Evaluating the epsilon-domination based multi-objective evolutionary algorithm for a quick computation of Pareto-optimal solutions

#	Paper	IF	Citations
568	Multi-Objective Vehicle Layout Optimization. **2006**,		
567	Reference point based multi-objective optimization using evolutionary algorithms. **2006**,		177
566	A Comparative Study of Progressive Preference Articulation Techniques for Multiobjective Optimisation. **2007**, 908-921		22
565	Dynamic resizing for grid-based archiving in evolutionary multi objective optimization. **2007**,		9
564	How well do multi-objective evolutionary algorithms scale to large problems. **2007**,		37
563	Handling uncertainty in evolutionary multiobjective optimization: SPGA. **2007**,		14
562	A Novel Epsilon-Dominance Multi-objective Evolutionary Algorithms for Solving DRS Multi-objective Optimization Problems. **2007**,		2
561	FastPGA: A Dynamic Population Sizing Approach for Solving Expensive Multiobjective Optimization Problems. **2007**, 141-155		38
560	Pareto-adaptive epsilon-dominance. *Evolutionary Computation*, **2007**, 15, 493-517	4.3	134
559	Multi-Objective Optimization of Heterogeneous Non-Uniform Flywheel. **2007**,		2
558	Evolutionary Algorithms for Solving Multi-Objective Problems. **2007**,		104
557	Artificial evolution of the morphology and kinematics in a flapping-wing mini-UAV. **2007**, 2, 65-82		37
556	Parallelization strategies for rapid and robust evolutionary multiobjective optimization in water resources applications. **2007**, 30, 335-353		78
555	Omni-optimizer: A generic evolutionary algorithm for single and multi-objective optimization. **2008**, 185, 1062-1087		200
554	A fast Pareto genetic algorithm approach for solving expensive multiobjective optimization problems. **2008**, 14, 203-241		52
553	A robust evolutionary framework for multi-objective optimization. **2008**,		17
552	Inclusion of Preferences in the Design of Evolutionary Optimization Algorithms: An Empirical Study. **2008**,		2

551   The self-adaption strategy for parameter in MOEA. **2008**,

550   AMGA. **2008**,   37

549   Computing finite size representations of the set of approximate solutions of an MOP with stochastic search algorithms. **2008**,   9

548   Replacement Strategies in Steady-State Multi-objective Evolutionary Algorithm: A Comparative Case Study. **2008**,   1

547   A clustering multi-objective evolutionary algorithm based on orthogonal and uniform design. **2009**,   20

546   Lift maximization with uncertainties for the optimization of high lift devices using Multi-Criterion Evolutionary Algorithms. **2009**,   5

545   Theory of the hypervolume indicator. **2009**,   193

544   A novel algorithm for non-dominated hypervolume-based multiobjective optimization. **2009**,   6

543   Using behavioral exploration objectives to solve deceptive problems in neuro-evolution. **2009**,   37

542   . **2009**,   3

541   A two-leveled multi-objective symbiotic evolutionary algorithm for the hub and spoke location problem. **2009**, 43, 391-411   5

540   Multi-objective highway alignment optimization using a genetic algorithm. **2009**, 43, 481-504   26

539   An improved multiobjective differential evolution based on Pareto-adaptive -dominance and orthogonal design. **2009**, 198, 576-601   45

538   Applied Pareto multi-objective optimization by stochastic solvers. **2009**, 22, 455-465   34

537   Evolutionary multiobjective optimization in noisy problem environments. **2009**, 15, 559-595   29

536   Evolutionary multi-objective optimization: some current research trends and topics that remain to be explored. **2009**, 3, 18-30   90

535   An efficient multiobjective differential evolution algorithm for engineering design. **2009**, 38, 137-157   62

534   Optimization of sonic crystal attenuation properties by ev-MOGA multiobjective evolutionary algorithm. **2009**, 39, 203-215   23

533	Evolutionary Multiobjective Optimization in Materials Science and Engineering. **2009**, 24, 119-129		90
532	A unified model for evolutionary multi-objective optimization and its implementation in a general purpose software framework. **2009**,		7
531	Nature-Inspired Algorithms for Optimisation. **2009**,		36
530	A fast adaptive MOEA and its application to dynamic reactive power optimization. **2010**,		1
529	A ⊞domination Based Multi-objective Particle Swarm Optimization. **2010**,		
528	Multi-strategy ensemble evolutionary algorithm for dynamic multi-objective optimization. **2010**, 2, 3-24		57
527	A novel particle swarm optimizer without velocity: Simplex-PSO. **2010**, 17, 349-356		14
526	. *IEEE Transactions on Evolutionary Computation*, **2010**, 14, 58-79	15.6	113
525	A Territory Defining Multiobjective Evolutionary Algorithms and Preference Incorporation. *IEEE Transactions on Evolutionary Computation*, **2010**, 14, 636-664	15.6	126
524	Incorporating the Notion of Relative Importance of Objectives in Evolutionary Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2010**, 14, 530-546	15.6	21
523	An Interactive Territory Defining Evolutionary Algorithm: iTDEA. *IEEE Transactions on Evolutionary Computation*, **2010**, 14, 702-722	15.6	46
522	Lift maximization with uncertainties for the optimization of high-lift devices. **2010**, 64, 119-135		7
521	. **2010**,		5
520	. **2010**,		29
519	Advances in Computation and Intelligence. *Lecture Notes in Computer Science*, **2010**,	0.9	4
518	Fast Computing Model for Multi-objective Reactive Power Optimization. **2010**,		0
517	A grid-based fitness strategy for evolutionary many-objective optimization. **2010**,		18
516	Computing gap free Pareto front approximations with stochastic search algorithms. *Evolutionary Computation*, **2010**, 18, 65-96	4.3	54

497	A software framework based on a conceptual unified model for evolutionary multiobjective optimization: ParadisEO-MOEO. **2011**, 209, 104-112	45
496	Multiobjective evolutionary algorithms: A survey of the state of the art. *Swarm and Evolutionary Computation*, **2011**, 1, 32-49	9.8 1331
495	Spanning the pareto front of a counter radar detection problem. **2011**,	1
494	The logarithmic hypervolume indicator. **2011**,	7
493	MOEA/D-AMS: Improving MOEA/D by an adaptive mating selection mechanism. **2011**,	25
492	AMGA2: improving the performance of the archive-based micro-genetic algorithm for multi-objective optimization. **2011**, 43, 377-401	56
491	Pareto Cone ε-Dominance: Improving Convergence and Diversity in Multiobjective Evolutionary Algorithms. *Lecture Notes in Computer Science*, **2011**, 76-90	0.9 24
490	Multi Objective Optimization of Lifecycle Cost, Unmet Load, and Renewable Energy Capacity for an Expansion of Existing Standalone Internal Combustion Generator (ICG) Systems. **2011**,	2
489	Computing the Set of Epsilon-Efficient Solutions in Multiobjective Space Mission Design. **2011**, 8, 53-70	42
488	An adaptive evolutionary multi-objective approach based on simulated annealing. *Evolutionary Computation*, **2011**, 19, 561-95	4.3 137
487	Integrated circuit optimization by means of evolutionary multi-objective optimization. **2011**,	1
486	A new mechanism to maintain diversity in multi-objective metaheuristics. **2012**, 61, 823-854	4
485	Auto-Adaptive Search Capabilities of the New Borg MOEA: A Detailed Comparison on Alternative Product Family Design Problem Formulations. **2012**,	
484	Using the Averaged Hausdorff Distance as a Performance Measure in Evolutionary Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2012**, 16, 504-522	15.6 360
483	Stochastic Pareto local search: Pareto neighbourhood exploration and perturbation strategies. **2012**, 18, 727-766	38
482	Integration of multi-technology on oil spill emergency preparedness. **2012**, 64, 2117-28	10
481	A new archive based steady state genetic algorithm. **2012**,	7
480	Enhancing diversity for NSGA-II in evolutionary multi-objective optimization. **2012**,	1

