> ,		10
141	The Effect of Using Match History on the Evolution of RoboCup Soccer Team Strategies <b>2006</b> ,		7
140	A Cost-based Fuzzy Rule-based System for Pattern Classification Problems <b>2006</b> ,		1
139	Fuzzy Data Mining by Heuristic Rule Extraction and Multiobjective Genetic Rule Selection <b>2006</b> ,		9
138	Genetic Rule Selection as a Postprocessing Procedure in Fuzzy Data Mining <b>2006</b> ,		3
137	Incorporation of Scalarizing Fitness Functions into Evolutionary Multiobjective Optimization Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 493-502	0.9	37
136	Designing Fuzzy Ensemble Classifiers by Evolutionary Multiobjective Optimization with an Entropy-Based Diversity Criterion <b>2006</b> ,		8
135	Comparison of Search Ability between Genetic Fuzzy Rule Selection and Fuzzy Genetics-Based Machine Learning <b>2006</b> ,		2
134	Evolutionary multiobjective optimization for the design of fuzzy rule-based ensemble classifiers. <i>International Journal of Hybrid Intelligent Systems</i> , <b>2006</b> , 3, 129-145	0.9	28
133	An approach to fuzzy default reasoning for function approximation. <i>Soft Computing</i> , <b>2006</b> , 10, 850-864	3.5	10
132	Performance Evaluation of an Evolutionary Method for RoboCup Soccer Strategies. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 616-623	0.9	8
131	Effects of Using Two Neighborhood Structures in Cellular Genetic Algorithms for Function Optimization. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 949-958	0.9	9
130	Finding Simple Fuzzy Classification Systems with High Interpretability Through Multiobjective Rule Selection. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 86-93	0.9	4

129	Fuzzy Ensemble Design through Multi-Objective Fuzzy Rule Selection <b>2006</b> , 507-530		4
128	Fuzzy Ensemble Design through Multi-Objective Fuzzy Rule Selection <b>2006</b> , 507-530		
127	Developing a Goal Keeper for Simulated RoboCup Soccer and its Performance Evaluation <b>2006</b> , 75-80		
126	Rule weight specification in fuzzy rule-based classification systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2005</b> , 13, 428-435	8.3	310
125	Hybridization of fuzzy GBML approaches for pattern classification problems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2005</b> , 35, 359-65		177
124	Evolution of iterated prisoner's dilemma game strategies in structured demes under random pairing in game playing. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2005</b> , 9, 552-561	15.6	69
123	Performance evaluation of evolutionary multiobjective approaches to the design of fuzzy rule-based ensemble classifiers <b>2005</b> ,		2
122	Design of Understandable Fuzzy Models. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , <b>2005</b> , 17, 31-33	0.1	
121	Recombination of Similar Parents in EMO Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 265-279	0.9	13
120	Comparison Between Lamarckian and Baldwinian Repair on Multiobjective 0/1 Knapsack Problems. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 370-385	0.9	19
119	Effects of Removing Overlapping Solutions on the Performance of the NSGA-II Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 341-354	0.9	12
118	Comparison of evolutionary multiobjective optimization with reference solution-based single-objective approach <b>2005</b> ,		7
117	Weighted fuzzy classification with integrated learning method for medical diagnosis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2005</b> , 2005, 5623-6		
116	Some Issues on the Implementation of Local Search in Evolutionary Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 1246-1258	0.9	25
115	A Study on Weighting Training Patterns for Fuzzy Rule-Based Classification Systems. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 60-69	0.9	
114	A Fuzzy Reinforcement Learning for a Ball Interception Problem. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 559-567	0.9	4
113	Mating Scheme for Controlling the Diversity-Convergence Balance for Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 1259-1271	0.9	28
