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Handling multiple objectives with particle swarm optimization

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#	Paper	IF	Citations
2272	Model Reference Adaptive Control of Force in End Milling Operations. 1988,		2
2271	Ultra-Wideband Source Localization Using a Particle-Swarm-Optimized Capon Estimator from a Frequency-Dependent Channel Modeling Viewpoint. 2005, 2005, 1		3
2270	Integration of process planning and production scheduling with particle swarm optimization (PSO) algorithm and fuzzy inference systems. 2005,		3
2269	Multiobjective Optimization by a Modified Artificial Immune System Algorithm. 2005, 248-261		34
2268	Application of particle swarm optimization on batch process scheduling. 2005,		1
2267	Improving PSO-Based Multiobjective Optimization Using Competition and Immunity Clonal. 2005, 839-845		
2266	Intelligent particle swarm optimization in multiobjective optimization.		8
2265	Adaptive particle swarm optimizer for beam angle selection in radiotherapy planning.		3
2264	Multiobjectivity and complexity in embodied cognition. <i>IEEE Transactions on Evolutionary Computation</i> , 2005, 9, 337-360	15.6	22
2263	Novel composition test functions for numerical global optimization.		163
2262	Handling diversity in evolutionary multiobjective optimization.		7
2261	A proposal to use stripes to maintain diversity in a multi-objective particle swarm optimizer.		21
2260	A Fuzzy Adaptive Programming Method of Particle Swarm Optimization. 2005,		5
2259	Parallel particle swarm optimization and finite- difference time-domain (PSO/FDTD) algorithm for multiband and wide-band patch antenna designs. 2005, 53, 3459-3468		197
2258	A MOPSO Algorithm Based Exclusively on Pareto Dominance Concepts. 2005, 459-473		129
2257	Improving PSO-Based Multi-objective Optimization Using Crowding, Mutation and ϵ -Dominance. 2005, 505-519		355
2256	A particle swarm optimization algorithm for beam angle selection in intensity-modulated radiotherapy planning. 2005, 50, 3491-514		92

2255	Parameter tuning of a computed-torque controller for a 5 degree of freedom robot arm using co-evolutionary particle swarm optimization.		3
2254	Pareto Multi Objective Optimization.		131
2253	Artificial Immune Systems. 2005 ,		6
2252	An effective use of crowding distance in multiobjective particle swarm optimization. 2005 ,		252
2251	Particle swarm optimization and fitness sharing to solve multi-objective optimization problems.		20
2250	A Multi-Objective Particle Swarm Optimization Incorporating Design Sensitivities. 2006 ,		8
2249	A Novel Task Allocation Problem Solution with PSO Algorithm for Holonic Manufacturing System. 2006 ,		2
2248	Multi-Objective Particle Swarm Optimization Algorithm Based on Enhanced μ -Dominance.		1
2247	Dynamic Population Size in PSO-based Multiobjective Optimization.		8
2246	Bezier representations for the multiobjective optimization of conformal array amplitude weights. 2006 , 54, 1964-1970		15
2245	Issues of Binary Representation in Evolutionary Algorithms. 2006 ,		2
2244	A New Intelligent Search Method for Composite System Reliability Analysis.		16
2243	ParEGO: a hybrid algorithm with on-line landscape approximation for expensive multiobjective optimization problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2006 , 10, 50-66	15.6	547
2242	A faster algorithm for calculating hypervolume. <i>IEEE Transactions on Evolutionary Computation</i> , 2006 , 10, 29-38	15.6	437
2241	Multiobjective evolutionary algorithms for electric power dispatch problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2006 , 10, 315-329	15.6	398
2240	Stability analysis of the particle dynamics in particle swarm optimizer. <i>IEEE Transactions on Evolutionary Computation</i> , 2006 , 10, 245-255	15.6	237
2239	Multiobjective particle swarm optimization for parameter estimation in hydrology. 2006 , 42,		123
2238	.		13

2237	Intensity-Preserving Contrast Enhancement for Gray-Level Images using Multi-objective Particle Swarm Optimization. 2006 ,		15
2236	Comprehensive learning particle swarm optimizer for global optimization of multimodal functions. <i>IEEE Transactions on Evolutionary Computation</i> , 2006 , 10, 281-295	15.6	2355
2235	Constrained Multiobjective Optimization Immune Algorithm: Convergence and Application. 2006 , 52, 791-808		9
2234	Multi-objective genetic algorithm for solving N-version program design problem. 2006 , 91, 1083-1094		18
2233	A multi-objective particle swarm for a flow shop scheduling problem. 2006 , 13, 79-102		49
2232	Evolutionary multi-objective optimization: a historical view of the field. 2006 , 1, 28-36		672
2231	Comprehensive learning particle swarm optimizer for solving multiobjective optimization problems. 2006 , 21, 209-226		117
2230	Microwave absorber optimal design using multi-objective particle swarm optimization. 2006 , 48, 1553-1558		48
2229	VIS: An artificial immune network for multi-objective optimization. 2006 , 38, 975-996		58
2228	Neuro-Genetic Design Optimization Framework to Support the Integrated Robust Design Optimization Process in CE. 2006 , 14, 5-16		55
2227	Multi-objective Blind Image Fusion. 2006 , 713-720		
2226	Hybrid enhanced genetic algorithm to select optimal machining parameters in turning operation. 2006 , 220, 2041-2053		57
2225	On Multi-population Parallel Particle Swarm Optimization Algorithm. 2006 ,		2
2224	A New Proposal for Multiobjective Optimization Using Particle Swarm Optimization and Rough Sets Theory. 2006 , 483-492		11
2223	Scroll Plate Optimization Based on Improved Genetic-Particle Swarm Optimization Algorithm. 2006 ,		
2222	A PSO and Simulated Annealing Hybrid Algorithm to Task Allocation Problem for Holonic Manufacturing System. 2006 ,		2
2221	Auto-adapted Ant Colony Optimization Algorithm for Wavelet Network and Its Applications. 2006 ,		
2220	Neural Network Enhancement of Multiobjective Evolutionary Search.		1

2219	Integration of Process Planning and Production Scheduling Based on A Hybrid PSO and SA Algorithm. 2006,	7
2218	Multiobjective Multistatic Sonar Sensor Placement.	7
2217	A Hybrid Particle Swarm Optimization(PSO) Algorithm Schemes for Integrated Process Planning and Production Scheduling. 2006,	3
2216	. 2006,	
2215	A Hybrid of Differential Evolution and Genetic Algorithm for Constrained Multiobjective Optimization Problems. 2006, 318-327	6
2214	An Improved Particle Swarm Optimization(PSO) Algorithm and Fuzzy Inference Systems Based Approach to Process Planning and Production Scheduling Integration in Holonic Manufacturing System (HMS). 2006,	2
2213	A Scheduling Holon Model with Time Petri Net and Its Solution With A Novel PSO-GA Algorithm. 2006,	
2212	Improved MOCLPSO algorithm for environmental/economic dispatch. 2007,	3
2211	A New Multi-objective Fully-Informed Particle Swarm Algorithm for Flexible Job-Shop Scheduling Problems. 2007,	4
2210	Collaborative Research Centre 531: Computational Intelligence Theory and Practice (Sonderforschungsbereich 531: Computational Intelligence Theorie und Praxis). 2007, 49, 49-57	1
2209	A particle swarm optimization approach for estimating parameter confidence regions. 2007,	1
2208	Multi-objective hybrid PSO using μ -fuzzy dominance. 2007,	12
2207	A hybrid multi-objective particle swarm algorithm for a mixed-model assembly line sequencing problem. 2007, 39, 877-898	20
2206	An efficient multi-objective optimization algorithm based on swarm intelligence for engineering design. 2007, 39, 49-68	73
2205	Swarm algorithms for single- and multi-objective optimization problems incorporating sensitivity analysis. 2007, 39, 981-998	12
2204	A Hybrid Escalating Evolutionary Algorithm for Multi-objective Flow-Shop Scheduling. 2007,	1
2203	. 2007,	
2202	Adaptive multi-objective particle swarm optimization algorithm. 2007,	20

2201	Cross-searching strategy for multi-objective particle swarm optimization. 2007,	2
2200	Adaptive parameter setting for a multi-objective particle swarm optimization algorithm. 2007,	11
2199	The Optimal Multi-objective Optimization Using PSO in Blind Color Image Fusion. 2007,	4
2198	An improved particle swarm optimization for multi-objective flexible job-shop scheduling problem. 2007,	2
2197	Order Form Selection and Evaluation Model based on Particle Swarm Optimization(PSO) for Task Holon. 2007,	
2196	A cooperative coevolutionary algorithm for multiobjective particle swarm optimization. 2007,	12
2195	A Novel Self-organizing Particle Swarm Optimization based on Gravitation Field Model. 2007,	2
2194	Application of MOEPPSO Algorithm to Coordinate Multiple TCSC Controllers in Power System. 2007,	
2193	Particle swarm optimization. 2007,	29
2192	A multiobjective memetic algorithm based on particle swarm optimization. 2007, 37, 42-50	179
2191	MOEA/D: A Multiobjective Evolutionary Algorithm Based on Decomposition. <i>IEEE Transactions on Evolutionary Computation</i> , 2007, 11, 712-731	15.6 4746
2190	Modified Multi-objective Particle Swarm Optimization for electromagnetic absorber design. 2007,	8
2189	Multi-Objective Decentralized Model Predictive Control for Cooperative Multi-UAV Systems. 2007,	
2188	A Memetic PSO Algorithm for Scalar Optimization Problems. 2007,	10
2187	Evolutionary Algorithms for Solving Multi-Objective Problems. 2007,	104
2186	A Mini-Swarm for the Quadratic Knapsack Problem. 2007,	17
2185	A Multi-objective Particle Swarm Optimization Algorithm for Rule Discovery. 2007,	2
2184	Using Elitist Particle Swarm Optimization to Facilitate Bicriterion Time-Cost Trade-Off Analysis. 2007, 133, 498-505	72

2183	. 2007 , 45, 1887-1895	65
2182	Scatter PSO - A more effective form of Particle Swarm Optimization. 2007 ,	
2181	Multiobjective Optimal Antenna Design Based on Volumetric Material Optimization. 2007 , 55, 594-603	35
2180	Design and Test of a Compound Persistent-Pulsed Magnet for Fast Field Cycling NMR. 2007 , 17, 1426-1429	1
2179	A Novel Method for Finding Good Local Guides in Multi-objective Particle Swarm Optimization. 2007 ,	1
2178	. 2007 ,	4
2177	Multiple-objective optimisation of a jacketed tubular reactor. 2007 ,	3
2176	Multi-objective particle swarm optimization by fuzzy-pareto-dominance meta-heuristic. 2007 , 3, 179-186	6
2175	Multi-objective particle swarm optimization for generating optimal trade-offs in reservoir operation. 2007 , 21, 2897-2909	135
2174	SODOCK: swarm optimization for highly flexible protein-ligand docking. 2007 , 28, 612-23	96
2173	Dielectric filter optimal design suitable for microwave communications by using multiobjective evolutionary algorithms. 2007 , 49, 2324-2329	11
2172	Solving the semi-desirable facility location problem using bi-objective particle swarm. 2007 , 177, 733-749	63
2171	Sub-population genetic algorithm with mining gene structures for multiobjective flowshop scheduling problems. 2007 , 33, 762-771	77
2170	Design of mixed H ₂ /H _∞ control systems using algorithms inspired by the immune system. 2007 , 177, 4368-4386	16
2169	Multi-Objective Particle Swarm Optimization with time variant inertia and acceleration coefficients. 2007 , 177, 5033-5049	333
2168	A versatile software tool for microwave planar radar absorbing materials design using global optimization algorithms. 2007 , 28, 2585-2595	24
2167	Hybrid multi-objective shape design optimization using Taguchi's method and genetic algorithm. 2007 , 34, 317-332	65
2166	A hybrid algorithm based on particle swarm optimization and simulated annealing to holon task allocation for holonic manufacturing system. 2007 , 32, 1021-1032	16

2165	Improved genetic algorithm inspired by biological evolution. 2007 , 11, 923-941	8
2164	A new particle swarm algorithm for a multi-objective mixed-model assembly line sequencing problem. 2007 , 11, 997-1012	29
2163	Particle swarm-based optimal partitioning algorithm for combinational CMOS circuits. 2007 , 20, 177-184	10
2162	Environmental/economic power dispatch using a fuzzified multi-objective particle swarm optimization algorithm. 2007 , 77, 1654-1664	183
2161	Task allocation for maximizing reliability of a distributed system using hybrid particle swarm optimization. 2007 , 80, 724-735	56
2160	A novel elitist multiobjective optimization algorithm: Multiobjective extremal optimization. 2008 , 188, 637-651	59
2159	Multi-objective inventory planning using MOPSO and TOPSIS. 2008 , 35, 136-142	65
2158	A fast Pareto genetic algorithm approach for solving expensive multiobjective optimization problems. 2008 , 14, 203-241	52
2157	Parameter optimization of laser die-surface hardening using the particle swarm optimization technique. 2008 , 36, 1104-1112	3
2156	Pareto archive particle swarm optimization for multi-objective fuzzy job shop scheduling problems. 2008 , 37, 157-165	70
2155	A robust learning algorithm based on support vector regression and robust fuzzy cerebellar model articulation controller. 2008 , 29, 47-55	7
2154	Multiobjective optimization using population-based extremal optimization. 2008 , 17, 101-109	25
2153	Optimal Formation Reconfiguration Control of Multiple UCAVs Using Improved Particle Swarm Optimization. 2008 , 5, 340-347	39
2152	Genetic algorithm integrated with artificial chromosomes for multi-objective flowshop scheduling problems. 2008 , 205, 550-561	36
2151	A novel ecological particle swarm optimization algorithm and its population dynamics analysis. 2008 , 205, 61-72	19
2150	Knowledge-based cooperative particle swarm optimization. 2008 , 205, 861-873	46
2149	Particle swarm optimization with FUSS and RWS for high dimensional functions. 2008 , 205, 98-108	34
2148	A hybrid watermarking technique applied to digital images. 2008 , 8, 798-808	39