479	A coordinated voltage/reactive power control method for multi-TSO power systems. **2012**, 43, 20-28		15
478	MOMCMC: An efficient Monte Carlo method for multi-objective sampling over real parameter space. **2012**, 64, 3542-3556		11
477	A multi-objective artificial bee colony algorithm. *Swarm and Evolutionary Computation*, **2012**, 2, 39-52	9.8	215
476	An Entropy-Based Multiobjective Evolutionary Algorithm with an Enhanced Elite Mechanism. **2012**, 2012, 1-11		7
475	Sensitivity of internal combustion generator capacity in standalone hybrid energy systems. **2012**, 39, 403-411		32
474	Adaptation methodology of CBR for environmental emergency preparedness system based on an Improved Genetic Algorithm. *Expert Systems With Applications*, **2012**, 39, 7029-7040	7.8	45
473	Hypervolume-based multiobjective optimization: Theoretical foundations and practical implications. **2012**, 425, 75-103		115
472	A Grid-Based Evolutionary Algorithm for Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2013**, 17, 721-736	15.6	608
471	Many objective visual analytics: rethinking the design of complex engineered systems. **2013**, 48, 201-219		70
470	A Comparative Study on Evolutionary Algorithms for Many-Objective Optimization. *Lecture Notes in Computer Science*, **2013**, 261-275	0.9	37
469	Designing standalone hybrid energy systems minimizing initial investment, life cycle cost and pollutant emission. **2013**, 54, 220-230		111
468	. *IEEE Transactions on Evolutionary Computation*, **2013**, 17, 474-494	15.6	383
467	Multi-Objective Heuristic Computation Applied to Architectural and Structural Design: A Review. **2013**, 11, 363-392		2
466	Techno-economical optimization of a solid waste management system using evolutionary algorithms. **2013**,		1
465	Ranking many-objective Evolutionary Algorithms using performance metrics ensemble. **2013**,		7
464	Single Objective Guided Multiobjective Optimization Algorithm. **2013**,		1
463	GA strategies for optimal planning of daily energy consumptions and user satisfaction in buildings. **2013**,		7
462	. *IEEE Transactions on Evolutionary Computation*, **2013**, 17, 77-99	15.6	272

461	Two multi-objective genetic algorithms for the QoS based routing and wavelength allocation problem in WDM network. **2013**, 124, 2734-2739		2
460	Incorporating ?-dominance in AMOSA: Application to multiobjective 0/1 knapsack problem and clustering gene expression data. **2013**, 13, 2405-2411		9
459	Approximation quality of the hypervolume indicator. **2013**, 195, 265-290		48
458	Multi-Objective Optimal Energy Consumption Scheduling in Smart Grids. **2013**, 4, 341-348		108
457	A hybrid tool to combine multi-objective optimization and multi-criterion decision making in designing standalone hybrid energy systems. **2013**, 107, 412-425		141
456	Difficulty in Evolutionary Multiobjective Optimization of Discrete Objective Functions with Different Granularities. *Lecture Notes in Computer Science*, **2013**, 230-245	0.9	8
455	A self-adaptive multi-objective genetic algorithm for the QoS based routing and wavelength allocation problem in WDM network. **2013**, 124, 4571-4575		3
454	Evolutionary multiobjective optimization in water resources: The past, present, and future. **2013**, 51, 438-456		324
453	Optimal design of a grid connected hybrid electrical energy system using evolutionary computation. **2013**,		6
452	Multiobjective Optimization of Delay and Stops in Traffic Signal Networks. **2013**, 385-416		3
451	Artificial bee colony algorithm: a survey. **2013**, 5, 123		81
450	Multiobjective Optimization in Multifunction Multicapability System Development Planning. **2013**, 43, 785-800		12
449	Multiobjective memetic estimation of distribution algorithm based on an incremental tournament local searcher. **2014**, 2014, 836272		
448	KRIGING-PARETO FRONT APPROACH FOR THE MULTI-OBJECTIVE EXPLORATION OF METAMATERIAL TOPOLOGIES. **2014**, 39, 141-150		2
447	Many-Objective Evolutionary Algorithms and Hybrid Performance Metrics. **2014**, 335-364		
446	Multi-Objective Optimization of Node-Based Spacecraft Radiator Design. **2014**, 51, 1695-1708		1
445	ETEA: a Euclidean minimum spanning tree-based evolutionary algorithm for multi-objective optimization. *Evolutionary Computation*, **2014**, 22, 189-230	4.3	35
444	Is MO-CMA-ES superior to NSGA-II for the evolution of multi-objective neuro-controllers?. **2014**,		4

443	Integrated Multiobjective Optimal Design for Active Control System Based on Genetic Algorithm. **2014**, 2014, 1-9		3
442	Artificial Neural Network based surrogate modelling for multi- objective optimisation of geological CO_2 storage operations. **2014**, 63, 3483-3491		5
441	A many-objective evolutionary algorithm based on directional diversity and favorable convergence. **2014**,		5
440	Comparison of many-objective evolutionary algorithms using performance metrics ensemble. **2014**, 76, 1-8		7
439	A test problem for visual investigation of high-dimensional multi-objective search. **2014**,		15
438	. **2014**,		62
437	Multi-objective evolutionary algorithm based optimization of neural network ensemble classifier. **2014**,		2
436	Multiobjective Transmission Network Planning considering the Uncertainty and Correlation of Wind Power. **2014**, 2014, 1-12		1
435	An improved Two Archive Algorithm for Many-Objective optimization. **2014**,		17
434	QAR-CIP-NSGA-II: A new multi-objective evolutionary algorithm to mine quantitative association rules. *Information Sciences*, **2014**, 258, 1-28	7.7	49
433	Effect of hybridizing Biogeography-Based Optimization (BBO) technique with Artificial Immune Algorithm (AIA) and Ant Colony Optimization (ACO). **2014**, 21, 542-553		49
432	Optimization of a plate-fin heat exchanger design through an improved multi-objective teaching-learning based optimization (MO-ITLBO) algorithm. **2014**, 92, 2371-2382		68
431	Framework for Creating Digital Representations of Structural Components Using Computational Intelligence Techniques. **2014**, 52, 855-866		2
430	Multiobjective Departure Runway Scheduling Using Dynamic Programming. **2014**, 15, 399-413		17
429	An improved version of the multiple trajectory search for real value multi-objective optimization problems. **2014**, 46, 1430-1445		31
428	Beyond optimality: Multistakeholder robustness tradeoffs for regional water portfolio planning under deep uncertainty. **2014**, 50, 7692-7713		122
427	Multi-objective unsupervised feature selection algorithm utilizing redundancy measure and negative epsilon-dominance for fault diagnosis. **2014**, 146, 113-124		23
426	An improved SPEA2 Multi objective algorithm with non dominated elitism and Generational Crossover. **2014**,		6