112	Evolutionary Multiobjective Knowledge Extraction for High-Dimensional Pattern Classification Problems. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 1123-1132	0.9	15

111	Comparison of Heuristic Criteria for Fuzzy Rule Selection in Classification Problems. <i>Fuzzy Optimization and Decision Making</i> , <b>2004</b> , 3, 119-139	5.1	38
110	Fuzzy rule selection by multi-objective genetic local search algorithms and rule evaluation measures in data mining. <i>Fuzzy Sets and Systems</i> , <b>2004</b> , 141, 59-88	3.7	296
109	?????????????. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , <b>2004</b> , 16, 146-148	0.1	
108	Heuristic Rule Weight Specification for Fuzzy Rule-Based Classification Systems. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , <b>2004</b> , 16, 441-451	0.1	
107	SINGLE-OBJECTIVE AND MULTI-OBJECTIVE EVOLUTIONARY FLOWSHOP SCHEDULING. <i>Advances in Natural Computation</i> , <b>2004</b> , 529-554		
106	Modification of Local Search Directions for Non-dominated Solutions in Cellular Multiobjective Genetic Algorithms for Pattern Classification Problems. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 593-607	9.9	7
105	A Fuzzy Ensemble Learning Method for Pattern Classification. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , <b>2003</b> , 15, 671-681	0.1	4
104	Learning fuzzy rules from iterative execution of games. <i>Fuzzy Sets and Systems</i> , <b>2003</b> , 135, 213-240	3.7	6
103	Evolutionary Multiobjective Optimization for Generating an Ensemble of Fuzzy Rule-Based Classifiers. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 1077-1088	0.9	17
102	Balance between genetic search and local search in memetic algorithms for multiobjective permutation flowshop scheduling. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2003</b> , 7, 204-223	15.6	563
101	Trade-off between the Number of Fuzzy Rules and Their Classification Performance. <i>Studies in Fuzziness and Soft Computing</i> , <b>2003</b> , 72-99	0.7	7
100	Interpretability Issues in Fuzzy Genetics-Based Machine Learning for Linguistic Modelling. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 209-228	0.9	16
99	An Empirical Study on the Effect of Mating Restriction on the Search Ability of EMO Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 433-447	0.9	21
98	Effects of Three-Objective Genetic Rule Selection on the Generalization Ability of Fuzzy Rule-Based Systems. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 608-622	0.9	12
97	A Similarity-Based Mating Scheme for Evolutionary Multiobjective Optimization. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 1065-1076	0.9	21
96	Generalization of Dominance Relation-Based Replacement Rules for Memetic EMO Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 1234-1245	0.9	8
95	FUZZIFICATION OF NEURAL NETWORKS FOR CLASSIFICATION PROBLEMS. <i>Series in Machine Perception and Artificial Intelligence</i> , <b>2002</b> , 1-31	0.3	
94	Fuzzy regression using asymmetric fuzzy coefficients and fuzzified neural networks. <i>Fuzzy Sets and Systems</i> , <b>2001</b> , 119, 273-290	3.7	89

93	Numerical analysis of the learning of fuzzified neural networks from fuzzy if-then rules. <i>Fuzzy Sets and Systems</i> , <b>2001</b> , 120, 281-307	3.7	47
92	Three-objective genetics-based machine learning for linguistic rule extraction. <i>Information Sciences</i> , <b>2001</b> , 136, 109-133	7.7	213
91	Genetic-Algorithm-Based Instance and Feature Selection <b>2001</b> , 95-112		12
90	Specification of Genetic Search Directions in Cellular Multi-objective Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 82-95	0.9	101
89	Effect of rule weights in fuzzy rule-based classification systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2001</b> , 9, 506-515	8.3	306
88	Evolution of unplanned coordination in a market selection game. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2001</b> , 5, 524-534	15.6	7
87	Multiobjective Optimization in Linguistic Rule Extraction from Numerical Data. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 588-602	0.9	8