2147	On solving multiobjective bin packing problems using evolutionary particle swarm optimization. 2008 , 190, 357-382		92
2146	Optimal multiple-objective resource allocation using hybrid particle swarm optimization and adaptive resource bounds technique. 2008 , 216, 73-86		22
2145	A novel hybrid algorithm for function approximation. 2008 , 34, 384-390		26
2144	A Pareto archive particle swarm optimization for multi-objective job shop scheduling. 2008 , 54, 960-971		78
2143	Multiobjective Particle Swarm Algorithm With Fuzzy Clustering for Electrical Power Dispatch. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 529-541	15.6	224
2142	Selection of an Optimal Solution for Multiobjective Electromagnetic Apparatus Design Based on Game Theory. 2008 , 44, 1026-1029		12
2141	Robust Design Optimization Approach by Combination of Sensitivity Analysis and Sigma Level Estimation. 2008 , 44, 998-1001		7
2140	An integrated algorithm for gene selection and classification applied to microarray data of ovarian cancer. 2008 , 42, 81-93		42
2139	. 2008 ,		7
2138	A fast and elitist multi-objective particle swarm algorithm: NSPSO. 2008 ,		6
2137	Particle Swarm-Based Multiobjective Structural Optimization Exploiting Distributed Grid Resources. 2008 ,		0
2136	Particle Swarm Optimization: Basic Concepts, Variants and Applications in Power Systems. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 171-195	15.6	1436
2135	RM-MEDA: A Regularity Model-Based Multiobjective Estimation of Distribution Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 41-63	15.6	473
2134	AbYSS: Adapting Scatter Search to Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 439-457	15.6	230
2133	. 2008 , 38, 258-277		75
2132	Improving locality in binary representation via redundancy. 2008 , 38, 808-25		3
2131	PSO-based multiobjective optimization with dynamic population size and adaptive local archives. 2008 , 38, 1270-93		125
2130	Use of Multiobjective Particle Swarm Optimization in Water Resources Management. 2008 , 134, 257-265		93

2129	A Multi-Objective Pareto-Optimal Solution to the Box-Pushing Problem by Mobile Robots. 2008,	5
2128	. 2008,	
2127	Hybridizing evolutionary strategies with continuation methods for solving multi-objective problems. 2008, 40, 383-402	35
2126	A Particle Swarm Optimization-Based Multiuser Detection for Receive-Diversity-Aided STBC Systems. 2008, 15, 29-32	27
2125	A Fuzzy Particle Swarm Approach to Multiobjective Quadratic Assignment Problems. 2008,	4
2124	Using elitist particle swarm optimization to facilitate resources leveling optimization analysis. 2008,	
2123	Using Elitist Particle Swarm Optimization to Facilitate Real Estate Portfolio Based on Information Entropy. 2008,	0
2122	Cultural MOPSO: A cultural framework to adapt parameters of multiobjective particle swarm optimization. 2008,	10
2121	Impact of tuning parameters on dynamic swarms in PSO-based multiobjective optimization. 2008,	
2120	Improved PSO-based Multi-Objective Optimization using inertia weight and acceleration coefficients dynamic changing, crowding and mutation. 2008,	2
2119	An Ad Hoc routing algorithm of low-delay based on hybrid Particle Swarm Optimization. 2008,	1
2118	Enhanced multiobjective particle swarm optimization in combination with adaptive weighted gradient-based searching. 2008, 40, 789-804	19
2117	A particle swarm optimization-based time-scaling method for quasi-time-optimal control of rigid spacecraft along specified paths. 2008, 222, 1-9	1
2116	The Bidding Tactics Decision-Making for BOT Projects Based on Multiple-Dimension Conjugate Grades Wavelet Network. 2008,	
2115	Multiuser Detection in STBC-MIMO Systems Based on Pareto Optimality Particle Swarm Optimization Algorithm. 2008,	
2114	One MOEA Uniformity Measurement Based on Generalized Spherical Transformation. 2008,	
2113	An interactive particle swarm optimisation for selecting a product family and designing its supply chain. 2008, 31, 168	16
2112	Multiobjective Optimization Using Clustering Based Two Phase PSO. 2008,	

2111	Application of Improved Particle Swarm Optimization in Construction Contractors' Selection and Optimization. 2008,	
2110	An evolutionary particle swarm algorithm for multi-objective optimisation. 2008,	1
2109	Design of stock trading system for historical market data using multiobjective particle swarm optimization of technical indicators. 2008,	15
2108	DIVERSITY-BASED INFORMATION EXCHANGE AMONG MULTIPLE SWARMS IN PARTICLE SWARM OPTIMIZATION. 2008, 07, 57-75	21
2107	Local search with quadratic approximations into memetic algorithms for optimization with multiple criteria. 2008, 16, 185-224	35
2106	Multi-Objective Evolutionary Algorithm Based on Dynamical Crossover and Mutation. 2008,	2
2105	Task allocation and evaluation model for Holonic Manufacturing System based on multi-agent system. 2008,	
2104	An Improved PSO with Time-Varying Accelerator Coefficients. 2008,	24
2103	New Multi-Objective Constrained Optimization Evolutionary Algorithm. 2008,	1
2102	Topology-based personal selection in multi-objective Particle Swarm Optimization. 2008,	1
2101	Multi-objective Particle Swarm Optimization Biclustering of Microarray Data. 2008,	20
2100	Adaptive Niche Multi-objective Particle Swarm Optimization Algorithm. 2008,	1
2099	LOCAL SEARCH FOR MULTIOBJECTIVE OPTIMIZATION OF STEEL FRAMES. 2008, 73, 2135-2141	2
2098	Pareto optima and Nash equilibria. 2008, 27, 845-854	4
2097	MODIFIED MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION FOR ELECTROMAGNETIC ABSORBER DESIGN. 2008, 79, 353-366	37
2096	Particle Swarm Optimization Algorithm for the Traveling Salesman Problem. 2008,	20
2095	Multidisciplinary Optimization of Aerocapture Maneuvers. 2008, 2008, 1-13	4
2094	A wireless solution for radon gas detection. 2009,	1

2093	. 2009,	988
2092	MULTI-OBJECTIVE OPTIMIZATION OF UWB MONOPOLE ANTENNA. 2009, 8, 83-94	2
2091	. 2009,	1
2090	Empirical comparison of MOPSO methods - Guide selection and diversity preservation -. 2009,	39
2089	Image compression and recovery through compressive sampling and particle swarm. 2009,	1
2088	A Multi-Objective Evolutionary Algorithm Using Min-Max Strategy And Sphere Coordinate Transformation. 2009, 15, 361-384	29
2087	Preference-based Pareto optimization in certain and noisy environments. 2009, 41, 23-38	31
2086	Enhancing MOEA/D with guided mutation and priority update for multi-objective optimization. 2009,	9
2085	. 2009,	1
2084	Rotation and translation selective Pareto optimal solution to the box-pushing problem by mobile robots using NSGA-II. 2009,	9
2083	Service cost and waiting time-a multi-objective optimization scenario. 2009,	1
2082	The research of online price quotation for the automobile parts exchange programme. 2009, 22, 245-256	11
2081	A parallel particle swarm optimization algorithm for multi-objective optimization problems. 2009, 41, 673-697	28
2080	Particle swarm optimization methods for data clustering. 2009,	2
2079	Swarm Intelligence for Multi-objective Problems in Data Mining. 2009,	11
2078	A novel multi-objective particle swarm optimization based on dynamic crowding distance. 2009,	2
2077	Particle Swarm vs. Evolutionary Optimization Techniques in a Multiobjective Framework for Damage Identification. 2009, 413-414, 661-668	0
2076	. 2009,	1

2075	Multi-objective Optimal Design of Hybrid Laminate Composite Structures Using Scatter Search. 2009 , 43, 2157-2182	16
2074	Evolutionary Multi-objective Optimization in Uncertain Environments. 2009 ,	3
2073	Automatic Calibration of a Hydrological Model Using Multiobjective Particle Swarm Optimization and TOPSIS. 2009 ,	1
2072	. 2009 ,	
2071	Parallel multi-objective evolutionary algorithms on graphics processing units. 2009 ,	33
2070	Application of particle swarm optimisation to sandwich material design. 2009 , 38, 106-110	3
2069	Problem difficulty analysis for particle swarm optimization. 2009 ,	14
2068	A Lyapunov-based extension to particle swarm dynamics for continuous function optimization. 2009 , 9, 9977-97	4
2067	. 2009 ,	3
2066	A novel hybrid algorithm for creating self-organizing fuzzy neural networks. 2009 , 73, 517-524	20
2065	Approximating the Set of Pareto-Optimal Solutions in Both the Decision and Objective Spaces by an Estimation of Distribution Algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2009 , 13, 1167-1189	149
2064	Detecting particle swarm optimization. 2009 , 21, 449-473	6
2063	Robust optimization using multi-objective particle swarm optimization. 2009 , 14, 174-177	5
2062	Identification using ANFIS with intelligent hybrid stable learning algorithm approaches. 2009 , 18, 157-174	23
2061	Synchronous parallelization of Particle Swarm Optimization with digital pheromones. 2009 , 40, 975-985	14
2060	Evolutionary multi-objective optimization: some current research trends and topics that remain to be explored. 2009 , 3, 18-30	90
2059	Improving solution characteristics of particle swarm optimization using digital pheromones. 2009 , 37, 415-427	26
2058	Asynchronous parallelization of particle swarm optimization through digital pheromone sharing. 2009 , 39, 263-281	5

2057	Fast Multi-objective Constrained Evolutionary Algorithm and Its Convergence. 2009 , 29, 149-157	6
2056	Solving Complex Transcendental Equations Based on Swarm Intelligence. 2009 , 4, 755-762	4
2055	ADAPTIVE MULTI-OBJECTIVE OPTIMIZATION BASED ON NONDOMINATED SOLUTIONS. 2009 , 25, 84-108	28
2054	Applying enhanced data mining approaches in predicting bank performance: A case of Taiwanese commercial banks. 2009 , 36, 11543-11551	31
2053	Training ANFIS as an identifier with intelligent hybrid stable learning algorithm based on particle swarm optimization and extended Kalman filter. 2009 , 160, 922-948	82
2052	Efficient deterministic multiple objective optimal control of (bio)chemical processes. 2009 , 64, 2527-2538	59
2051	Multi-criterion Pareto based particle swarm optimized polynomial neural network for classification: A review and state-of-the-art. 2009 , 3, 19-40	30
2050	Automatic calibration of a rainfall runoff model using a fast and elitist multi-objective particle swarm algorithm. 2009 , 36, 9533-9538	39
2049	Particle swarm optimization with preference order ranking for multi-objective optimization. 2009 , 179, 1944-1959	127
2048	A hybrid vertical mutation and self-adaptation based MOPSO. 2009 , 57, 2030-2038	15
2047	A novel strategy of pareto-optimal solution searching in multi-objective particle swarm optimization (MOPSO). 2009 , 57, 1995-2000	42
2046	The development of a sub-population genetic algorithm II (SPGA II) for multi-objective combinatorial problems. 2009 , 9, 173-181	45
2045	Identification using ANFIS with intelligent hybrid stable learning algorithm approaches and stability analysis of training methods. 2009 , 9, 833-850	104
2044	PSOLDA: A particle swarm optimization approach for enhancing classification accuracy rate of linear discriminant analysis. 2009 , 9, 1008-1015	46
2043	Contrast Enhancement and Intensity Preservation for Gray-Level Images Using Multiobjective Particle Swarm Optimization. 2009 , 6, 145-155	54
2042	Intelligent adaptive backstepping controller design based on the adaptive particle swarm optimization. 2009 ,	
2041	A Multi-objective PSO for job-shop scheduling problems. 2009 ,	5
2040	Evolutionary Multiobjective Optimization in Materials Science and Engineering. 2009 , 24, 119-129	90