425	Shift-Based Density Estimation for Pareto-Based Algorithms in Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2014**, 18, 348-365	15.6	476
424	Hybrid Multiobjective Differential Evolution Incorporating Preference Based Local Search. **2014**, 7, 733-747		2
423	Machine learning based decision support for many-objective optimization problems. **2014**, 146, 30-47		15
422	Concept-based evolutionary exploration of design spaces by a resolution-relaxation-Pareto approach. **2015**,		3
421	A multi criterion analysis for renewable energy integration process of a standalone hybrid energy system with internal combustion generator. **2015**, 7, 043128		15
420	Many-objective robust decision making for managing an ecosystem with a deeply uncertain threshold response. **2015**, 20,		51
419	. **2015**,		4
418	A modified multi-objective sorting particle swarm optimization and its application to the design of the nose shape of a high-speed train. **2015**, 9, 513-527		19
417	Evolutionary multiobjective optimization with hybrid selection principles. **2015**,		1
416	A liquid rocket engine conceptual design tradeoff methodology using an a priori articulation of preference information with epistemic uncertaintie. **2015**,		
415	Confronting tipping points: Can multi-objective evolutionary algorithms discover pollution control tradeoffs given environmental thresholds?. **2015**, 73, 27-43		25
414	Parallel Cell Mapping Method for Global Analysis of High-Dimensional Nonlinear Dynamical Systems1. **2015**, 82,		39
413	Bio-inspired algorithms for cloud computing: a review. **2015**, 6, 181		9
412	Node-based spacecraft radiator design optimization. **2015**, 55, 1445-1469		6
411	A decision making framework with MODFLOW-FMP2 via optimization: Determining trade-offs in crop selection. **2015**, 69, 280-291		15
410	A Local Search-Based Multiobjective Optimization Algorithm for Multiobjective Vehicle Routing Problem With Time Windows. **2015**, 9, 1100-1113		53
409	ASMiGA: an archive-based steady-state micro genetic algorithm. **2015**, 45, 40-52		65
408	Priority based . *Information Sciences*, **2015**, 305, 97-109	7.7	7

389	Global optimization of GNSS station reference networks. **2015**, 19, 569-577		4
388	The iPICEA-g: a new hybrid evolutionary multi-criteria decision making approach using the brushing technique. **2015**, 243, 442-453		28
387	. *IEEE Transactions on Evolutionary Computation*, **2015**, 19, 524-541	15.6	349
386	A multi-objective improved teachingⱢearning based optimization algorithm (MO-ITLBO). *Information Sciences*, **2016**, 357, 182-200	7.7	67
385	A novel grid-based differential evolution (DE) algorithm for many-objective optimization. **2016**,		4
384	The paradox of multimodal optimization: Concepts vs. species in single and multi-objective problems. **2016**,		1
383	Improved NSGA-III using neighborhood information and scalarization. **2016**,		7
382	An evolutionary many-objective optimisation algorithm with adaptive region decomposition. **2016**,		16
381	An objective reduction algorithm based on hyperplane approximation for many-objective optimization problems. **2016**,		2
380	Selection of Geologic Models Based on Pareto-Optimality Using Surface Deformation and CO2 Injection Data for the in Salah Gas Sequestration Project. **2016**,		1
379	A multiobjective evolutionary algorithm based on decomposition for unit commitment problem with significant wind penetration. **2016**,		0
378	Fast implementation of steady-state NSGA-II. **2016**,		5
377	Estimation of subsurface geomodels by multi-objective stochastic optimization. **2016**, 129, 187-199		5
376	A note on multi-objective improved teachingⱢearning based optimization algorithm (MO-ITLBO). *Information Sciences*, **2016**, 373, 337-350	7.7	15
375	Design Optimization of Electrical Hubs Using Hybrid Evolutionary Algorithm. **2016**,		1
374	Application of a multi-objective evolutionary algorithm to the spacecraft stationkeeping problem. **2016**, 127, 76-86		5
373	. *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 145-160	15.6	97
372	Indicator-based set evolution particle swarm optimization for many-objective problems. **2016**, 20, 2219-2232		13

| 371 | Artificial Life and Computational Intelligence. *Lecture Notes in Computer Science*, **2016**, | 0.9 | 1 |

| 370 | Multi-objective optimization of a Stirling heat engine using TS-TLBO (tutorial training and self learning inspired teaching-learning based optimization) algorithm. **2016**, 95, 528-541 | | 35 |

| 369 | Optimizing time-cost trade-offs in product development projects with a multi-objective evolutionary algorithm. **2016**, 27, 347-366 | | 14 |

| 368 | Optimization of Location Allocation of Web Services Using a Modified Non-dominated Sorting Genetic Algorithm. *Lecture Notes in Computer Science*, **2016**, 246-257 | 0.9 | 7 |

| 367 | Learning Mitigations for Pilot Issues When Landing Aircraft (via Multiobjective Optimization and Multiagent Simulations). **2016**, 46, 221-230 | | 5 |

| 366 | Visualization and Performance Metric in Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 386-402 | 15.6 | 86 |

| 365 | Pareto or Non-Pareto: Bi-Criterion Evolution in Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 645-665 | 15.6 | 157 |

| 364 | A novel artificial bee colony algorithm for the QoS based multicast route optimization problem. **2016**, 127, 2771-2779 | | 6 |

| 363 | Dynamic Software Project Scheduling through a Proactive-Rescheduling Method. **2016**, 42, 658-686 | | 27 |

| 362 | Solving a multi-objective dynamic stochastic districting and routing problem with a co-evolutionary algorithm. **2016**, 67, 12-24 | | 38 |

| 361 | Multi-objective optimization of a rotary regenerator using tutorial training and self-learning inspired teaching-learning based optimization algorithm (TS-TLBO). **2016**, 93, 456-467 | | 27 |

| 360 | . *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 485-498 | 15.6 | 23 |

| 359 | Decomposition-based multi-objective evolutionary algorithm for vehicle routing problem with stochastic demands. **2016**, 20, 3443-3453 | | 22 |

| 358 | Multiobjective Vehicle Routing Problems With Simultaneous Delivery and Pickup and Time Windows: Formulation, Instances, and Algorithms. **2016**, 46, 582-94 | | 107 |

| 357 | An enhanced preference-inspired co-evolutionary algorithm using orthogonal design and an 丨dominance archiving strategy. **2016**, 48, 415-436 | | 2 |

| 356 | A New Dominance Relation-Based Evolutionary Algorithm for Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 16-37 | 15.6 | 395 |

| 355 | Ensemble of many-objective evolutionary algorithms for many-objective problems. **2017**, 21, 2407-2419 | | 16 |

| 354 | Detecting structural breaks in time series via genetic algorithms. **2017**, 21, 4707-4720 | | 14 |

353	Many-Objective Particle Swarm Optimization Using Two-Stage Strategy and Parallel Cell Coordinate System. **2017**, 47, 1446-1459		49
352	An improved NSGA-III algorithm based on objective space decomposition for many-objective optimization. **2017**, 21, 4269-4296		25
351	A multi-tier adaptive grid algorithm for the evolutionary multi-objective optimisation of complex problems. **2017**, 21, 4963-4979		4
350	On decomposition methods in interactive user-preference based optimization. **2017**, 52, 952-973		21
349	Electrical hubs: An effective way to integrate non-dispatchable renewable energy sources with minimum impact to the grid. **2017**, 190, 232-248		82
348	Search space-based multi-objective optimization evolutionary algorithm. **2017**, 58, 126-143		32
347	A Many-Objective Evolutionary Algorithm Using A One-by-One Selection Strategy. **2017**, 47, 2689-2702		138
346	GALAXY: A new hybrid MOEA for the optimal design of Water Distribution Systems. **2017**, 53, 1997-2015		19
345	Many-objective thermodynamic optimization of Stirling heat engine. **2017**, 125, 629-642		26
344	Many-objective optimization of cross-flow plate-fin heat exchanger. **2017**, 118, 320-339		33
343	Membrane Algorithms. **2017**, 33-115		4
342	Many-objective optimization of shell and tube heat exchanger. *Thermal Science and Engineering Progress*, **2017**, 2, 87-101	3.6	35
341	Global Multi-objective Optimization by Means of Cell Mapping Techniques. **2017**, 25-56		5
340	Multi-Objective Evolutionary Algorithms: A Review of the State-of-the-Art and some of their Applications in Chemical Engineering. **2017**, 63-92		2
339	Real-life Applications with Membrane Computing. **2017**,		67
338	A new hypervolume approach for assessing environmental risks. **2017**, 193, 188-200		2
337	Incorporating channel network information in hydrologic response modelling: Development of a model and inter-model comparison. **2017**, 100, 168-182		8
336	Optimum design of distributed energy hubs using hybrid surrogate models (HSM). **2017**, 122, 187-192		2