86	Linguistic Modeling of Multi-Input Systems Using Implicit Hierarchies of Fuzzy If-Then Rules with Different Specificity Levels. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>2000</b> , 12, 114-126		
85	Neural networks for soft decision making. <i>Fuzzy Sets and Systems</i> , <b>2000</b> , 115, 121-140	3.7	16
84	Fuzzy If-Then Rules for Pattern Classification <b>2000</b> , 267-295		5
83	Techniques and Applications of Neural Networks for Fuzzy Rule Approximation <b>1999</b> , 1491-1519		
82	Techniques and Applications of Genetic Algorithm-Based Methods for Designing Compact Fuzzy Classification Systems <b>1999</b> , 1081-1109		2
81	Voting in fuzzy rule-based systems for pattern classification problems. <i>Fuzzy Sets and Systems</i> , <b>1999</b> , 103, 223-238	3.7	177
80	Performance evaluation of fuzzy classifier systems for multidimensional pattern classification problems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>1999</b> , 29, 601-18		320
79	Improving the performance of fuzzy classifier systems for pattern classification problems with continuous attributes. <i>IEEE Transactions on Industrial Electronics</i> , <b>1999</b> , 46, 1057-1068	8.9	84
78	Formulation of Multi-Objective Fuzzy Scheduling Problems with Job Importance Grades. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1999</b> , 11, 512-520		
77	Decreasing Excess Fuzziness Included in Fuzzy Output Vectors from Neural Networks. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1999</b> , 11, 438-452		
76	Learning from Linguistic Rules and Rule Extraction for Function Approximation by Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 317-324	0.9	0

75	Evolution of Reference Sets in Nearest Neighbor Classification. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 82-89	0.9	10
74	Multi-objective scheduling with fuzzy due-date. <i>Computers and Industrial Engineering</i> , <b>1998</b> , 35, 439-442	6.4	17
73	Performance evaluation of fuzzy rule-based classification systems obtained by multi-objective genetic algorithms. <i>Computers and Industrial Engineering</i> , <b>1998</b> , 35, 575-578	6.4	15
72	A multi-objective genetic local search algorithm and its application to flowshop scheduling. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>1998</b> , 28, 392-403		652
71	Fuzzy Classifier Systems. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1998</b> , 10, 613-625		1
70	Fuzzy neural networks techniques and their applications. <i>Neural Network Systems Techniques and Applications</i> , <b>1998</b> , 1-56		1
69	Voting Schemes in Fuzzy Classification Systems. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1997</b> , 9, 251-260		
68	Generating Fuzzy Classification Rules from Trained Neural Networks. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1997</b> , 9, 512-524		8
67	Formulation of Multi-Objective Scheduling Problems Using Fuzzy Due-Date. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1997</b> , 9, 995-1004		1
66	Genetic-Algorithm-Based Approaches to Classification Problems <b>1997</b> , 127-153		1
65	Single-objective and two-objective genetic algorithms for selecting linguistic rules for pattern classification problems. <i>Fuzzy Sets and Systems</i> , <b>1997</b> , 89, 135-150	3.7	290
64	Learning of fuzzy classification rules by a genetic algorithm. <i>Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi)</i> , <b>1997</b> , 80, 37-46		3
63	Comparison of the Michigan and Pittsburgh approaches to the design of fuzzy classification systems. <i>Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi)</i> , <b>1997</b> , 80, 10-19		11
62	A simple but powerful heuristic method for generating fuzzy rules from numerical data. <i>Fuzzy Sets and Systems</i> , <b>1997</b> , 86, 251-270	3.7	238
61	Adaptive fuzzy rule-based classification systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1996</b> , 4, 238-250	8.3	169
60	Multi-objective genetic algorithm and its applications to flowshop scheduling. <i>Computers and Industrial Engineering</i> , <b>1996</b> , 30, 957-968	6.4	327