2039	Multi-Objective Particle Swarm Optimization for robust optimization and its hybridization with gradient search. 2009,	12
2038	Energy Efficient Layout for a Wireless Sensor Network using Multi-Objective Particle Swarm Optimization. 2009,	11
2037	A Novel Method for Finding Global Best Guide for Multiobjective Particle Swarm Optimization. 2009,	
2036	Advances in Computation and Intelligence. 2009,	2
2035	Multiobjective Genetic Fuzzy Systems. 2009, 131-173	8
2034	A Multiple Objective Particle Swarm Optimization Approach Using Crowding Distance and Roulette Wheel. 2009,	22
2033	An exploratory study of sorting particle swarm optimizer for multiobjective optimization. 2009,	
2032	An Improved Individual Evaluation and Elitism Selection for Distribution Performance of SPEA2. 2009,	
2031	Optimal Generation Portfolio Allocation in Competitive Electricity Market. 2009,	1
2030	A Novel Particle Swarm Optimization Based on the Self-Adaptation Strategy of Acceleration Coefficients. 2009,	3
2029	Multiobjective Power System Optimization Including Security Constraints. 2009,	
2028	A New Hybrid Particle Swarm Optimization Algorithm for Handling Multiobjective Problem Using Fuzzy Clustering Technique. 2009,	10
2027	Design and Realization of Task-Oriented Service Platform for Battlefield Environment Information. 2009,	
2026	An adaptive weight PSO for rolling schedules multi-objective optimization of tandem cold rolling. 2009,	2
2025	Particle swarm optimization for the multi level capacitated minimum spanning tree. 2009,	1
2024	The Bi-objective Problem of Distribution of Oil Products by Pipeline Networks Approached by a Particle Swarm Optimization Algorithm. 2009,	1
2023	Dynamic Multiple Swarms in Multiobjective Particle Swarm Optimization. 2009, 39, 890-911	105
2022	. 2009, 47, 4175-4188	111

2021	Parameter approximate dynamic optimization for PSO systems. 2009,	1
2020	The multiobjective evolutionary algorithm based on determined weight and sub-regional search. 2009,	40
2019	Simultaneous structure discovery and parameter estimation in gene networks using a multi-objective GP-PSO hybrid approach. 2009, 5, 254-68	2
2018	Clustering-based selection for evolutionary multi-objective optimization. 2009,	3
2017	A New Evolutionary Algorithm for Solving Multiobjective Optimization. 2009,	
2016	Swarm-based approximate dynamic optimization process for discrete particle swarm optimization system. 2009, 1, 61	2
2015	A study on the effect of v _{max} in particle swarm optimisation with high dimension. 2009, 1, 210	1
2014	Barebones particle swarm for multi-objective optimisation problems. 2009, 2, 86	5
2013	Hybrid Multi-Objective Particle Swarm Optimization Incooperating SLP for Mechanical System Design(Machine Elements and Manufacturing). 2009, 75, 1161-1170	1
2012	Particle Swarm Optimization-A Survey. 2009, E92-D, 1354-1361	56
2011	References. 539-586	0
2010	Notice of Retraction: Research of intra-organizational knowledge transfer based on dynamic game simulation. 2010,	
2009	An improved hybrid multi-objective parallel genetic algorithm for hybrid flow shop scheduling with unrelated parallel machines. 2010, 49, 1129-1139	44
2008	Particle swarm with equilibrium strategy of selection for multi-objective optimization. 2010, 200, 187-197	27
2007	A competitive and cooperative co-evolutionary approach to multi-objective particle swarm optimization algorithm design. 2010, 202, 42-54	189
2006	Automatically extracting TB fuzzy models using cooperative random learning particle swarm optimization. 2010, 10, 938-944	70
2005	PSO-based back-propagation artificial neural network for product and mold cost estimation of plastic injection molding. 2010, 58, 625-637	53
2004	A diversity preserving selection in multiobjective evolutionary algorithms. 2010, 32, 231-248	10

2003	Multi-objective self-adaptive differential evolution with elitist archive and crowding entropy-based diversity measure. 2010 , 14, 193-209	178
2002	Hybrid immune algorithm with Lamarckian local search for multi-objective optimization. 2010 , 2, 47-67	20
2001	A fuzzy multi-objective particle swarm optimization for effective data clustering. 2010 , 2, 305-312	4
2000	Evaluation of lipase production by genetic algorithm and particle swarm optimization and their comparative study. 2010 , 162, 1350-61	27
1999	Multi-objective optimal approach for injection molding based on surrogate model and particle swarm optimization algorithm. 2010 , 15, 88-93	8
1998	Application of particle swarm optimization and genetic algorithms to multiobjective damage identification inverse problems with modelling errors. 2010 , 45, 723-734	56
1997	Multiobjective particle swarm optimization with nondominated local and global sets. 2010 , 9, 747-766	31
1996	Multidimensional Fitness Function DPSO Algorithm for Analog Test Point Selection. 2010 , 59, 1634-1641	31
1995	A Multiobjective Gaussian Particle Swarm Approach Applied to Electromagnetic Optimization. 2010 , 46, 3289-3292	31
1994	On the use of multi-algorithm, genetically adaptive multi-objective method for multi-site calibration of the SWAT model. 2010 , 24, 955-969	95
1993	Exploratory study of sorting particle swarm optimizer for multiobjective design optimization. 2010 , 52, 1966-1975	14
1992	Environmental/economic power dispatch using a hybrid multi-objective optimization algorithm. 2010 , 32, 607-614	115
1991	Correlation-aware resource service composition and optimal-selection in manufacturing grid. 2010 , 201, 129-143	141
1990	Cyber Swarm Algorithms ¶Improving particle swarm optimization using adaptive memory strategies. 2010 , 201, 377-389	41
1989	A multi-objective PSO for job-shop scheduling problems. 2010 , 37, 1065-1070	95
1988	Multi-objective optimization based on ant colony optimization in grid over optical burst switching networks. 2010 , 37, 1769-1775	16
1987	Activity assigning of fourth party logistics by particle swarm optimization-based preemptive fuzzy integer goal programming. 2010 , 37, 3630-3637	24
1986	A new mechanism for maintaining diversity of Pareto archive in multi-objective optimization. 2010 , 41, 1031-1057	16

1985	Sequential experimental design based on multiobjective optimization procedures. 2010 , 65, 5482-5494	9
1984	A dynamic sky recognition method for use in energy efficient lighting design based on CIE standard general skies. 2010 , 45, 1319-1328	4
1983	Application of a new multi-agent Hybrid Co-evolution based Particle Swarm Optimisation methodology in ship design. 2010 , 42, 1013-1027	20
1982	Multiobjective fuzzy dominance based bacterial foraging algorithm to solve economic emission dispatch problem. 2010 , 35, 4761-4770	91
1981	A novel multiobjective optimization algorithm based on bacterial chemotaxis. 2010 , 23, 292-301	39
1980	Environmental/economic power dispatch problem using multi-objective differential evolution algorithm. 2010 , 80, 1171-1181	168
1979	An improved multi-objective particle swarm optimizer for multi-objective problems. 2010 , 37, 5872-5886	53
1978	Adaptive, convergent, and diversified archiving strategy for multiobjective evolutionary algorithms. 2010 , 37, 8462-8470	4
1977	Multi-objective Optimization Method for Automatic Drilling and Riveting Sequence Planning. 2010 , 23, 734-742	10
1976	Integrated Optimization by Multi-Objective Particle Swarm Optimization. 2010 , 5, 79-81	3
1975	ADAPTIVE RANKS CLONE AND k-NEAREST NEIGHBOR LISTBASED IMMUNE MULTI-OBJECTIVE OPTIMIZATION. 2010 , 26, 359-385	34
1974	A Meta-Heuristic Algorithm for Multi-Objective Optimal Design of Hybrid Laminate Composite Structures. 2010 , 25, 149-170	31
1973	Dividing Genetic Computation Method for Robust Receding Horizon Control Design. 2010 , 2010, 1-10	
1972	Multi-Objective Particle Swarm Optimization using Generalized Data Envelopment Analysis. 2010 , 23, 215-222	1
1971	Constraint Handling in Particle Swarm Optimization. 2010 , 1, 42-63	3
1970	Applying particle swarm optimization in multiobjective optimization and hybrid optimization. 2010 ,	1
1969	Advances in Wireless Networks and Information Systems. 2010 ,	1
1968	Crowding-Distance-Based Multi-objective Particle Swarm Optimization. 2010 , 218-225	3

1967 A Novel Image Fusion Method Based on Particle Swarm Optimization. **2010**, 527-535

1966 Optimization of mobile radioactivity monitoring networks. **2010**, 24, 365-382

28

1965 A weight-based multiobjective immune algorithm: WBMOIA. **2010**, 42, 719-745

9

1964 Data mining using parallel Multi-Objective Evolutionary algorithms on graphics hardware. **2010**,

3

1963 A PSO-based multi-objective optimization approach to the integration of process planning and scheduling. **2010**,

5

1962 Multi-objective adaptive differential evolution algorithm for combinatorial optimisation. **2010**,

1

1961 Hybrid Optimization Strategy for Line Distribution Network. **2010**,

1

1960 Evolving ARTMAP neural networks using Multi-Objective Particle Swarm Optimization. **2010**,

1959 DSMOPSO: A distance sorting based multiobjective particle swarm optimization algorithm. **2010**,

2

1958 Logical circuit gate sizing using PSO guided by Logical Effort [An examination of the 4-stage half adder circuit. **2010**,

0

1957 A Novel Weight Design in Multi-objective Evolutionary Algorithm. **2010**,

18

1956 . **2010**,

8

1955 A hybrid particle swarm optimisation algorithm and fuzzy logic for process planning and production scheduling integration in holonic manufacturing systems. **2010**, 23, 20-39

45

1954 Develop a sub-population Memetic Algorithm for multi-objective scheduling problems. **2010**,

1953 Sub-Population Artificial Immune System for Multi-objective Flowshop Scheduling Problems. **2010**,

1952 Multiobjective Estimation of Distribution Algorithm Combined with PSO for RFID Network Optimization. **2010**,

10

1951 Novel Multiobjective Shuffled Frog Leaping Algorithm with Application to Reservoir Flood Control Operation. **2010**, 136, 217-226

49

1950 Multi-Objective Swarm Intelligent Systems. **2010**,

10

1949	Multi-objective Damage Identification Using Particle Swarm Optimization Techniques. 2010 , 179-207	5
1948	Improved multi-objective particle swarm optimization algorithm for service-workflows scheduling. 2010 ,	
1947	Differential Evolution Inspired Clone Immune Multi-objective Optimization Algorithm. 2010 ,	
1946	Multi-Objective Scheduling for Parallel Jobs on Grid. 2010 , 439-440, 1281-1286	1
1945	Environmentally constrained economic dispatch using Pareto archive particle swarm optimisation. 2010 , 41, 593-605	15
1944	Application of Multi-Objective Particle Swarm Optimization in Operation Management of Reservoirs with Sedimentation Problems. 2010 ,	4
1943	A Multi-Objective Particle Swarm Algorithm for the optimization of IMRT inverse planning. 2010 ,	1
1942	A novel multi-objective compass search. 2010 ,	
1941	Extended individual memory based multi-objective particle swarm optimization. 2010 ,	
1940	Parallelization and Performance Test to Multiple Objective Particle Swarm Optimization Algorithm. 2010 ,	
1939	Optimization of Nonlinear Muskingum Method with Variable Parameters Using Multi-Objective Particle Swarm Optimization. 2010 ,	3
1938	Multi-objective optimization of a switched reluctance motor for light electric traction applications. 2010 ,	4
1937	Computational Systems-Biology and Bioinformatics. 2010 ,	
1936	A Hybrid PSO Algorithm with Transposon for Multiobjective Optimization. 2010 , 76-84	1
1935	On Multi-Objective Evolutionary Algorithms. 2010 , 287-310	11
1934	A Multi-objective Algorithm Based on Discrete PSO for VLSI Partitioning Problem. 2010 , 651-660	2
1933	Comparing PSO and NSGA II for the biobjective Oil Derivatives Distribution Problem. 2010 ,	2
1932	A particle swarm optimizer for constrained multi-objective engineering design problems. 2010 , 42, 907-926	15

1931	Clustering strategy of Wireless Sensor Networks based on improved Discrete Particle Swarm Optimization. 2010,	6
1930	A multiobjective simultaneous learning framework for clustering and classification. 2010, 21, 185-200	36
1929	Pareto Optimal Microwave Filter Design Using Multiobjective Differential Evolution. 2010, 58, 132-144	54
1928	Time-Domain Design of UWB Vivaldi Antenna Array Using Multiobjective Particle Swarm Optimization. 2010, 9, 666-669	43
1927	Advanced MOEPSO-based Multi-objective environmental Economic Load Dispatching. 2010,	2
1926	Time-domain design of UWB Vivaldi antenna array using multi-objective particle swarm optimization. 2010,	3
1925	A multi-objective Artificial Bee Colony for optimizing multi-objective problems. 2010,	25
1924	Handbook of Multicriteria Analysis. 2010,	95
1923	Strength Pareto particle swarm optimization and hybrid EA-PSO for multi-objective optimization. 2010, 18, 127-56	75
1922	Multi-objective particle swarm optimization for construction time-cost tradeoff problems. 2010, 28, 75-88	39
1921	A Multi-objective Gravitational Search Algorithm. 2010,	53
1920	A memetic algorithm for combinatorial problems with multiple objectives. 2010,	
1919	Research on Traffic Organization and Design Parameter of U-turn Intersection in City. 2010,	
1918	Advanced Intelligent Computing Theories and Applications. 2010,	0
1917	Advanced Intelligent Computing Theories and Applications. 2010,	1
1916	. 2010,	12
1915	The Application of Dominant-Recessive Diploid Codes in MOGA. 2010,	
1914	Optimizing filter parameters using Particle Swarm Optimization. 2010,	3