317	An Energy Aware Unified Ant Colony System for Dynamic Virtual Machine Placement in Cloud Computing. *Energies*, **2017**, 10, 609	3.1	21
316	Evaluating and Improving Automatic Sleep Spindle Detection by Using Multi-Objective Evolutionary Algorithms. **2017**, 11, 261		4
315	An Improved Hybrid Algorithm Based on Biogeography/Complex and Metropolis for Many-Objective Optimization. **2017**, 2017, 1-14		4
314	Optimization of Guide Vane Closing Schemes of Pumped Storage Hydro Unit Using an Enhanced Multi-Objective Gravitational Search Algorithm. *Energies*, **2017**, 10, 911	3.1	26
313	Evolutionary Multiobjective Optimization-Based Multimodal Optimization: Fitness Landscape Approximation and Peak Detection. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 692-706	15.6	60
312	ND-Tree-Based Update: A Fast Algorithm for the Dynamic Nondominance Problem. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 778-791	15.6	22
311	Efficiency, thrust, and fuel consumption optimization of a subsonic/sonic turbojet engine. **2018**, 144, 992-1002		24
310	PADDS Algorithm Assessment for Biobjective Water Distribution System Benchmark Design Problems. **2018**, 144, 04017099		3
309	. **2018**, 6, 22920-22929		17
308	An efficient optimization and comparative analysis of ammonia and methanol heat pipe for satellite application. **2018**, 165, 382-395		37
307	A new hybrid memetic multi-objective optimization algorithm for multi-objective optimization. *Information Sciences*, **2018**, 448-449, 164-186	7.7	21
306	Model-based multi-objective decision making under deep uncertainty from a multi-method design lens. **2018**, 84, 232-250		9
305	Localized Weighted Sum Method for Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 3-18	15.6	169
304	Adjust weight vectors in MOEA/D for bi-objective optimization problems with discontinuous Pareto fronts. **2018**, 22, 3997-4012		18
303	Multiline Distance Minimization: A Visualized Many-Objective Test Problem Suite. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 61-78	15.6	37
302	Gender approaches to evolutionary multi-objective optimization using pre-selection of criteria. **2018**, 50, 120-144		2
301	A niche-elimination operation based NSGA-III algorithm for many-objective optimization. **2018**, 48, 118-141		27
300	Splitting for Multi-objective Optimization. **2018**, 20, 517-533		

| 281 | Measuring surplus capacity for multiobjective optimal design of foul sewer systems. **2018**, 15, 723-731 | 1 |

| 280 | Dataset on acute hyperglycemia in extensively burned patients and mice. **2018**, 21, 2316-2322 | 1 |

| 279 | A Many-Objective Evolutionary Algorithm with Fast Clustering and Reference Point Redistribution. **2018**, | |

| 278 | Multiobjective Evolutionary Optimization. **2018**, 1-15 | 1 |

| 277 | Multi-objective Optimization. **2018**, 177-204 | 2 |

| 276 | An Optimized Cascaded Stochastic Resonance for the Enhancement of Brain MRI. **2018**, 39, 334-342 | 11 |

| 275 | A Motif-Based Rescue Mission Planning Method for UAV Swarms Usingan Improved PICEA. **2018**, 6, 40778-40791 | 7 |

| 274 | Impacts of constraints and constraint handling strategies for multi-objective mechanical design problems. **2018**, | 1 |

| 273 | Multi-objective social spider optimisation algorithm. **2018**, 2018, 1521-1527 | 1 |

| 272 | [Copyright notice]. **2018**, | |

| 271 | SEEMS 2018 Conference Venue. **2018**, | |

| 270 | Smart Electronic Trolley for Shopping Mall. **2018**, | 1 |

| 269 | A reference direction and entropy based evolutionary algorithm for many-objective optimization. **2018**, 70, 108-130 | 13 |

| 268 | An analysis of control parameters of MOEA/D under two different optimization scenarios. **2018**, 70, 22-40 | 19 |

| 267 | A survey on the Software Project Scheduling Problem. **2018**, 202, 145-161 | 18 |

| 266 | Genetic Programming Theory and Practice XV. **2018**, | 1 |

| 265 | A Survey of Recent Trends in Multiobjective Optimal ControlBurrogate Models, Feedback Control and Objective Reduction. **2018**, 23, 30 | 31 |

| 264 | Lost in Optimisation of Water Distribution Systems? A Literature Review of System Design. **2018**, 10, 307 | 56 |

263	Effective processor load balancing using multi-objective parallel extremal optimization. **2018**,		4
262	Preference-based evolutionary algorithm for airport surface operations. **2018**, 91, 296-316		11
261	On Scalable Multiobjective Test Problems With Hardly Dominated Boundaries. *IEEE Transactions on Evolutionary Computation*, **2019**, 23, 217-231	15.6	37
260	A Grid Weighted Sum Pareto Local Search for Combinatorial Multi and Many-Objective Optimization. **2019**, 49, 3586-3598		33
259	A Probabilistic and Multi-Objective Analysis of Lexicase Selection and -Lexicase Selection. *Evolutionary Computation*, **2019**, 27, 377-402	4.3	17
258	A hierarchical structure for optimal resource allocation in geographically distributed clouds. **2019**, 90, 539-568		9
257	Multimodal Optimization Enhanced Cooperative Coevolution for Large-Scale Optimization. **2019**, 49, 3507-3520		17
256	A novel particle swarm optimizer for many-objective optimization. **2019**,		2
255	A novel aggregation-based dominance for Pareto-based evolutionary algorithms to configure software product lines. **2019**, 364, 32-48		4
254	A land-use spatial optimum allocation model coupling a multi-agent system with the shuffled frog leaping algorithm. **2019**, 77, 101360		17
253	Multilayer Cylindrical Magnetic Shield for SERF Atomic Co-Magnetometer Application. **2019**, 19, 2916-2923		10
252	Pressure point driven evolutionary algorithm for many-objective optimization. *Swarm and Evolutionary Computation*, **2019**, 51, 100599	9.8	3
251	Multi-objective optimization of CuO based organic Rankine cycle operated using R245ca. **2019**, 116, 00062		1
250	A New Selection Strategy for Decomposition-based Evolutionary Many-Objective Optimization. **2019**,		2
249	Impacts of extreme climate conditions due to climate change on the energy system design and operation. **2019**, 159, 358-363		5
248	Non-elitist evolutionary multi-objective optimizers revisited. **2019**,		2
247	A comparative performance evaluation of the reversed Brayton cycle operated heat pump based on thermo-ecological criteria through many and multi objective approaches. **2019**, 183, 252-265		23
246	Accelerating Large-Scale Multiobjective Optimization via Problem Reformulation. *IEEE Transactions on Evolutionary Computation*, **2019**, 23, 949-961	15.6	78