59	Genetic algorithms for flowshop scheduling problems. <i>Computers and Industrial Engineering</i> , <b>1996</b> , 30, 1061-1071	6.4	261
58	A fuzzy classifier system that generates linguistic rules for pattern classification problems. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 35-54	0.9	3

57	Development of Fuzzy Neural Networks. <i>International Series in Intelligent Technologies</i> , <b>1996</b> , 185-202		7
56	A learning algorithm of fuzzy neural networks with triangular fuzzy weights. <i>Fuzzy Sets and Systems</i> , <b>1995</b> , 71, 277-293	3.7	134
55	Construction of Fuzzy Classification Systems Using Genetic Algorithms. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1995</b> , 7, 1022-1040		10
54	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1995</b> , 3, 260-270	8.3	504
53	Modified simulated annealing algorithms for the flow shop sequencing problem. <i>European Journal of Operational Research</i> , <b>1995</b> , 81, 388-398	5.6	132
52	Fuzzy If-Then Rules with Certainty Factors using Multilayer Model of GMDH. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1995</b> , 7, 131-141		
51	Selection of Linguistic Classification Rules Using Two-objective Genetic Algorithms. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1995</b> , 7, 1041-1049		1
50	Exponential possibility regression analysis. <i>Fuzzy Sets and Systems</i> , <b>1995</b> , 69, 305-318	3.7	79
49	Learning by fuzzified neural networks. <i>International Journal of Approximate Reasoning</i> , <b>1995</b> , 13, 327-358	3.6	59
48	Interpolation of fuzzy if-then rules by neural networks. <i>International Journal of Approximate Reasoning</i> , <b>1994</b> , 10, 3-27	3.6	48
47	Construction of fuzzy classification systems with rectangular fuzzy rules using genetic algorithms. <i>Fuzzy Sets and Systems</i> , <b>1994</b> , 65, 237-253	3.7	136
46	Genetic algorithms and neighborhood search algorithms for fuzzy flowshop scheduling problems. <i>Fuzzy Sets and Systems</i> , <b>1994</b> , 67, 81-100	3.7	100
45	Local search algorithms for flow shop scheduling with fuzzy due-dates. <i>International Journal of Production Economics</i> , <b>1994</b> , 33, 53-66	9.3	66
44	Empirical study on learning in fuzzy systems by rice taste analysis. <i>Fuzzy Sets and Systems</i> , <b>1994</b> , 64, 129-144	3.4	54
43	Selection of fuzzy if-then rules by a genetic method. <i>Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi)</i> , <b>1994</b> , 77, 94-104		2
42	Exponential Possibility Discriminant Analysis. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1994</b> , 6, 1147-1160		
41	Selecting Fuzzy if-then Rules with Forgetting in Fuzzy Classification Systems. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1994</b> , 6, 585-602		7
40	Learning of Neural Networks from Incomplete Information with Missing Values and Its Application to Medical Diagnosis. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>1994</b> , 30, 1100-1108 <sup>0.1</sup>		



39	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>1993</b> , 1, 85-97	8.3	194
38	Pattern Classification by Fuzzy Rules. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1993</b> , 5, 74-84		4
37	Fuzzy Inference of Expert System Based on Rough Sets and Its Application to Classification Problems. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1993</b> , 5, 358-366		
36	Simulated Annealing for Fuzzy Flow Shop Scheduling. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1993</b> , 5, 600-615		1
35	Rice Taste Analysis by Trainable Fuzzy If-Then Rules. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1993</b> , 5, 1450-1463		
34	Neural Networks with Fuzzy Inputs and Fuzzy Outputs. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1993</b> , 5, 218-232		
33	An architecture of neural networks with interval weights and its application to fuzzy regression analysis. <i>Fuzzy Sets and Systems</i> , <b>1993</b> , 57, 27-39	3.7	90
32	Identification method of possibility distributions and its application to discriminant analysis. <i>Fuzzy Sets and Systems</i> , <b>1993</b> , 58, 41-50	3.7	5