1913	Dynamic Biclustering of Microarray Data with MOPSO. 2010,	4
1912	Feed Formula Optimization Method Based on Multi-Objective Particle Swarm Optimization Algorithm. 2010,	2
1911	Multiobjective Particle Swarm optimizer with dynamic epsilon-dominance sorting. 2010,	
1910	A scalable coevolutionary multi-objective particle swarm optimizer. 2010, 3, 590-600	16
1909	Cosine function applied to the inertia control in the Particle Swarm Optimization. 2010,	
1908	On convergence of multi-objective Particle Swarm Optimizers. 2010,	3
1907	Logical effort using Particle Swarm Optimization algorithm [An examination on the 8-stage full adder circuit. 2010,	
1906	Multi-swarm particle swarm optimization based on mixed search behavior. 2010,	4
1905	Improved select space multi-objective particle swarm optimization. 2010,	1
1904	A Novel Particle Swarm Optimization Algorithm Based on Fuzzy Velocity Updating for Multi-objective Optimization. 2010,	1
1903	Performance evaluation of a PHEV parking station using Particle Swarm Optimization. 2011,	72
1902	Swarm based resource minimization in network coded system?. 2011,	
1901	Evolutionary multi-objective optimization using expected improvement and generalized DEA. 2011,	1
1900	Distribution network reconfiguration considering the random character of wind power generation. 2011,	3
1899	Logical circuit gate sizing using PSO guided by Logical Effort - an examination of the 12-stage ripple carry adder circuit. 2011,	2
1898	A Multi-Objective Crossing Waypoints Location Optimization in Air Route Network. 2011,	1
1897	Simple design of Raman fiber amplifiers using a multi-objective optimizer. 2011,	
1896	Multi-objective Optimization Design for Gradient Stiffness Leaf Spring. 2011,	0

1895	Phase specific optimal treatment for cancer using GA and swarm intelligence. 2011,	
1894	Logical circuit gate sizing using MPSO guided by Logical Effort - An examination of the 4-stage half adder circuit. 2011,	
1893	An [bad forecasting - dispatching]Integration system for multiple boilers in thermal power plants. 2011,	1
1892	An improved multiobjective simultaneous learning framework for designing a classifier. 2011,	1
1891	Multiobjective optimization by Artificial Fish Swarm Algorithm. 2011,	10
1890	A Multi-objective Particle Swarm Optimization for Test Case Selection Based on Functional Requirements Coverage and Execution Effort. 2011,	27
1889	Swarm Intelligent Selection and Optimization of Machining System Parameters for Microchannel Fabrication in Medical Devices. 2011, 26, 403-414	36
1888	Multi-Objective Particle Swarm Optimization using speciation. 2011,	5
1887	Improvement of Time and Frequency Domain Performance of Antipodal Vivaldi Antenna Using Multi-Objective Particle Swarm Optimization. 2011, 59, 1738-1742	61
1886	Multiobjective Particle Swarm Optimization for Optimal Power Flow Problem. 2011, 241-268	7
1885	The Multi-Objective Optimization Design of Leaf Spring of few Piece Variable Cross-Section. 2011, 213, 231-235	
1884	Optimization of tile manufacturing process using particle swarm optimization. 2011, 1, 97-109	58
1883	Multiple Swarms Multi-Objective Particle Swarm Optimization Based on Decomposition. 2011, 15, 3371-3375	19
1882	Two-lbests based multi-objective particle swarm optimizer. 2011, 43, 1-17	93
1881	Hybrid multi-objective optimization with Particle Swarm Optimization and Extremal Optimization for engineering design. 2011,	
1880	Control, Computation and Information Systems. 2011,	1
1879	Knowledge-Based and Intelligent Information and Engineering Systems. 2011,	2
1878	Multi-objective particle swarm optimization with preference-based sorting. 2011,	6

1877	Multi-objective Workflow Grid Scheduling Based on Discrete Particle Swarm Optimization. 2011 , 183-190	13
1876	Logical circuit gate sizing using MPSO guided by Logical Effort - An examination of the 8-stage full adder circuit. 2011 ,	1
1875	A review of recent developments in electrical machine design optimization methods with a permanent magnet synchronous motor benchmark study. 2011 ,	22
1874	Cultural-based multiobjective particle swarm optimization. 2011 , 41, 553-67	81
1873	Recurring two-stage evolutionary programming: a novel approach for numeric optimization. 2011 , 41, 1352-65	11
1872	Research of Biogeography-Based Multi-Objective Evolutionary Algorithm. 2011 , 4, 70-80	4
1871	A New Approach to Associative Classification Based on Binary Multi-objective Particle Swarm Optimization. 2011 , 2, 51-73	11
1870	PARTICLE SWARM OPTIMIZATION OF ANTENNA ARRAYS WITH EFFICIENCY CONSTRAINTS. 2011 , 17, 237-251	12
1869	Evolutionary Computation and Its Applications in Neural and Fuzzy Systems. 2011 , 2011, 1-20	16
1868	Multi-Objective Ant Colony Optimization: A Taxonomy and Review of Approaches. 2011 , 67-94	7
1867	Multi-Objective Particle Swarm Optimization with Dynamic Crowding Entropy-Based Diversity Measure. 2011 , 1, 9-15	
1866	A novel constraint multi-objective artificial physics optimisation algorithm and its convergence. 2011 , 3, 61	9
1865	Comprehensive analysis for modified particle swarm optimisation with PD controllers. 2011 , 5, 579	1
1864	A Multiobjective Particle Swarm Optimizer for Constrained Optimization. 2011 , 2, 1-23	14
1863	SOLVING A NEW BI-OBJECTIVE MODEL FOR A CELL FORMATION PROBLEM CONSIDERING LABOR ALLOCATION BY MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION. 2011 ,	
1862	Some Studies on Particle Swarm Optimization for Single and Multi-Objective Problems. 2011 , 239-304	2
1861	Natural computing for mechanical systems research: A tutorial overview. 2011 , 25, 4-111	185
1860	Orthogonal Learning Particle Swarm Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 832-847	15.6 491

1859	A hybrid multi-objective cultural algorithm for short-term environmental/economic hydrothermal scheduling. 2011 , 52, 2121-2134	60
1858	A novel hybrid charge system search and particle swarm optimization method for multi-objective optimization. 2011 , 38, 15475-15488	49
1857	Multi-objective genetic-based algorithms for a cross-docking scheduling problem. 2011 , 11, 4954-4970	41
1856	Feedback learning particle swarm optimization. 2011 , 11, 4713-4725	68
1855	A multi-objective endocrine PSO algorithm and application. 2011 , 11, 4508-4520	18
1854	A hybrid particle swarm optimization algorithm for high-dimensional problems. 2011 , 61, 1117-1122	56
1853	QoS-Aware Load Balancing in 3GPP Long Term Evolution Multi-Cell Networks. 2011 ,	17
1852	A learning method for dynamic Bayesian network structures using a multi-objective particle swarm optimizer. 2011 , 16, 329-332	5
1851	Solving a bi-objective flowshop scheduling problem by a Multi-objective Immune System and comparing with SPEA2+ and SPGA. 2011 , 42, 772-779	11
1850	Multi-objective optimization for bus body with strength and rollover safety constraints based on surrogate models. 2011 , 44, 431-441	28
1849	A support vector machine-based model for detecting top management fraud. 2011 , 24, 314-321	63
1848	Stochastic PSO-based heat and power dispatch under environmental constraints incorporating CHP and wind power units. 2011 , 81, 209-218	117
1847	On convergence of the multi-objective particle swarm optimizers. 2011 , 181, 1411-1425	61
1846	A new pan-sharpening method using multiobjective particle swarm optimization and the shiftable contourlet transform. 2011 , 66, 365-381	32
1845	DMEA: a direction-based multiobjective evolutionary algorithm. 2011 , 3, 271-285	18
1844	Multi-objective optimization for leaching process using improved two-stage guide PSO algorithm. 2011 , 18, 1200-1210	11
1843	Simple heuristics-based selection of guides for multi-objective PSO with an application to electrical distribution system planning. 2011 , 24, 567-585	23
1842	Constrained Portfolio Selection using Particle Swarm Optimization. 2011 , 38, 8327-8335	77

1841	Multi-objective optimization design of the heating/cooling channels of the steam-heating rapid thermal response mold using particle swarm optimization. 2011 , 50, 790-802	31
1840	Improving the efficiency of ϵ -dominance based grids. 2011 , 181, 3101-3129	8
1839	A hybrid quantum-inspired immune algorithm for multiobjective optimization. 2011 , 217, 4754-4770	27
1838	EMPSO-based optimization for inter-temporal multi-product revenue management under salvage consideration. 2011 , 11, 468-476	4
1837	Multi-objective nature-inspired clustering and classification techniques for image segmentation. 2011 , 11, 3271-3282	50
1836	The cross-entropy method in multi-objective optimisation: An assessment. 2011 , 211, 112-121	39
1835	A multi-objective decision making model for the vendor selection problem in a bifuzzy environment. 2011 , 38, 9684-9695	28
1834	Comparisons of some improving strategies on MOPSO for multi-objective (r,Q) inventory system. 2011 , 38, 12051-12057	39
1833	Handling multi-objective optimization problems with a multi-swarm cooperative particle swarm optimizer. 2011 ,	10
1832	Solving multiobjective optimal reactive power dispatch using modified NSGA-II. 2011 , 33, 219-228	120
1831	Stock trading system based on the multi-objective particle swarm optimization of technical indicators on end-of-day market data. 2011 , 11, 1191-1201	49
1830	Radial basis function network based on time variant multi-objective particle swarm optimization for medical diseases diagnosis. 2011 , 11, 1427-1438	129
1829	GA optimization of Petri net-modeled concurrent service systems. 2011 , 11, 3929-3937	6
1828	An improved particle swarm optimization algorithm for reliability problems. 2011 , 50, 71-81	96
1827	Multiobjective evolutionary algorithms: A survey of the state of the art. 2011 , 1, 32-49	1331
1826	Multiobjective Particle Swarm Optimization with Predatory Escaping Behavior. 2011 ,	1
1825	Applications of Evolutionary Computation. 2011 ,	1
1824	Optimal location and sizing of energy storage modules for a smart electric ship power system. 2011 ,	14

1823	Multiobjective particle swarm optimization based on preference ordering optimality criterion. 2011	
1822	Improved multi-objective evolutionary algorithm for day-ahead thermal generation scheduling. 2011 ,	9
1821	Logical circuit gate sizing using MPSO guided by Logical Effort - an examination of the 12-stage ripple carry adder circuit. 2011 ,	
1820	A memetic particle swarm optimization for constrained multi-objective optimization problems. 2011 ,	8
1819	An evolutionary PageRank approach for journal ranking with expert judgements. 2011 , 37, 254-272	10
1818	Multiobjective Optimization for Nurse Scheduling. 2011 , 66-73	1
1817	Particle Swarm Optimization with Novel Processing Strategy and Its Application. 2011 , 4, 100-111	9
1816	Indicator-based particle swarm optimization with local search. 2011 ,	3
1815	Implementing co-evolution and parallelization in a multi-objective particle swarm optimizer. 2011 , 43, 635-656	7
1814	Particle Swarm Enhanced Graph-Based Channel Estimation for MIMO-OFDM. 2011 ,	3
1813	Scheduling algorithm for distributed station based on particle swarm optimization. 2011 ,	
1812	Manipulator system selection based on evaluation of task completion time and cost. 2011 ,	
1811	A comparison of three population-based optimization techniques for the design of composite sandwich materials. 2011 , 13, 213-235	5
1810	Parallel Computing Platform for Multiobjective Simulation Optimization of Bridge Maintenance Planning. 2012 , 138, 215-226	22
1809	A New Global Guides Selecting Strategy in Pareto Based MOPSO. 2012 , 198-199, 1338-1344	
1808	Optimization of Large Vessels Principal Parameters Based on Hybrid Particle Swarm Optimization Algorithm. 2012 , 253-255, 2172-2175	
1807	Auto-Clustering Algorithm for Heterogeneous Information Network Using Improved Particle Swarm Optimization. 2012 , 239-240, 1448-1455	
1806	ALTERNATIVE METHOD FOR DETERMINING INDUSTRIAL BOND RATINGS: THEORY AND EMPIRICAL EVIDENCE. 2012 , 11, 1215-1235	6