245	Multi-objective chicken swarm optimization: A novel algorithm for solving multi-objective optimization problems. **2019**, 129, 377-391		23
244	Approach to robust multi-objective optimization and probabilistic analysis: the ROPAR algorithm. **2019**, 21, 427-440		2
243	A hybrid many-objective cuckoo search algorithm. **2019**, 23, 10681-10697		24
242	Maintenance applications of multi-criteria optimization: A review. **2019**, 190, 106520		27
241	An Efficient Framework Using Normalized Dominance Operator for Multi-Objective Evolutionary Algorithms. **2019**, 10, 15-37		1
240	A decomposition-based coevolutionary multiobjective local search for combinatorial multiobjective optimization. *Swarm and Evolutionary Computation*, **2019**, 49, 178-193	9.8	16
239	Product form design model based on the robust posterior preference articulation approach. **2019**, 27, 126-143		2
238	Conditional payments for carbon sequestration as a local trading game - A case study from a Tanzanian village. **2019**, 240, 331-342		0
237	ESOEA: Ensemble of single objective evolutionary algorithms for many-objective optimization. *Swarm and Evolutionary Computation*, **2019**, 50, 100511	9.8	6
236	Quality Evaluation of Solution Sets in Multiobjective Optimisation. **2019**, 52, 1-38		114
235	An efficient optimization and comparative analysis of cascade refrigeration system using NH3/CO2 and C3H8/CO2 refrigerant pairs. **2019**, 102, 62-76		17
234	A Co-Evolutionary Scheme for Multi-Objective Evolutionary Algorithms Based on $epsilon$-Dominance. **2019**, 7, 18267-18283		6
233	Multiobjective memetic algorithm based on adaptive local search chains for vehicle routing problem with time windows. **2019**, 1		3
232	IBF 2019 Author Index. **2019**,		0
231	A Survey on Hamming Codes for Error Detection. **2019**,		1
230	Simulation Study of Intermittent Responses of Neuronal Populations to Axonal High-Frequency Stimulation. **2019**, 2019, 3001-3004		
229	A 3D Audio Coding technology Based on DRA. **2019**,		
228	Numerical Simulations of Vibro-acoustic Behaviors related to Drive Train Assemblies. **2019**,		1

209	Mechanics Design of a Zigzag Structured Substrate for Stretchable Solar Arrays. **2019**,	
208	Complete Visualisation, Network Modeling and Training, Web Based Tool, for the Yolo Deep Neural Network Model in the Darknet Framework. **2019**,	1
207	. **2019**,	0
206	A Unidimension Histogram Grid Algorithm for ISV Real Time Obstacle Avoidance. **2019**,	
205	Analysis of Low Frequency Grid Current Harmonics Caused by Load Power Pulsation in a 3-Phase PFC Rectifier. **2019**,	1
204	Model For Evaluating the Reliability of Cyber Component in Power Distribution Systems. **2019**,	
203	Research and Development of On-line Detection System for Oil Pollution Degree. **2019**,	
202	BarryWhaptics: Towards Countering Social Biases Using Real-Time Haptic Enhancement of Voice. **2019**,	
201	Applying Model Driven Engineering Techniques to the Development of Contiki-Based IoT Systems. **2019**,	12
200	A comparative study of the state-of-the-art algorithms on multi-objective problems using performance metrics. **2019**,	
199	Efficiency improvement of a wireless power transfer system using a receiver side voltage doubling rectifier. **2019**,	4
198	Epitaxial GaAsP/Si Tandem Solar Cells with Integrated Light Trapping. **2019**,	2
197	Multiplexed, Optical Reflectance Data in Chemical Detection. **2019**,	
196	Modeling of Drain Current and Analog Characteristics of Dual-Metal Quadruple Gate (DMQG) MOSFETs. **2019**,	
195	Brown Planthopper Damage Detection using Remote Sensing and Machine Learning. **2019**,	2
194	Adaptation of Classical Machine Learning Algorithms to Big Data Context: Problems and Challenges : Case Study: Hidden Markov Models Under Spark. **2019**,	1
193	Position Control of Arm Manipulator Within Fractional Order PID Utilizing Particle Swarm Optimization Algorithm. **2019**,	0
192	Human Body Influence On A Parallel Plate Capacitance. **2019**,	0

191	Energy Modeling Output of Wind System based on Wind Speed. **2019**,		0
190	Automated Lane Change Decision Making using Deep Reinforcement Learning in Dynamic and Uncertain Highway Environment. **2019**,		18
189	Multi-Exponential Relaxation Times Maps Reconstruction and Unsupervised Classification in Magnitude Magnetic Resonance Imaging. **2019**,		
188	Characterization of Screen-Printed Bioimpedance Electrodes on Nanocellulose Substrate. **2019**,		
187	Autonomous Separation Assurance in An High-Density En Route Sector: A Deep Multi-Agent Reinforcement Learning Approach. **2019**,		7
186	Potential to Use Microstrip Patch Instead of Dipole Antennas in 2.4GHz Wireless Sensor Networks. **2019**,		1
185	Segmentation and Text extraction from Document Images: Survey. **2019**,		
184	Evolutionary algorithms for many-objective cloud service composition: Performance assessments and comparisons. *Swarm and Evolutionary Computation*, **2019**, 51, 100605	9.8	13
183	A Multi-Objective Particle Swarm Optimization Algorithm Based on Enhanced Selection. **2019**, 7, 168091-168103		3
182	Ensemble mating selection in evolutionary many-objective search. **2019**, 76, 294-312		4
181	Homogenized adjacent points method: A novel Pareto optimizer for linearized multi-objective optimal energy flow of integrated electricity and gas system. **2019**, 233-234, 338-351		18
180	A Survey on Pareto-Based EAs to Solve Multi-objective Optimization Problems. *Advances in Intelligent Systems and Computing*, **2019**, 807-820	0.4	10
179	Coevolutionary Particle Swarm Optimization With Bottleneck Objective Learning Strategy for Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2019**, 23, 587-602	15.6	109
178	Adaptive Epsilon dominance in decomposition-based multiobjective evolutionary algorithm. *Swarm and Evolutionary Computation*, **2019**, 45, 52-67	9.8	16
177	A Pareto-based many-objective evolutionary algorithm using space partitioning selection and angle-based truncation. *Information Sciences*, **2019**, 478, 186-207	7.7	15
176	A multi-perspective framework of analysis of critical infrastructures with respect to supply service, controllability and topology. **2019**, 24, 1-13		8
175	Spectroscopic and thermal analysis of lead-free multipurpose radiation shielding glasses. **2019**, 45, 5332-5338		9
174	A scalarization-based dominance evolutionary algorithm for many-objective optimization. *Information Sciences*, **2019**, 474, 236-252	7.7	8