31	Efficient fuzzy partition of pattern space for classification problems. <i>Fuzzy Sets and Systems</i> , <b>1993</b> , 59, 295-304	3.7	79
30	Evidence theory of exponential possibility distributions. <i>International Journal of Approximate Reasoning</i> , <b>1993</b> , 8, 123-140	3.6	26
29	FUZZY EXPERT SYSTEM BASED ON ROUGH SETS AND ITS APPLICATION TO MEDICAL DIAGNOSIS. <i>International Journal of General Systems</i> , <b>1992</b> , 21, 83-97	2.1	6
28	Fuzzy Regression Analysis. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1992</b> , 4, 52-60		9
27	Learning of Neural Networks from Fuzzy Input and Fuzzy Output Data. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1992</b> , 4, 892-905		3
26	Distributed representation of fuzzy rules and its application to pattern classification. <i>Fuzzy Sets and Systems</i> , <b>1992</b> , 52, 21-32	3.7	364
25	Fuzzy regression analysis using neural networks. <i>Fuzzy Sets and Systems</i> , <b>1992</b> , 50, 257-265	3.7	101
24	Possibility and necessity pattern classification using neural networks. <i>Fuzzy Sets and Systems</i> , <b>1992</b> , 48, 331-340	3.7	16
23	Fuzzy Regression Analysis Using Neural Networks and Its Application. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>1992</b> , 28, 116-124	0.1	2
22	Identification of possibilistic linear systems by quadratic membership functions of fuzzy parameters. <i>Fuzzy Sets and Systems</i> , <b>1991</b> , 41, 145-160	3.7	123

21	Identification of fuzzy parameters by interval regression models. <i>Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi)</i> , <b>1990</b> , 73, 19-27		4
20	Multiobjective programming in optimization of the interval objective function. <i>European Journal of Operational Research</i> , <b>1990</b> , 48, 219-225	5.6	499
19	DISCRIMINANT ANALYSIS OF MULTI-DIMENSIONAL INTERVAL DATA AND ITS APPLICATION TO CHEMICAL SENSING. <i>International Journal of General Systems</i> , <b>1990</b> , 16, 311-329	2.1	15
18	Identification of Possibilistic Linear Systems by Quadratic Membership Functions of Fuzzy Parameters. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>1990</b> , 26, 93-100	0.1	1
17	Interval 0-1 Programming Problem and Product-Mix Analysis. <i>Journal of the Operations Research Society of Japan</i> , <b>1989</b> , 32, 352-370	0.3	1
16	Discriminant Analysis of Fuzzy Data and Its Application to Gas Sensor System. <i>Journal of Japan Society for Fuzzy Theory and Systems</i> , <b>1989</b> , 1, 117-131		2
15	Discriminant Analysis of Multi-Dimensional Interval Data and Its Application to Smell Sensing. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>1989</b> , 25, 630-637	0.1	
14	Interval Data Analysis by Revised Interval Regression Model. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>1989</b> , 25, 1218-1224	0.1	
13	Effect of data weighting methods on the performance of fuzzy classification systems		2
12	An evolutionary approach for strategy learning in robocup soccer		6
11	Development of a fuzzy position controller for an autonomously trading agent		1
10	Heuristic extraction of fuzzy classification rules using data mining techniques: an empirical study on benchmark data sets		3
9	Effects of repair procedures on the performance of EMO algorithms for multiobjective 0/1 knapsack problems		8
8	Selection of initial solutions for local search in multiobjective genetic local search		7
7	Effect of local search on the performance of cellular multiobjective genetic algorithms for designing fuzzy rule-based classification systems		2
6	Fuzzy data mining: effect of fuzzy discretization		50
5	Designing compact fuzzy rule-based systems with default hierarchies for linguistic approximation		2
4	A fuzzy reasoning method for handling fuzzy rules with different specificity levels		3

3	Evolution of neighborly relations in a spatial IPD game with cooperative players and hostile players		1
2	The dilemma between eliminating dominance-resistant solutions and preserving boundary solutions of extremely convex Pareto fronts. <i>Complex &amp; Intelligent Systems</i> ,1	7.1	1
1	Foundations of Imbalanced Learning13-41		23