1805	Non-Dominated Sorting Particle Swarm Optimization for Concept Design of Tanker. 2012 , 538-541, 564-567	
1804	Risk-oriented preventive control of transmission lines overload. 2012 ,	4
1803	Dynamic Load Balancing in 3GPP LTE Multi-Cell Fractional Frequency Reuse Networks. 2012 ,	5
1802	Multi-robot cooperative box-pushing problem using multi-objective Particle Swarm Optimization technique. 2012 ,	7
1801	On extending quantum behaved particle swarm optimization to multiobjective context. 2012 ,	5
1800	Nearest neighbor classification of pareto dominance in multi-objective optimization. 2012 ,	0
1799	A multi-objective particle swarm optimizer with distance ranking and its applications to air compressor design optimization. 2012 , 34, 546-556	6
1798	A Nonlinear Multiobjective Bilevel Model for Minimum Cost Network Flow Problem in a Large-Scale Construction Project. 2012 , 2012, 1-40	12
1797	Study on Warship Combat System Design Using DMOPSO Algorithm. 2012 , 482-484, 1963-1968	1
1796	An improved multi-objective differential evolution algorithm. 2012 ,	
1795	Constrained Multi-objective Optimization Using a Quantum Behaved Particle Swarm. 2012 , 456-464	1
1794	Simulation Analysis of a PSO-Based Vehicle Collision Avoidance Method under Cooperative Vehicle Infrastructure Environment. 2012 , 241-244, 1539-1544	
1793	A new mechanism to maintain diversity in multi-objective metaheuristics. 2012 , 61, 823-854	4
1792	Energy Consumption Optimization for High-Speed Railway Based on Particle Swarm Algorithm. 2012 ,	3
1791	Multi-objective location-routing problem of reverse logistics based on GRA with entropy weight. 2012 , 2, 249-258	14
1790	Constraint Handling in Multiobjective Particle Swarm Optimization Incorporating Sensitivity Analysis on Constraint Condition. 2012 , 78, 201-213	
1789	Analytic design of information granulation-based fuzzy radial basis function neural networks with the aid of multiobjective particle swarm optimization. 2012 , 5, 4-35	9
1788	. 2012 ,	2

1787	A new multi objective optimization approach based on TLBO for location of automatic voltage regulators in distribution systems. 2012 , 25, 1577-1588	92
1786	. 2012 ,	10
1785	Optimization and comparison of electrical machines using particle swarm optimization. 2012 ,	12
1784	Multiobjective economic/emission dispatch by multiobjective thetas-particle swarm optimisation. 2012 , 6, 363-377	39
1783	Improved particle swarm optimisation for multi-objective optimal power flow considering the cost, loss, emission and voltage stability index. 2012 , 6, 515	177
1782	An Adaptive Multi-Objective Artificial Bee Colony with crowding distance mechanism. 2012 ,	2
1781	A local multiobjective optimization algorithm using neighborhood field. 2012 , 46, 853-870	14
1780	Adaptive swarm optimization for locating and tracking multiple targets. 2012 , 12, 3656-3670	6
1779	A regularity model-based multiobjective estimation of distribution algorithm with reducing redundant cluster operator. 2012 , 12, 3526-3538	24
1778	A coevolutionary multi-objective PSO algorithm for VLSI floorplanning. 2012 ,	2
1777	Optimization of OFDM systems resources using multi-objective Estimation Distribution Algorithms. 2012 ,	
1776	Combining Meta-Learning with Multi-objective Particle Swarm Algorithms for SVM Parameter Selection: An Experimental Analysis. 2012 ,	4
1775	Experimental study for multi-objective PSO with single objective guide selection. 2012 ,	1
1774	An improved particle swarm optimization for multi-objective discrete optimization. 2012 ,	
1773	Improved Estimation of Water Chlorophyll Concentration With Semisupervised Gaussian Process Regression. 2012 , 50, 2733-2743	25
1772	A Multi-objective Genetic Algorithm Based on Clustering. 2012 ,	2
1771	An Improved Leader Guidance in Multi Objective Particle Swarm Optimization. 2012 ,	2
1770	Multi-Objective Light Ray Optimization. 2012 ,	

1769	Multi-objective optimization using a hybrid differential evolution algorithm. 2012,	
1768	Comprehensive Learning Particle Swarm Optimization for economic load dispatch. 2012,	2
1767	Construction of neural network-based prediction intervals using particle swarm optimization. 2012,	4
1766	PID controller parameters optimization for the main steam temperature system based on immune algorithm-particle swarm optimization. 2012,	
1765	MOEA/D-SQA: a multi-objective memetic algorithm based on decomposition. 2012, 44, 1095-1115	15
1764	Multi-objective optimization and Meta-learning for SVM parameter selection. 2012,	5
1763	. 2012,	54
1762	Crushing analysis and multiobjective crashworthiness optimization of tapered square tubes under oblique impact loading. 2012, 59, 103-119	154
1761	The Application of Improved Clonal Genetic Algorithm in Distributed Generation Planning. 2012,	1
1760	Comparative Analysis of Global Techniques for Performance and Design Optimization of Launchers. 2012, 49, 274-285	12
1759	Compromise point incorporating trade-off ratio in multi-objective optimization. 2012, 12, 1959-1964	9
1758	Multi-Objective Dynamic Construction Site Layout Planning in Fuzzy Random Environment. 2012, 27, 155-169	82
1757	Granular representation and granular computing with fuzzy sets. 2012, 203, 17-32	68
1756	Multi-Objective Optimal SVC Installation for Power System Loading Margin Improvement. 2012, 27, 984-992	59
1755	Economic design of \bar{X} & S control charts based on Taguchi's loss function and its optimization. 2012, 25, 576-586	2
1754	Swarm Intelligence for Sensor Selection Problems. 2012, 12, 2577-2585	18
1753	A multi-objective artificial bee colony algorithm. 2012, 2, 39-52	215
1752	Multi-objective planning of electrical distribution systems incorporating sectionalizing switches and tie-lines using particle swarm optimization. 2012, 3, 15-32	58

1751	Local search based hybrid particle swarm optimization algorithm for multiobjective optimization. 2012 , 3, 1-14	101
1750	Economic and statistical design of and S control charts using an improved multi-objective particle swarm optimisation algorithm. 2012 , 50, 97-117	14
1749	A multi-objective fuzzy adaptive PSO algorithm for location of automatic voltage regulators in radial distribution networks. 2012 , 10, 772-777	10
1748	Multi-hive artificial bee colony algorithm for constrained multi-objective optimization. 2012 ,	8
1747	Improving the optimization performance of NSGA-II algorithm by experiment design methods. 2012 ,	4
1746	Modified Multi-Objective Particle Swarm Optimization Algorithm for Multi-objective Optimization Problems. 2012 , 520-527	
1745	Predicting Pareto Dominance in Multi-objective Optimization Using Pattern Recognition. 2012 ,	4
1744	A New Multi-swarm Multi-objective Particle Swarm Optimization Based on Pareto Front Set. 2012 , 203-210	3
1743	A new multi-objective particle swarm optimization for economic environmental dispatch. 2012 ,	4
1742	A new multi-objective particle swarm optimization for reactive power dispatch. 2012 ,	4
1741	Dynamic Multi-Swarm Particle Swarm Optimization for Multi-objective optimization problems. 2012 ,	11
1740	Combining a multi-objective optimization approach with meta-learning for SVM parameter selection. 2012 ,	7
1739	Handbook of Memetic Algorithms. 2012 ,	128
1738	Fuzzy Enabled Hybrid Genetic AlgorithmParticle Swarm Optimization Approach to Solve TCRO Problems in Construction Project Planning. 2012 , 138, 1065-1074	30
1737	Swarm Intelligence. 2012 , 1599-1622	21
1736	Hyper rectangle search based particle swarm algorithm for dynamic constrained multi-objective optimization problems. 2012 ,	9
1735	An improved generalized differential evolution algorithm for multi-objective reactive power dispatch. 2012 , 44, 391-405	28
1734	Proceedings of the 2011 International Conference on Informatics, Cybernetics, and Computer Engineering (ICCE2011) November 19-20, 2011, Melbourne, Australia. 2012 ,	

1733	Advances in Swarm Intelligence. 2012 ,	3
1732	Conformal Array Pattern Synthesis Using a Hybrid WARP/2LB-MOPSO Algorithm. 2012 , 2012, 1-7	5
1731	Solving multi-mode resource-constrained project scheduling problem using two multi objective evolutionary algorithms. 2012 , 6,	8
1730	Robust multi-objective calibration strategies Possibilities for improving flood forecasting. 2012 , 16, 3579-3606	11
1729	Bi-objective supply chain problem using MOPSO and NSGA-II ,. 2012 , 3, 681-694	7
1728	Constrained Pareto Optimization of Wide Band and Steerable Concentric Ring Arrays. 2012 , 60, 3195-3204	27
1727	Community Detection in Dynamic Social Networks Based on Multiobjective Immune Algorithm. 2012 , 27, 455-467	53
1726	Multi-objective supply chain sourcing strategy design under risk using PSO and simulation. 2012 , 61, 325-337	28
1725	Self-adaptive differential evolution algorithm with ϵ -constrained-domination principle for constrained multi-objective optimization. 2012 , 16, 1353-1372	62
1724	Connectivity constrained wireless sensor deployment using multiobjective evolutionary algorithms and fuzzy decision making. 2012 , 10, 1134-1145	37
1723	A bi-objective model to optimize reliability and cost of system with a choice of redundancy strategies. 2012 , 63, 109-119	93
1722	Solution of combined economic and emission dispatch problems of power systems by an opposition-based harmony search algorithm. 2012 , 39, 9-20	148
1721	A new PSO algorithm with Random C/D Switchings. 2012 , 218, 9579-9593	9
1720	A hybrid multi-objective artificial bee colony algorithm for burdening optimization of copper strip production. 2012 , 36, 2578-2591	50
1719	Energy-efficient clustering in mobile ad-hoc networks using multi-objective particle swarm optimization. 2012 , 12, 1913-1928	104
1718	Diversity Guided Evolutionary Programming: A novel approach for continuous optimization. 2012 , 12, 1693-1707	21
1717	A bare-bones multi-objective particle swarm optimization algorithm for environmental/economic dispatch. 2012 , 192, 213-227	202
1716	A modification to MOEA/D-DE for multiobjective optimization problems with complicated Pareto sets. 2012 , 213, 14-38	55

1715	A new multi-objective reserve constrained combined heat and power dynamic economic emission dispatch. 2012 , 42, 530-545	104
1714	A new ARIMA-based neuro-fuzzy approach and swarm intelligence for time series forecasting. 2012 , 25, 295-308	35
1713	Feedback controlled particle swarm optimization and its application in time-series prediction. 2012 , 39, 8557-8572	6
1712	Multiobjective clustering with metaheuristic: current trends and methods in image segmentation. 2012 , 6, 1	19
1711	Multi-operation management of a typical micro-grids using Particle Swarm Optimization: A comparative study. 2012 , 16, 1268-1281	123
1710	Community detection in networks by using multiobjective evolutionary algorithm with decomposition. 2012 , 391, 4050-4060	169
1709	Multiobjective Exponential Particle Swarm Optimization Approach Applied to Hysteresis Parameters Estimation. 2012 , 48, 283-286	21
1708	Multi-Guider and Cross-Searching Approach in Multi-Objective Particle Swarm Optimization for Electromagnetic Problems. 2012 , 48, 539-542	30
1707	Handling multiple objectives with biogeography-based optimization. 2012 , 9, 30-36	24
1706	A cross-docking scheduling problem with sub-population multi-objective algorithms. 2012 , 58, 741-761	23
1705	Active vibration isolation of machinery and sensitive equipment using H _∞ control criterion and particle swarm optimization method. 2012 , 47, 437-453	27
1704	Performance-based multi-objective optimization of large steel structures. 2012 , 223, 355-369	49
1703	Multi-objective optimization problem for the Thyristor Controlled Series Compensators placement with multiple decision-making approaches. 2013 , 23, 249-269	5
1702	Machining optimization using swarm intelligence in titanium (6Al 4V) alloy. 2013 , 67, 535-544	13
1701	Techno-economical optimization of Reactive Blue 19 removal by combined electrocoagulation/coagulation process through MOPSO using RSM and ANFIS models. 2013 , 128, 798-806	51
1700	Attributed multi-objective comprehensive learning particle swarm optimization for optimal security of networks. 2013 , 13, 3903-3921	22
1699	Identification of multi-resolution network structures with multi-objective immune algorithm. 2013 , 13, 1705-1717	33
1698	Machine selection and initial design of an aerospace starter/generator. 2013 ,	5