173	Application research of multi-objective Artificial Bee Colony optimization algorithm for parameters calibration of hydrological model. *Neural Computing and Applications*, **2019**, 31, 4715-4732	4.8	7
172	Hyperplane-Approximation-Based Method for Many-Objective Optimization Problems with Redundant Objectives. *Evolutionary Computation*, **2019**, 27, 313-344	4.3	5
171	A novel many-objective evolutionary algorithm based on transfer matrix with Kriging model. *Information Sciences*, **2020**, 509, 437-456	7.7	22
170	An angle dominance criterion for evolutionary many-objective optimization. *Information Sciences*, **2020**, 509, 376-399	7.7	28
169	. **2020**, 21, 934-946		7
168	Cooperative Evolutionary Framework With Focused Search for Many-Objective Optimization. **2020**, 4, 398-412		11
167	Non-dominated sorting modified teaching–learning-based optimization for multi-objective machining of polytetrafluoroethylene (PTFE). *Journal of Intelligent Manufacturing*, **2020**, 31, 911-935	6.7	29
166	Thermo-economic optimization of a nanofluid based organic Rankine cycle: A multi-objective study and analysis. *Thermal Science and Engineering Progress*, **2020**, 17, 100381	3.6	16
165	Evolutionary multiobjective optimization: open research areas and some challenges lying ahead. *Complex & Intelligent Systems*, **2020**, 6, 221-236	7.1	57
164	Cooperative coevolution with an improved resource allocation for large-scale multi-objective software project scheduling. **2020**, 88, 106059		12
163	Adaptive population structure learning in evolutionary multi-objective optimization. **2020**, 24, 10025-10042		2
162	A many-objective particle swarm optimizer based on indicator and direction vectors for many-objective optimization. *Information Sciences*, **2020**, 514, 166-202	7.7	15
161	Numerical Calibration Method for Vehicle Velocity Data from Electronic Registration Identification of Motor Vehicles Based on Mobile Edge Computing and Particle Swarm Optimization Neural Network. *Complexity*, **2020**, 2020, 1-13	1.6	2
160	Robust Design Optimization and Emerging Technologies for Electrical Machines: Challenges and Open Problems. *Applied Sciences (Switzerland)*, **2020**, 10, 6653	2.6	40
159	Can modern multi-objective evolutionary algorithms discover high-dimensional financial risk portfolio tradeoffs for snow-dominated water-energy systems?. **2020**, 145, 103718		5
158	A diversity introduction strategy based on change intensity for evolutionary dynamic multiobjective optimization. **2020**, 24, 12789-12799		4
157	A bi-objective maximal covering location problem: a service network design application. **2020**,		1
156	Many-Objective Cloud Task Scheduling. **2020**, 8, 79079-79088		7

#			
155	An adaptive clustering-based evolutionary algorithm for many-objective optimization problems. *Information Sciences*, **2020**, 537, 261-283	7.7	11
154	Battle of Postdisaster Response and Restoration. **2020**, 146, 04020067		4
153	Solving Many-Objective Optimization Problems by a Pareto-Based Evolutionary Algorithm With Preprocessing and a Penalty Mechanism. **2021**, 51, 5585-5594		3
152	Evolution Strategy-Based Many-Objective Evolutionary Algorithm Through Vector Equilibrium. **2021**, 51, 5455-5467		6
151	. **2020**, 56, 3588-3598		6
150	Optimal Power Allocation in Cooperative Networks With Energy-Saving Protocols. **2020**, 69, 5079-5088		4
149	Using cloud cover forecasts for estimating a solar powered vehicles' range. **2020**,		
148	Special Issue on the Contributions of Women in Ferroelectrics Research and Development. **2020**, 67, 451-451		
147	Reverse Strategy for Non-Dominated Archiving. **2020**, 8, 119458-119469		4
146	. **2020**, 27, 231-239		13
145	Vertical P-TFET With a P-Type SiGe Pocket. **2020**, 67, 1480-1484		17
144	Many-objective optimization with improved shuffled frog leaping algorithm for inter-basin water transfers. **2020**, 138, 103531		15
143	Improving NSGA-III algorithms with information feedback models for large-scale many-objective optimization. **2020**, 107, 49-69		59
142	Multiobjective optimization inspired by behavior of jellyfish for solving structural design problems. **2020**, 135, 109738		13
141	Improved Particle Swarm Optimization for Sea Surface Temperature Prediction. *Energies*, **2020**, 13, 1369	3.1	5
140	An improved opposition based learning firefly algorithm with dragonfly algorithm for solving continuous optimization problems. **2020**, 24, 309-338		22
139	MADNet: A Fast and Lightweight Network for Single-Image Super Resolution. **2021**, 51, 1443-1453		74
138	Over- and Underapproximating Reach Sets for Perturbed Delay Differential Equations. **2021**, 66, 283-290		2

137	A Grid-Based Inverted Generational Distance for Multi/Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 21-34	15.6	13
136	Investigating the Properties of Indicators and an Evolutionary Many-Objective Algorithm Using Promising Regions. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 75-86	15.6	26
135	A hybrid many-objective optimization algorithm for coal green production problem. **2021**, 33, e6040		1
134	Achievement scalarizing function sorting for strength Pareto evolutionary algorithm in many-objective optimization. *Neural Computing and Applications*, **2021**, 33, 6369-6388	4.8	1
133	Non-dominated sorting on performance indicators for evolutionary many-objective optimization. *Information Sciences*, **2021**, 551, 23-38	7.7	7
132	Multi-objective heat transfer search algorithm for truss optimization. **2021**, 37, 641-662		33
131	Guided Moth-Flame optimiser for multi-objective optimization problems. *Annals of Operations Research*, **2021**, 296, 877-899	3.2	2
130	A Many-Objective Evolutionary Algorithm Based on a Two-Round Selection Strategy. **2021**, 51, 1417-1429		12
129	MMAS Algorithm and Nash Equilibrium to Solve Multi-round Procurement Problem. **2021**, 273-284		1
128	A Decomposition-Based Evolutionary Algorithm with Correlative Selection Mechanism for Many-Objective Optimization. *Evolutionary Computation*, **2021**, 29, 269-304	4.3	1
127	On the Value of Oversampling for Deep Learning in Software Defect Prediction. **2021**, 1-1		4
126	Stochastic Parameter Identification Method for Driving Trajectory Simulation Processes Based on Mobile Edge Computing and Self-Organizing Feature Mapping. *Complexity*, **2021**, 2021, 1-8	1.6	
125	Full-phase optimization of PDC bit cutter layout to reduce lateral force based on zoning method. **2021**, 35, 1199-1207		0
124	Evolutionary many-Objective algorithm based on fractional dominance relation and improved objective space decomposition strategy. *Swarm and Evolutionary Computation*, **2021**, 60, 100776	9.8	16
123	How to Better Distinguish Security Bug Reports (Using Dual Hyperparameter Optimization). **2021**, 26, 1		1
122	Exergetic optimization of solar water collectors using computational intelligence techniques. **2021**, 23, 1737-1768		0
121	A many-objective evolutionary algorithm based on vector angle distance scaling. **2021**, 40, 10285-10306		
120	Ranking programming languages by energy efficiency. **2021**, 205, 102609		4