1697	MULTIOBJECTIVE PARTICLE SWARM OPTIMIZATION BASED ON DIMENSIONAL UPDATE. 2013 , 22, 1350015	2
1696	Multi-Objective Continuous-Ant-Colony-Optimized FC for Robot Wall-Following Control. 2013 , 8, 28-40	38
1695	Reserve Constrained Dynamic Environmental/Economic Dispatch: A New Multiobjective Self-Adaptive Learning Bat Algorithm. 2013 , 7, 763-776	57
1694	System reliability theory based multiple-objective optimization model for construction projects. 2013 , 31, 54-64	14
1693	Particle Swarm Optimizer for constrained optimization. 2013 ,	4
1692	Automatic calibration of a rapid flood spreading model using multiobjective optimisations. 2013 , 17, 713-724	8
1691	Proceedings of the International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA). 2013 ,	2
1690	Multiobjective Calibration of Reservoir Water Quality Modeling Using Multiobjective Particle Swarm Optimization (MOPSO). 2013 , 27, 1931-1947	50
1689	Fast algorithms for designing nearly optimal lookup tables for complexity control of the H.264 encoder. 2013 , 7, 991-1003	4
1688	Non-dominated sorting quantum particle swarm optimization and its application in cognitive radio spectrum allocation. 2013 , 20, 1878-1888	9
1687	Optimal placement and sizing of plug in electric vehicles charging stations within distribution networks with high penetration of photovoltaic panels. 2013 , 5, 053126	38
1686	Adaptive multi-objective distribution network reconfiguration using multi-objective discrete particles swarm optimisation algorithm and graph theory. 2013 , 7, 1367-1382	69
1685	Multiobjective Optimization for the Asset Allocation of European Nonlife Insurance Companies. 2013 , 20, 97-108	3
1684	Multi-objective optimization using teaching-learning-based optimization algorithm. 2013 , 26, 1291-1300	81
1683	Portfolio optimization using improved artificial bee colony approach. 2013 ,	6
1682	Hybrid Predictive Control: Mono-objective and Multi-objective Design. 2013 , 21-43	
1681	Parameter estimation of a pressure swing adsorption model for air separation using multi-objective optimisation and support vector regression model. 2013 , 40, 4496-4502	22
1680	Massively Parallel Evolutionary Computation on GPGPUs. 2013 ,	24

1679	Smart micro-grid optimization with controllable loads using particle swarm optimization. 2013,	8
1678	Intelligent Data Engineering and Automated Learning IDEAL 2013. 2013,	2
1677	An improved artificial immune system for seeking the Pareto front of land-use allocation problem in large areas. 2013, 27, 922-946	66
1676	Multiobjective Operation Optimization of Naphtha Pyrolysis Process Using Parallel Differential Evolution. 2013, 52, 14415-14428	32
1675	Multiagent Coordination Optimization: A control-theoretic perspective of swarm intelligence algorithms. 2013,	12
1674	Genetic Algorithm based multiuser detection in DS-CDMA: A comparative analysis. 2013,	1
1673	Optimal power scheduling of distributed resources in Smart Grid. 2013,	2
1672	Sparse representation-based color visualization method for hyperspectral imaging. 2013, 10, 210-221	3
1671	A multi-objective particle swarm optimization for dual-resource constrained shop scheduling with resource flexibility. 2013,	4
1670	A new many-objective evolutionary algorithm based on self-adaptive differential evolution. 2013,	2
1669	Cooperative particle swarm optimization for multiobjective transportation planning. 2013, 39, 202-216	49
1668	Multi-objective particle swarm optimization algorithm and its application to the fuzzy rule based classifier design problem with the order based semantics of linguistic terms. 2013,	
1667	Optimal formation of robots by convex hull and particle swarm optimization. 2013,	3
1666	Group Counseling Optimization for multi-objective functions. 2013,	4
1665	Self-adaptive root growth model for constrained multi-objective optimization. 2013,	
1664	A novel particle swarm optimization algorithm with local search for dynamic constrained multi-objective optimization problems. 2013,	9
1663	. 2013,	
1662	Muti-objective evolutionary approach of ligand design for protein-ligand docking problem. 2013,	3

1661	Density estimation for selecting leaders and mantaining archive in MOPSO. 2013,		
1660	A comparative performance evaluation of evolutionary algorithms for optimal design of three-phase induction motor. 2013,		1
1659	Multiobjective optimization for empty and foam-filled square columns under oblique impact loading. 2013, 54, 177-191		125
1658	BSTBGA: A hybrid genetic algorithm for constrained multi-objective optimization problems. 2013, 40, 282-302		23
1657	Robust Design of Power System Controllers Based on Optimization of Pseudospectral Functions. 2013, 28, 1756-1765		15
1656	Dynamic multi-objective evolution of classifier ensembles for video face recognition. 2013, 13, 3149-3166		13
1655	Hybrid shuffled frog leaping optimisation algorithm for multi-objective optimal design of laminate composites. 2013, 125, 200-216		14
1654	Optimization of p-xylene oxidation reaction process based on self-adaptive multi-objective differential evolution. 2013, 127, 55-62		18
1653	Optimizing a bi-objective multi-product EPQ model with defective items, rework and limited orders: NSGA-II and MOPSO algorithms. 2013, 32, 764-770		31
1652	MOEA/D + uniform design: A new version of MOEA/D for optimization problems with many objectives. 2013, 40, 1648-1660		115
1651	Multiple Populations for Multiple Objectives: A Coevolutionary Technique for Solving Multiobjective Optimization Problems. 2013, 43, 445-63		300
1650	The sensitivity of multi-objective optimization algorithm performance to objective function evaluation budgets. 2013,		3
1649	Comparing particle swarm optimization variants for a cognitive radio network. 2013, 13, 1222-1234		9
1648	A preferential digital optical correlator optimized by particle swarm technique for multi-class face recognition. 2013, 50, 33-42		7
1647	Static and dynamic minimum energy broadcast problem in wireless ad-hoc networks: A PSO-based approach and analysis. 2013, 13, 4786-4801		7
1646	A Hybrid Multiobjective Evolutionary Algorithm for Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation,</i> 2013, 17, 20-45	15.6	146
1645	A new multi-objective particle swarm optimization method for solving reliability redundancy allocation problems. 2013, 111, 58-75		131
1644	Multiobjective Particle Swarm Optimization With Preference-Based Sort and Its Application to Path Following Footstep Optimization for Humanoid Robots. <i>IEEE Transactions on Evolutionary Computation,</i> 2013, 17, 755-766	15.6	65

1643	Memetic multiobjective particle swarm optimization-based radial basis function network for classification problems. 2013 , 239, 165-190	45
1642	Utilizing expected improvement and generalized data envelopment analysis in multi-objective genetic algorithms. 2013 , 57, 367-384	2
1641	A bi-objective optimization of supply chain design and distribution operations using non-dominated sorting algorithm: A case study. 2013 , 40, 5730-5739	24
1640	Automatic clustering algorithm based on multi-objective Immunized PSO to classify actions of 3D human models. 2013 , 26, 1429-1441	55
1639	Multiobjective reliability-based optimization for design of a vehicledoor. 2013 , 67, 13-21	93
1638	A multi-objective artificial physics optimization algorithm based on ranks of individuals. 2013 , 17, 939-952	5
1637	Postoptimality Pareto-Robustness Analysis of an Earth-Observation Satellite Mission. 2013 , 50, 884-895	1
1636	A novel multi-objective particle swarm optimization with K-means based global best selection strategy. 2013 , 6, 822-835	12
1635	A new multi-objective for environmental and economic management of Volt/Var Control considering renewable energy resources. 2013 , 55, 236-252	41
1634	Robot path planning in uncertain environment using multi-objective particle swarm optimization. 2013 , 103, 172-185	236
1633	Optimal Surge Arrester Parameter Estimation Using a PSO-Based Multiobjective Approach. 2013 , 28, 1758-1769	9
1632	A new multi-swarm multi-objective optimization method for structural design. 2013 , 58, 54-69	28
1631	Automatic calibration of HEC-HMS using single-objective and multi-objective PSO algorithms. 2013 , 27, 4028-4042	47
1630	A Review of Recent Developments in Electrical Machine Design Optimization Methods With a Permanent-Magnet Synchronous Motor Benchmark Study. 2013 , 49, 1268-1275	165
1629	Daily hydrothermal scheduling with economic emission using simulated annealing technique based multi-objective cultural differential evolution approach. 2013 , 50, 24-37	44
1628	A novel approach to multi-objective optimal power flow by a new hybrid optimization algorithm considering generator constraints and multi-fuel type. 2013 , 49, 119-136	96
1627	The engineering design and optimization of main circuit for hybrid active power filter. 2013 , 46, 40-48	6
1626	Multiobjective Optimization of Experimental and Simulated Residual Stresses in Turning of Nickel-Alloy IN100. 2013 , 28, 835-841	37

1625	A Healer Reinforcement Approach to Smart Grids by Improving Fault Location Function in FLISR. 2013,	10
1624	A new optimization approach for nozzle selection and component allocation in multi-head beam-type SMD placement machines. 2013, 32, 700-714	21
1623	Particle swarm optimization based secure QoS clustering for mobile ad hoc network. 2013,	4
1622	Genetic swarm based robust image watermarking. 2013,	0
1621	A multi-objective particle swarm optimization based threshold approach for skin color detection. 2013,	
1620	Game Optimization Theory and Application in Distribution System Expansion Planning, Including Distributed Generation. 2013, 6, 1101-1124	23
1619	A Multi-Objective PSO Algorithm Based Niche Technique for Service-Workflows Scheduling. 2013, 811, 487-494	1
1618	Application of Multiple Objective Particle Swarm Optimisation in the Design of Damaged Offshore Mooring Systems. 2013, 569-570, 1257-1264	1
1617	Clarification of the rational solution obtained from game theory in multipurposed optimisation problem. 2013, 43, 3-11	
1616	Optimization Control for Dynamic Thermal Comfort in an Intelligent Inhabitation Environment. 2013, 816-817, 371-374	
1615	Lattice study for the HLS-II storage ring. 2013, 37, 047004	5
1614	Fingerprint Identification Based on Mopso in SVM. 2013, 479-480, 810-817	
1613	EDA-Based Multi-objective Optimization Using Preference Order Ranking and Multivariate Gaussian Copula. 2013, 341-350	2
1612	Multi-Objective Technologic Parameter Optimization of Face Milling Based on GRA-PSO Algorithm. 2013, 364, 504-508	1
1611	Applying Swarm Intelligence to Design the Reconfigurable Flow Lines. 2013, 12, 17-26	10
1610	Approximation Model Guided Selection for Evolutionary Multiobjective Optimization. 2013, 398-412	7
1609	Computational intelligence and safe reduction of test suite. 2013,	2
1608	Challenges of Dynamic Multi-objective Optimisation. 2013,	1

1607	Two decomposition-based modern metaheuristic algorithms for multi-objective optimization [A comparative study. 2013 ,	0
1606	Comparison of multi-objective optimization approaches for distribution system reconfiguration. 2013 ,	2
1605	A constrained multiobjective evolutionary algorithm based decomposition and temporary register. 2013 ,	9
1604	Multi-Objective Coverage Algorithm for WSN Based on Particle Swarm Optimization. 2013 , 765-767, 508-513	1
1603	A numerical gradient based technique and directed neighborhood structure for Constrained Particle Swarm Optimization. 2013 ,	1
1602	DEMO-TDQL: An adaptive multi-objective optimization algorithm. 2013 ,	
1601	A multiobjective particle swarm optimization algorithm for load scheduling in electric smelting furnaces. 2013 ,	
1600	Multi-objective opposition-based learning fully informed particle swarm optimizer with favour ranking. 2013 ,	2
1599	Accounting for system-level controls during early-stage design. 2013 ,	
1598	On Solving Complex Optimization Problems with Objective Decomposition. 2013 ,	3
1597	A Hybrid Technique Using Multi-objective Particle Swarm Optimization and Random Forests for PROBE Attacks Detection in a Network. 2013 ,	11
1596	A new niching method for the direction-based multi-objective evolutionary algorithm. 2013 ,	2
1595	Selection of manipulator system for multiple-goal task by evaluating task completion time and cost with computational time constraints. 2013 , 27, 233-245	10
1594	Retrieve properties of participating media by different spans of radiative signals using the SPSO algorithm. 2013 , 21, 888-915	5
1593	A novel strategy for plant breeding based on simulations of gene network models. 2013 , 9, 517-33	
1592	Multiobjective particle swarm optimization for a novel fuzzy portfolio selection problem. 2013 , 8, 146-154	13
1591	Parameter Estimation in Phase Equilibria Calculations Using Multi-Objective Evolutionary Algorithms. 2013 , 247-265	1
1590	Multiobjective Optimization Using Cross-Entropy Approach. 2013 , 2013, 1-9	3

1589	Improving Vector Evaluated Particle Swarm Optimisation by incorporating nondominated solutions. 2013 , 2013, 510763	7
1588	VIDEO CODING TECHNIQUE USING 3D DUALTREE DISCRETE WAVELET TRANSFORM WITH MULTI OBJECTIVE PARTICLE SWARM OPTIMIZATION APPROACHES. 2013 , 10, 179-184	1
1587	Multiobjective memetic estimation of distribution algorithm based on an incremental tournament local searcher. 2014 , 2014, 836272	
1586	3D Pattern Synthesis of Time-Modulated Conformal Arrays with a Multiobjective Optimization Approach. 2014 , 2014, 1-12	5
1585	Improving vector evaluated particle swarm optimisation using multiple nondominated leaders. 2014 , 2014, 364179	3
1584	An analysis of the optimal multiobjective inventory clustering decision with small quantity and great variety inventory by applying a DPSO. 2014 , 2014, 805879	2
1583	Multi-item multiperiodic inventory control problem with variable demand and discounts: a particle swarm optimization algorithm. 2014 , 2014, 136047	13
1582	Decomposition-based multiobjective evolutionary algorithm for community detection in dynamic social networks. 2014 , 2014, 402345	16
1581	A multi-objective improved teaching-learning based optimization algorithm for unconstrained and constrained optimization problems. 2014 , 1-22	15
1580	Research of service selection algorithm for net-centric simulation task community. 2014 , 05, 1450006	
1579	A REGION DECOMPOSITION-BASED MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION ALGORITHM. 2014 , 28, 1459009	7
1578	MOPSOhv: A new hypervolume-based multi-objective particle swarm optimizer. 2014 ,	16
1577	Improved multi-objective artificial bee colony algorithm for optimal power flow problem. 2014 , 21, 4220-4227	9
1576	DMOPSO: Dual multi-objective particle swarm optimization. 2014 ,	2
1575	A comparison study of binary multi-objective Particle Swarm Optimization approaches for test case selection. 2014 ,	6
1574	Low-Complexity Load Balancing with a Self-Organized Intelligent Distributed Antenna System. 2014 , 79, 969-985	
1573	. 2014 , 62, 5880-5885	37
1572	A memetic algorithm based on Immune multi-objective optimization for flexible job-shop scheduling problems. 2014 ,	8

1571	HMOEDA_LLE: A hybrid multi-objective estimation of distribution algorithm combining locally linear embedding. 2014,	4
1570	Uncertainty Management in Differential Evolution Induced Multiobjective Optimization in Presence of Measurement Noise. 2014, 44, 922-937	59
1569	Damage-based optimization of large-scale steel structures. 2014, 7, 1119-1139	9
1568	Life-cycle cost optimization of steel moment-frame structures: performance-based seismic design approach. 2014, 7, 271-294	16
1567	An Improved Particle Swarm Optimization Algorithm for Dynamic Power Allocation Problem. 2014, 687-691, 1380-1384	
1566	Asteroid Rendezvous Mission Design Using Multiobjective Particle Swarm Optimization. 2014, 2014, 1-13	2
1565	Optimization controller design of CACZVS three phase PFC converter using particle swarm optimization. 2014,	2
1564	MULTI-OBJECTIVE PARTICLE SWARM OPTIMIZATION FOR REPAIRING INCONSISTENT COMPARISON MATRICES. 2014, 36,	5
1563	A Global-Crowding-Distance Based Multi-objective Particle Swarm Optimization Algorithm. 2014,	1
1562	A Better Case Adaptation Method for Case-Based Effort Estimation Using Multi-objective Optimization. 2014,	3
1561	Consensus analysis for a class of stochastic PSO algorithm. 2014, 23, 567-578	10
1560	A new joint spectral radius analysis of random PSO algorithm. 2014, 7, 1022-1043	1
1559	Applications of computational intelligence to mechanical engineering. 2014,	6
1558	Improving constraint handling for multiobjective particle swarm optimization. 2014,	2
1557	A learning-guided multi-objective evolutionary algorithm for constrained portfolio optimization. 2014, 24, 757-772	102
1556	Handling Multiple Objectives with Integration of Particle Swarm Optimization and Extremal Optimization. 2014, 287-297	3
1555	A new two-stages PSO algorithm for railway trajectory planning on GIS system. 2014,	1
1554	Comparison of multiobjective particle swarm optimization and evolutionary algorithms for optimal reactive power dispatch problem. 2014,	4

1553	An Approach to Continuous Approximation of Pareto Front Using Geometric Support Vector Regression for Multi-objective Optimization of Fermentation Process. 2014 , 22, 1131-1140	2
1552	An improved quantum-behaved particle swarm optimization algorithm based on linear interpolation. 2014 ,	6
1551	Solving multiobjective optimal reactive power dispatch using improved multiobjective particle swarm optimization. 2014 ,	1
1550	Multi-objective Comprehensive Learning Particle Swarm Optimization based on summation of normalized objectives and diversified selection. 2014 ,	
1549	Fingerprint Recognition by Multi-objective Optimization PSO Hybrid with SVM. 2014 , 12, 1014-1024	5
1548	4E analysis and multi-objective optimization of CCHP using MOPSOA. 2014 , 228, 43-60	22
1547	Application of Hybrid MOPSO Algorithm to Optimal Reactive Power Dispatch Problem Considering Voltage Stability. 2014 , 2014, 1-12	5
1546	Multi-Objective Particle Swarm Optimization with Comparison Scheme and New Pareto-Optimal Search Strategy. 2014 , 496-500, 1895-1900	
1545	Reducing solid particle erosion of an axial fan with sweep and lean using multidisciplinary design optimization. 2014 , 228, 2584-2603	4
1544	DOPGA: a new fitness assignment scheme for multi-objective evolutionary algorithms. 2014 , 45, 407-426	3
1543	Quantum particle swarm algorithm for Many-objective optimization problem. 2014 ,	
1542	Improved multiobjective particle swarm optimization for designing PID controllers applied to robotic manipulator. 2014 ,	4
1541	A Multi-swarm Multi-objective Optimization Method for Structural Design. 2014 , 393-426	
1540	An asynchronous MOPSO for multi-objective optimization problem. 2014 ,	
1539	Using Multiple Objective Optimization for SAGD Simulation Numerical Tuning. 2014 ,	1
1538	Optimal Tuning of Decentralized PI Controller of Nonlinear Multivariable Process Using Archival Based Multiobjective Particle Swarm Optimization. 2014 , 2014, 1-16	3
1537	Multiobjective Particle Swarm Optimization of a Planing Craft with Uncertainty. 2014 , 30, 194-200	2
1536	A Hybrid Binary Multi-objective Particle Swarm Optimization with Local Search for Test Case Selection. 2014 ,	10

1535	Application of a multi objective multi-leader particle swarm optimization algorithm on NLP and MINLP problems. 2014 , 60, 57-75	26
1534	A comparative performance assessment of a set of multiobjective algorithms for constrained portfolio assets selection. 2014 , 16, 38-51	33
1533	Cooperative artificial bee colony algorithm for multi-objective RFID network planning. 2014 , 42, 143-162	78
1532	A continuous bi-level model for the expansion of highway networks. 2014 , 41, 262-276	31
1531	The crowd framework for multiobjective particle swarm optimization. 2014 , 42, 1095-1138	
1530	Biologically inspired probabilistic coverage for mobile sensor networks. 2014 , 18, 2313-2322	6
1529	Multi-objective workflow grid scheduling using (varepsilon)-fuzzy dominance sort based discrete particle swarm optimization. 2014 , 68, 709-732	63
1528	DMEA-II: the direction-based multi-objective evolutionary algorithm-II. 2014 , 18, 2119-2134	10
1527	A Multiobjective Particle Swarm Optimization for Sizing and Placement of DGs from DG Owner's and Distribution Company's Viewpoints. 2014 , 29, 1831-1840	169
1526	On a novel multi-swarm fruit fly optimization algorithm and its application. 2014 , 233, 260-271	99
1525	Thermal-economic multi-objective optimization of shell and tube heat exchanger using particle swarm optimization (PSO). 2014 , 50, 1375-1384	26
1524	Designing fuzzy logic controllers for DCDC converters using multi-objective particle swarm optimization. 2014 , 112, 74-83	26
1523	A survey on nature inspired metaheuristic algorithms for partitional clustering. 2014 , 16, 1-18	330
1522	CLPS-GA: A case library and Pareto solution-based hybrid genetic algorithm for energy-aware cloud service scheduling. 2014 , 19, 264-279	122
1521	Multi objective particle swarm optimization algorithm for the design of efficient ATO speed profiles in metro lines. 2014 , 29, 43-53	84
1520	Multi-objective optimization of short-term hydrothermal scheduling using non-dominated sorting gravitational search algorithm with chaotic mutation. 2014 , 81, 504-519	72
1519	In-cluster vector evaluated particle swarm optimization for distributed regression in WSNs. 2014 , 42, 80-91	8
1518	Particle swarm optimization for construction of neural network-based prediction intervals. 2014 , 127, 172-180	75

1517	Multi-objective probabilistic reactive power and voltage control with wind site correlations. 2014 , 66, 810-822	37
1516	Meaning of the Rational Solution Obtained by Game Theory in a Multi-Objective Electromagnetic Apparatus Design Problem. 2014 , 50, 649-652	2
1515	Multi-Objective Optimization. 2014 , 197-211	13
1514	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
1513	A practical approach for solving multi-objective reliability redundancy allocation problems using extended bare-bones particle swarm optimization. 2014 , 127, 65-76	47
1512	Multi-objective reactive power optimization strategy for distribution system with penetration of distributed generation. 2014 , 62, 221-228	23
1511	Thermodynamic design of Stirling engine using multi-objective particle swarm optimization algorithm. 2014 , 84, 88-96	57
1510	. 2014 , 10, 1012-1022	26
1509	Optimal Groundwater Management Using Multiobjective Particle Swarm with a New Evolution Strategy. 2014 , 19, 1141-1149	7
1508	Two-echelon multiple-vehicle location routing problem with time windows for optimization of sustainable supply chain network of perishable food. 2014 , 152, 9-28	349
1507	Multi-objective decision-making supporting system of maintenance strategies for deteriorating reinforced concrete buildings. 2014 , 39, 15-31	23
1506	Using SVC to Economically Improve Transient Stability in Long Transmission Lines. 2014 , 60, 319-327	14
1505	An augmented multi-objective particle swarm optimizer for building cluster operation decisions. 2014 , 25, 347-359	29
1504	Integrated low-carbon distribution system for the demand side of a product distribution supply chain: a DoE-guided MOPSO optimiser-based solution approach. 2014 , 52, 3074-3096	55
1503	A new strategy for finding good local guides in MOPSO. 2014 ,	17
1502	Paracontracting Multiagent Coordination Optimization: Convergence and parallelization. 2014 ,	1
1501	Extension of the Method of Musical Composition for the Treatment of Multi-objective Optimization Problems. 2014 , 38-49	
1500	Nature-Inspired Computation and Machine Learning. 2014 ,	2

1499	A dynamic MOPSO algorithm for multiobjective optimal design of hybrid renewable energy systems. 2014 , 38, 1949-1963	33
1498	Multi-objective artificial bee colony algorithm for simultaneous sequencing and balancing of mixed model assembly line. 2014 , 75, 1809-1827	38
1497	Optimal firing planning on high efficient car via PSO algorithm. 2014 ,	
1496	An improved particle swarm optimisation with a linearly decreasing disturbance term for flow shop scheduling with limited buffers. 2014 , 27, 488-499	20
1495	Biobjective planning of GEO debris removal mission with multiple servicing spacecrafts. 2014 , 105, 311-320	27
1494	A cooperative spectrum sensing scheme using multiobjective hybrid IWO/PSO algorithm in cognitive radio networks. 2014 ,	1
1493	Multi-objective optimization of accommodating distributed generation considering power loss, power quality, and system stability. 2014 , 31, 146-154	2
1492	A new hybrid evolutionary based RBF networks method for forecasting time series: A case study of forecasting emergency supply demand time series. 2014 , 36, 204-214	47
1491	Improving Transient Stability with Multi-objective Allocation and Parameter Setting of SVC in a Multi-machine Power System. 2014 , 60, 33-41	18
1490	Coordinating and Evaluating of Multiple Key Performance Indicators for Manufacturing Equipment: Case Study of Distillation Column. 2014 , 22, 805-811	6
1489	Robust design of multimachine power system stabilizers using multi-objective PSO algorithm. 2014 ,	2
1488	Pareto based artificial bee colony algorithm for multi objective single model assembly line balancing with uncertain task times. 2014 , 76, 1-15	29
1487	Multi-objective optimal thyristor controlled series compensator installation strategy for transmission system loadability enhancement. 2014 , 8, 552-562	7
1486	Multi-objective differential evolution algorithm based on fast sorting and a novel constraints handling technique. 2014 ,	3
1485	Optimisation of non-uniform time-modulated conformal arrays using an improved non-dominated sorting genetic-II algorithm. 2014 , 8, 287-294	9
1484	Advances in Swarm Intelligence. 2014 ,	1
1483	Application of multi-objective PSO algorithm for static reactive power dispatch. 2014 ,	2
1482	A multi-objective artificial bee colony algorithm based on division of the searching space. 2014 , 41, 987-1011	17