119	The Influence of Diesel–Ethanol Fuel Blends on Performance Parameters and Exhaust Emissions: Experimental Investigation and Multi-Objective Optimization of a Diesel Engine. **2021**, 13, 5379		1
118	Mining Workflows for Anomalous Data Transfers. **2021**,		2
117	Improved strength Pareto evolutionary algorithm based on reference direction and coordinated selection strategy. **2021**, 36, 4693-4722		2
116	Energy, economy, and ecological (3E)-based performance evaluation of a steam cycle power plant through optimization investigation. **2021**, 50, 6491		0
115	Integrating (varepsilon)-dominance and RBF surrogate optimization for solving computationally expensive many-objective optimization problems. 1		1
114	Federated Geo-Distributed Clouds: Optimizing Resource Allocation Based on Request Type Using Autonomous and Multi-objective Resource Sharing Model. **2021**, 24, 100188		3
113	Multi-objective optimization of the hull form for the semi-submersible medical platform. **2021**, 230, 109038		1
112	Thermodynamic optimization of Stirling heat engine with methane gas using finite speed thermodynamic model.		0
111	Urban cells: Extending the energy hub concept to facilitate sector and spatial coupling. **2021**, 3, 100046		10
110	NSGA-II with objective-specific variation operators for multiobjective vehicle routing problem with time windows. *Expert Systems With Applications*, **2021**, 176, 114779	7.8	13
109	A coordinated many-objective evolutionary algorithm using random adaptive parameters. 1		
108	Analytical and numerical modeling, sensitivity analysis, and multi-objective optimization of the acoustic performance of the herschel-quincke tube. **2021**, 180, 108096		2
107	Aerodynamic optimization of a luxury cruise ship based on a many-objective optimization system. **2021**, 236, 109438		1
106	Niche-based and angle-based selection strategies for many-objective evolutionary optimization. *Information Sciences*, **2021**, 571, 133-153	7.7	1
105	Is Our Archiving Reliable? Multiobjective Archiving Methods on ‖Simple‖Artificial Input Sequences. **2021**, 1, 1-19		1
104	A Decomposition-Based Multiobjective Optimization Evolutionary Algorithm with Adaptive Weight Generation Strategy. **2021**, 2021, 1-12		
103	Performance investigation of I?-indicator and I?+-indicator based on Lp-norm. **2021**, 458, 546-558		1
102	Many-objective cloud manufacturing service selection and scheduling with an evolutionary algorithm based on adaptive environment selection strategy. **2021**, 112, 107737		4

101	Many-objective optimization algorithm based on adaptive reference vector. **2021**, 40, 449-461		1
100	A comparative study of many-objective optimizers on large-scale many-objective software clustering problems. *Complex & Intelligent Systems*, **2021**, 7, 1061-1077	7.1	2
99	Multiobjective Optimization. **2010**, 193-262		3
98	Multi-objective Optimization. **2018**, 1-28		3
97	Relaxations of Lexicase Parent Selection. **2018**, 105-120		10
96	Incremental Evolution of Animats Behaviors as a Multi-objective Optimization. *Lecture Notes in Computer Science*, **2008**, 210-219	0.9	21
95	Optimal Triangulation in 3D Computer Vision Using a Multi-objective Evolutionary Algorithm. **2007**, 330-339		10
94	Use of Pareto-Optimal and Near Pareto-Optimal Candidate Rules in Genetic Fuzzy Rule Selection. **2007**, 387-396		6
93	Knowledge Incorporation in Multi-objective Evolutionary Algorithms. **2008**, 23-46		12
92	On the Effect of Applying a Steady-State Selection Scheme in the Multi-Objective Genetic Algorithm NSGA-II. **2009**, 435-456		7
91	On the Effect of the Steady-State Selection Scheme in Multi-Objective Genetic Algorithms. *Lecture Notes in Computer Science*, **2009**, 183-197	0.9	35
90	Tight Bounds for the Approximation Ratio of the Hypervolume Indicator. **2010**, 607-616		4
89	Faster Convergence and Higher Hypervolume for Multi-objective Evolutionary Algorithms by Orthogonal and Uniform Design. *Lecture Notes in Computer Science*, **2010**, 312-328	0.9	5
88	Evolutionary Multi-Objective Optimization: Basic Concepts and Some Applications in Pattern Recognition. *Lecture Notes in Computer Science*, **2011**, 22-33	0.9	6
87	IPESA-II: Improved Pareto Envelope-Based Selection Algorithm II. *Lecture Notes in Computer Science*, **2013**, 143-155	0.9	5
86	Gender Approach to Multi-Objective Optimization of Detection Systems with Pre-selection of Criteria. *Advances in Intelligent Systems and Computing*, **2014**, 161-174	0.4	1
85	A Population-P-Systems-Inspired Membrane Algorithm for Multi-objective Optimization. **2014**, 40-44		1
84	A New Differential Evolution for Multiobjective Optimization by Uniform Design and Minimum Reduce Hypervolume. **2010**, 199-208		3

83	A many-objective evolutionary algorithm based on hyperplane projection and penalty distance selection. **2018**, 17, 877-899		5
82	Development of a multi-objective artificial tree (MOAT) algorithm and its application in acoustic metamaterials. **2020**, 12, 165-184		5
81	Binary search based boundary elimination selection in many-objective evolutionary optimization. **2017**, 60, 689-705		11
80	An integrated approach to design site specific distributed electrical hubs combining optimization, multi-criterion assessment and decision making. **2017**, 134, 103-120		45
79	Cooperative two-engine multi-objective bee foraging algorithm with reinforcement learning. **2017**, 133, 278-293		21
78	Multi-objective heuristic guide vane closure scheme optimisation of hydroturbine generating unit. **2020**, 14, 1087-1094		2
77	Handling Multiple Scenarios in Evolutionary Multiobjective Numerical Optimization. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 920-933	15.6	14
76	A Normal Distribution Crossover for MOEA. **2009**, 20, 305-314		9
75	An Indicator for Assessing the Spread of Solutions in Multi-Objective Evolutionary Algorithm. **2011**, 34, 647-664		4
74	The Dominance Based Multi-Objective Evolutionary Algorithm and an Adaptive Strategy. **2009**, 31, 1063-1072		
73	Computing and Selecting Efficient Solutions of {0, 1}-Knapsack Problems. **2010**, 379-389		3
72	Quick multi-objective evolutionary algorithm based on adaptive Pareto-dominance. **2010**, 30, 997-999		
71	A Hybrid Simplex Multi-Objective Evolutionary Algorithm Based on A New Fitness Assignment Strategy. **2013**, 8,		0
70	An Introduction to Evolutionary Multi-objective Optimization with Some Applications in Pattern Recognition. *Lecture Notes in Computer Science*, **2014**, 1-13	0.9	
69	Multi-Objective Genetic and Fuzzy Approaches in Rule Mining Problem of Knowledge Discovery in Databases. **2014**, 147-179		
68	Many Objective Visual Analytics: In Search of Search-as-a-Service. **2014**,		
67	R-HV: A Metric for Computing Hyper-volume for Reference Point Based EMOs. *Lecture Notes in Computer Science*, **2015**, 98-110	0.9	3
66	Hypervolume-based Multi-Objective Expected Improvement for Three-Objective Functions. **2015**,		

65	Estimating heterogeneous treatment effects by balancing heterogeneity and fitness.		
64	Multi-objective League Championship Algorithms and its Applications to Optimal Control Problems. *Advances in Intelligent Systems and Computing*, **2019**, 35-46	0.4	
63	An Improved Bi-goal Algorithm for Many-Objective Optimization. *Lecture Notes in Computer Science* , **2019**, 211-218	0.9	
62	Optimization of Cutting Parameters for Sustainable Machining of Titanium Ti-5553 Alloy using Genetic Algorithm. *Academic Platform Journal of Engineering and Science*, 309-315	0.1	1
61	Guided Manta Ray foraging optimization using epsilon dominance for multi-objective optimization in engineering design. *Expert Systems With Applications*, **2021**, 116126	7.8	2
60	Angle-Based Crowding Degree Estimation for Many-Objective Optimization. *Lecture Notes in Computer Science*, **2020**, 574-586	0.9	2
59	Maximum angle evolutionary selection for many-objective optimization algorithm with adaptive reference vector. *Journal of Intelligent Manufacturing*, 1	6.7	
58	Use of Energy Storage to Reduce Transmission Losses in Meshed Power Distribution Networks. *Energies*, **2021**, 14, 7304	3.1	1
57	Multi-Objective Genetic and Fuzzy Approaches in Rule Mining Problem of Knowledge Discovery in Databases. 1083-1114		
56	Text Analytics in Bulgarian: An Overview and Future Directions. *Cybernetics and Information Technologies*, **2021**, 21, 3-23	1.3	3
55	Evolutionary Optimized Multiple Instance Concept Learning for Beat-to-Beat Heart Rate Estimation from Electrocardiograms. **2020**,		
54	A Multi-objective variable neighborhood search for the maximal covering location problem with customer preferences. *Cluster Computing*, 1	2.1	0
53	An Extended Tissue-like P System Based on Membrane Systems and Quantum-Behaved Particle Swarm Optimization for Image Segmentation. *Processes*, **2022**, 10, 287	2.9	0
52	Predicting joint effects of multiple land consolidation strategies on ecosystem service interactions.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	2
51	An Intelligent Design for Ni-Based Superalloy Based on Machine Learning and Multi-Objective Optimization. *SSRN Electronic Journal*,	1	
50	3MO-AHP: an inconsistency reduction approach through mono-, multi- or many-objective quality measures. *Data Technologies and Applications*, **2022**, ahead-of-print,	1.6	0
49	An ɛDomination based Two-Archive 2 Algorithm for Many-Objective Optimization. *Journal of Systems Engineering and Electronics*, **2022**, 33, 156-169	1.3	0
48	Use of heat transfer search algorithm while optimizing the process parameters of ECDM to machine quartz material. *Materials Today: Proceedings*, **2022**,	1.4	0

47	MGDE: a many-objective guided differential evolution with strengthened dominance relation and bi-goal evolution. *Annals of Operations Research*, 1	3.2	1
46	Kinetic facades: An evolutionary-based performance evaluation framework. *Journal of Building Engineering*, **2022**, 104408	5.2	
45	An Integrated Framework with Evolutionary Algorithm for Multi-Scenario Multi-Objective Optimization Problems. *Information Sciences*, **2022**,	7.7	1
44	An integrated forecasting system based on knee-based multi-objective optimization for solar radiation interval forecasting. *Expert Systems With Applications*, **2022**, 198, 116934	7.8	5
43	Practitioner-Centric Approach for Early Incident Detection Using Crowdsourced Data for Emergency Services. **2021**,		0
42	Entropy-Driven Global Best Selection in Particle Swarm Optimization for Many-Objective Software Package Restructuring. *Complexity*, **2021**, 2021, 1-11	1.6	0
41	On the Evolutionary Synthesis of Fault-resilient Digital Circuits. *IEEE Transactions on Evolutionary Computation*, **2022**, 1-1	15.6	
40	A decomposition-based many-objective evolutionary algorithm with optional performance indicators. *Complex & Intelligent Systems*,	7.1	
39	Multi-Objective QPSO Algorithms to Solve an Electromagnetic Benchmark Problem. **2020**,		
38	A multi-resolution grid-based bacterial foraging optimization algorithm for multi-objective optimization problems. *Swarm and Evolutionary Computation*, **2022**, 72, 101098	9.8	
37	A novel epsilon-dominance Harris Hawks optimizer for multi-objective optimization in engineering design problems. *Neural Computing and Applications*,	4.8	0
36	A demonstration of sustainable pipeline routing optimization using detailed financial and environmental assessment. *Journal of Cleaner Production*, **2022**, 132305	10.3	1
35	Multi-Objective Optimization Using Cooperative Garden Balsam Optimization with Multiple Populations. *Applied Sciences (Switzerland)*, **2022**, 12, 5524	2.6	
34	An efficient optimization of an irreversible Ericsson refrigeration cycle based on thermo-ecological criteria. *Thermal Science and Engineering Progress*, **2022**, 101381	3.6	0
33	An application of adaptive normalization evolutionary optimization ANMOGA for missile fin design based on trajectory parameters. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 12247-12257	6.1	0
32	An intelligent design for Ni-based superalloy based on machine learning and multi-objective optimization. *Materials and Design*, **2022**, 221, 110935	8.1	0
31	Cooperative co-evolutionary memetic algorithm for pickup and delivery problem with time windows. **2022**,		
30	An external archive guided Harris Hawks optimization using strengthened dominance relation for multi-objective optimization problems. *Artificial Intelligence Review*,	9.7	1

29	Improving the Efficiency of Multi-Objective Grasshopper Optimization Algorithm to Enhance Ontology Alignment. **2022**, 27, 240-254	
28	A general framework for enhancing relaxed Pareto dominance methods in evolutionary many-objective optimization.	
27	A many-objective evolutionary algorithm based on corner solution and cosine distance.	
26	Multi-objective optimization for coverage aware energy consumption in wireless 3D video sensor network. **2022**,	0
25	Using Dominated Solutions at Edges to the Diversity and the Uniformity of Non-dominated Solution Distributions in NSGA-II. **2022**, 3,	
24	A knowledge guided bacterial foraging optimization algorithm for many-objective optimization problems.	
23	Multi-objective optimization of semi-submersible platforms based on a support vector machine with grid search optimized mixed kernels surrogate model. **2022**, 260, 112077	1
22	Incremental Non-Dominated Sorting algorithms based on Irreducible Domination Graphs. **2022**, 128, 109466	
21	A hybrid evolutionary multitask algorithm for the multiobjective vehicle routing problem with time windows. **2022**, 612, 168-187	0
20	Bicriterion Coevolution for the Multi-objective Travelling Salesperson Problem. **2022**,	0
19	A digital twin-based multi-objective optimization method for technical schemes in process industry. 1-26	0
18	An enhancing many-objective evolutionary algorithm using chaotic mapping and solution ranking mechanism for large-scale optimization. **2022**, 9, 1974-1994	0
17	Quantifying the climate and human-system-driven uncertainties in energy planning by using GANs. **2022**, 328, 120169	0
16	An effective and efficient evolutionary algorithm for many-objective optimization. **2022**, 617, 211-233	0
15	Multi-objective optimization of explosive waste treatment process considering environment via Bayesian active learning. **2023**, 117, 105463	0
14	Solving zero-sum multi-objective games with a-priori secondary criteria.	0
13	Thermal efficiency and specific work optimization of combined Brayton and inverse Brayton cycle: A multi-objective approach. **2023**, 37, 101624	0
12	An improved marine predator algorithm based on epsilon dominance and Pareto archive for multi-objective optimization. **2023**, 119, 105718	0

11	A review and evaluation of multi and many-objective optimization: Methods and algorithms. **2022**, 7, 104-119	0
10	An economic/emission dispatch based on a new multi-objective artificial bee colony optimization algorithm and NSGA-II.	0
9	How to Find Actionable Static Analysis Warnings: A Case Study With FindBugs. **2023**, 1-17	0
8	A Multi-Objective Evolutionary Algorithm With Hierarchical Clustering-Based Selection. **2023**, 11, 2557-2569	0
7	An evolutionary algorithm with clustering-based selection strategies for multi-objective optimization. **2023**, 624, 217-234	0
6	Improved selection strategy for multi-objective evolutionary algorithms with application to water distribution optimization problems.	0
5	A smart predict-then-optimize method for targeted and cost-effective maritime transportation. **2023**, 172, 32-52	0
4	Stock-Pred: The LSTM Prophet of the Stock Market. **2022**, 293-308	0
3	Research on high efficiency and high dynamic optimal matching of the electro-hydraulic servo pump control system based on NSGA-II. **2023**, 9, e13805	1
2	A Multi-Objective Carnivorous Plant Algorithm for Solving Constrained Multi-Objective Optimization Problems. **2023**, 8, 136	1
1	A Survey on Search Strategy of Evolutionary Multi-Objective Optimization Algorithms. **2023**, 13, 4643	0