1481	Optimal placement of distributed generation units in distribution systems via an enhanced multi-objective particle swarm optimization algorithm. 2014 , 15, 300-311	18
1480	Multi-objective particle swarm and genetic algorithm for the optimization of the LANSCE linac operation. 2014 , 741, 124-129	23
1479	Multi-hive bee foraging algorithm for multi-objective optimal power flow considering the cost, loss, and emission. 2014 , 60, 203-220	28
1478	Thermo-economic and environmental optimization of solar assisted heat pump by using multi-objective particle swam algorithm. 2014 , 72, 680-690	53
1477	Choice of Detection Parameters on Fault Detection in Wireless Sensor Networks: A Multiobjective Optimization Approach. 2014 , 78, 649-669	14
1476	Layout problem of multi-component systems arising for improving maintainability. 2014 , 21, 1833-1841	6
1475	Multiobjective particle swarm optimization without the personal best. 2014 , 19, 155-159	
1474	Applying rough random MODM model to resource-constrained project scheduling problem: A case study of Pubugou Hydropower Project in China. 2014 , 18, 1279-1291	4
1473	Combined power management/design optimization for a fuel cell/battery plug-in hybrid electric vehicle using multi-objective particle swarm optimization. 2014 , 15, 645-654	32
1472	A Novel Sensor Deployment Approach Using Multi-Objective Imperialist Competitive Algorithm in Wireless Sensor Networks. 2014 , 39, 4637-4650	8
1471	Multifurnace Optimization in Electric Smelting Plants by Load Scheduling and Control. 2014 , 11, 850-862	10
1470	A Multi-Level Optimization Method Using PSO for the Optimal Design of an L-Shaped Folded Monopole Antenna Array. 2014 , 62, 206-215	17
1469	An integrated cultural particle swarm algorithm for multi-objective reliability-based design optimization. 2014 , 228, 1185-1196	10
1468	Probabilistic economic/environmental power dispatch of power system integrating renewable energy sources. 2014 , 8, 181-190	9
1467	Resource allocation model and double-sphere crowding distance for evolutionary multi-objective optimization. 2014 , 234, 197-208	13
1466	Performance evaluation of optimal PI controller for ALSTOM gasifier during coal quality variations. 2014 , 24, 27-36	10
1465	Fuzzy bi-objective formulation for a parallel machine scheduling problem with machine eligibility restrictions and sequence-dependent setup times. 2014 , 52, 5799-5822	10
1464	Parametric analysis and multiobjective optimization for functionally graded foam-filled thin-wall tube under lateral impact. 2014 , 90, 265-275	110

1463	On the development and performance evaluation of a multiobjective GA-based RBF adaptive model for the prediction of stock indices. 2014 , 26, 319-331	6
1462	Identification of intermediate debonding damage in FRP-plated RC beams based on multi-objective particle swarm optimization without updated baseline model. 2014 , 62, 205-217	12
1461	Complex Network Clustering by Multiobjective Discrete Particle Swarm Optimization Based on Decomposition. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 82-97	15.6 262
1460	Fault Indicator Deployment in Distribution Systems Considering Available Control and Protection Devices: A Multi-Objective Formulation Approach. 2014 , 29, 2359-2369	48
1459	Empirical Modeling of Residual Stress Profile in Machining Nickel-based Superalloys Using the Sinusoidal Decay Function. 2014 , 13, 365-370	30
1458	Adaptive multiple evolutionary algorithms search for multi-objective optimal reactive power dispatch. 2014 , 24, 780-795	13
1457	Heterogenous QoS-guaranteed load balancing in 3GPP LTE multicell fractional frequency reuse network. 2014 , 25, 1169-1183	9
1456	Fixed structure constrained preview control design using enhanced PSO approach. 2014 , 4, 120	
1455	Interactions among Overlays and Traffic Engineering: Equilibrium and Cooperation without Payment. 2014 ,	
1454	Simulation platform for robust control design using classical and evolutionary algorithms. 2014 ,	
1453	Multi-objective optimal power management in microgrids: A comparative study. 2015 ,	
1452	A guided multiobjective genetic algorithm for decision making problems. 2015 ,	
1451	Chaos Multi-objective Particle Swarm Optimization Based on Efficient Non-dominated Sorting. 2015 , 683-695	
1450	Clear and smooth path planning. 2015 , 32, 568-579	43
1449	Handling smart-grid with a multi-objective Particle Swarm Optimization algorithm. 2015 ,	0
1448	Multi-objective Optimal Operation of Cascaded Hydropower Stations Based on MOPSO with Bacteria Quorum Sensing Inspired Turbulence Mechanism. 2015 , 63-74	
1447	Multiobjective particle swarm inversion algorithm for two-dimensional magnetic data. 2015 , 12, 127-136	13
1446	Design optimization for cogging torque mitigation in brushless DC motor using multi-objective particle swarm optimization algorithm. 2015 , 34, 1302-1318	6

1445	Thickness profile design of airborne radomes with thickness control. 2015,	3
1444	Differential Search Algorithm for Multiobjective Problems. 2015, 48, 22-28	12
1443	Grating lobe and sidelobe suppression using Multi-Objective Optimization Techniques. 2015,	1
1442	Dynamic crashing behavior of new extrudable multi-cell tubes with a functionally graded thickness. 2015, 103, 63-73	148
1441	An enhanced multiobjective particle swarm optimization algorithm for economic environmental dispatch problem. 2015,	
1440	Hybrid Particle Swarm Optimization with a Modified Arithmetical Crossover for Solving Unconstrained Optimization Problems. 2015, 53, 125-141	3
1439	A hybrid particle swarm optimization and harmony search algorithm approach for multi-objective test case selection. 2015, 21,	6
1438	Multi-objective particle swarm optimization with preference information and its application in electric arc furnace steelmaking process. 2015, 52, 1013-1022	2
1437	Interactions among Overlays and Traffic Engineering: Equilibrium and Cooperation without Payment. 2015,	
1436	Hybrid Learning Algorithm Based Modified Particle Swarm Clustering for RBF Neural Network. 2015,	1
1435	Multi-objective particle swarm optimization based reactive power coordination control strategy for wind farms. 2015,	
1434	Kinetic Modeling of Vacuum Residue Thermal Cracking in the Visbreaking Process Using Multiobjective Optimization. 2015, 3, 758-767	10
1433	Synthesis of aperiodic linear antenna array using multi-objective cat swarm optimization. 2015,	0
1432	Weapon target assignment problem: multi-objective formulation, optimisation using MOPSO and TOPSIS. 2015, 5, 226	0
1431	Pareto-Ranking Based Quantum-Behaved Particle Swarm Optimization for Multiobjective Optimization. 2015, 2015, 1-10	6
1430	An Adaptive Multi-Objective Differential Evolution Algorithm for Solving Chemical Dynamic Optimization Problems. 2015, 821-826	3
1429	Eigenvalue Assignments in Multimachine Power Systems using Multi-Objective PSO Algorithm. 2015, 4, 33-48	3
1428	Multi Objective Particle Swarm Optimization (MOPSO) for Size and Shape Optimization of 2D Truss Structures. 2015, 59, 9-14	16

1427	Automated Aerodynamic Vehicle Shape Optimization Using Neural Networks and Evolutionary Optimization. 2015 , 8, 242-251	6
1426	Optimization for Driveline Parameters of Self-Dumping Truck Based on Particle Swarm Algorithm. 2015 ,	
1425	Multiobjective Particle Swarm Optimization Based on PAM and Uniform Design. 2015 , 2015, 1-17	3
1424	Simulation Study of Swarm Intelligence Based on Life Evolution Behavior. 2015 , 2015, 1-11	1
1423	An Optimization Algorithm with Novel RFA-PSO Cooperative Evolution: Applications to Parameter Decision of a Snake Robot. 2015 , 2015, 1-12	2
1422	A Triobjective Model for Locating a Public Semiobnoxious Facility in the Plane. 2015 , 2015, 1-12	2
1421	Artificial Bee Colony Algorithm Based on K-Means Clustering for Multiobjective Optimal Power Flow Problem. 2015 , 2015, 1-18	2
1420	Multiobjective Economic Load Dispatch Problem Solved by New PSO. 2015 , 2015, 1-6	11
1419	An Improved Harmony Search Algorithm for Power Distribution Network Planning. 2015 , 2015, 1-6	6
1418	A Novel Bioinspired Multiobjective Optimization Algorithm for Designing Wireless Sensor Networks in the Internet of Things. 2015 , 2015, 1-16	6
1417	A New Biobjective Model to Optimize Integrated Redundancy Allocation and Reliability-Centered Maintenance Problems in a System Using Metaheuristics. 2015 , 2015, 1-16	3
1416	Vehicle routing problem with limited refueling halts using particle swarm optimization with greedy mutation operator. 2015 , 49, 689-716	4
1415	A Novel Surrogate-Assisted Multi-Objective Optimization Algorithm for an Electromagnetic Machine Design. 2015 , 51, 1-4	14
1414	Multiobjective Genetic Fuzzy Systems. 2015 , 1479-1498	2
1413	Advances in Swarm and Computational Intelligence. 2015 ,	2
1412	Overlapping community detection through an improved multi-objective quantum-behaved particle swarm optimization. 2015 , 21, 549-575	34
1411	A multiobjective cellular genetic algorithm based on 3D structure and cosine crowding measurement. 2015 , 6, 487-500	11
1410	A hybrid multi-objective PSOEDA algorithm for reservoir flood control operation. 2015 , 34, 526-538	38

1409	Distributed query plan generation using multi-objective particle swarm optimisation. 2015 , 1, 85	1
1408	Hybrid Model for Early Diabetes Diagnosis. 2015 ,	
1407	Application of a multi-objective particle article swarm optimization technique to solve reliability optimization problem. 2015 ,	13
1406	VPP Energy Resources Management Considering Emissions: The Case of Northern Portugal 2020 to 2050. 2015 ,	4
1405	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
1404	Speed improvements for the optimization of electrical machines I A survey. 2015 ,	5
1403	Optimal Design of an Interior Permanent Magnet Synchronous Motor by Using a New Surrogate-Assisted Multi-Objective Optimization. 2015 , 51, 1-4	34
1402	Offline tuning of dynamic settings considering an online central controller in a wind energy harvesting network. 2015 , 9, 1000-1009	1
1401	A Multi-objective Optimization Model for Alloy Addition in BOS Process Based on ESN and Modified MOPSO. 2015 ,	
1400	Multi-Objective Bacterial Foraging Optimization Algorithm Based on Parallel Cell Entropy for Aluminum Electrolysis Production Process. 2015 , 1-1	18
1399	Evolutionary Many-Objective Optimization Algorithm Based on Improved K-Dominance and M2M Population Decomposition. 2015 ,	2
1398	Enhanced HGS algorithm (EHGSA) for cost reduction regression testing. 2015 ,	
1397	Quantum immune clone for solving constrained multi-objective optimization. 2015 ,	1
1396	Multi-objective optimization for periodic preventive maintenance. 2015 ,	
1395	Modified Particle Swarm Optimization Algorithm for Multi-Objective Optimization Design of Hybrid Journal Bearings. 2015 , 137,	10
1394	Evolutionary multi-objective optimisation: a survey. 2015 , 7, 1	51
1393	A hybrid multi-objective PSOGSA approach for environmental/economic dispatch. 2015 ,	2
1392	R2-MOPSO: A multi-objective particle swarm optimizer based on R2-indicator and decomposition. 2015 ,	16

1391	A semicontinuous approach for heterogeneous azeotropic distillation processes. 2015 , 73, 183-190	26
1390	A hybrid of ant colony optimization and artificial bee colony algorithm for probabilistic optimal placement and sizing of distributed energy resources. 2015 , 92, 149-161	206
1389	An efficient hybrid multi-objective particle swarm optimization with a multi-objective dichotomy line search. 2015 , 280, 310-326	24
1388	Adaptive multi-classifier fusion approach for gene expression dataset based on probabilistic theory. 2015 , 44, 247-260	1
1387	Multiobjective PSO based adaption of neural network topology for pixel classification in satellite imagery. 2015 , 28, 217-225	25
1386	Multi-objective portfolio optimization considering the dependence structure of asset returns. 2015 , 244, 525-539	36
1385	Shifted robust multi-objective test problems. 2015 , 52, 217-226	3
1384	Personalized Recommendation Based on Evolutionary Multi-Objective Optimization [Research Frontier]. 2015 , 10, 52-62	79
1383	Fractional-order load-frequency control of interconnected power systems using chaotic multi-objective optimization. 2015 , 29, 328-344	96
1382	A multi-objective approach to integrate solar and wind energy sources with electrical distribution network. 2015 , 112, 397-410	16
1381	Multi-objective Design Optimization of Three-Phase Induction Motor Using NSGA-II Algorithm. 2015 , 1-8	1
1380	Adaptive Multiobjective Particle Swarm Optimization Based on Parallel Cell Coordinate System. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 1-18	15.6 147
1379	Design of fractional order PID controller for automatic regulator voltage system based on multi-objective extremal optimization. 2015 , 160, 173-184	197
1378	Investigating the effect of non-similar fins in thermoeconomic optimization of plate fin heat exchanger. 2015 , 82, 152-161	30
1377	Design and application of nature inspired computing approach for nonlinear stiff oscillatory problems. 2015 , 26, 1763-1780	39
1376	Optimal planning of LEO active debris removal based on hybrid optimal control theory. 2015 , 55, 2628-2640	27
1375	Energy Equipartition Stabilization and Cascading Resilience Optimization for Geospatially Distributed Cyber-Physical Network Systems. 2015 , 45, 25-43	16
1374	Integrated optimization of hydroelectric energy in the upper and middle Yangtze River. 2015 , 45, 481-512	17

1373	An effective multiobjective approach for hard partitional clustering. 2015 , 7, 93-104	19
1372	Multiobjective optimization of process parameters for plastic injection molding via soft computing and grey correlation analysis. 2015 , 78, 525-536	39
1371	Swarm Intelligence in Multiple and Many Objectives Optimization: A Survey and Topical Study on EEG Signal Analysis. 2015 , 27-73	3
1370	Tuning Optimization Algorithms Under Multiple Objective Function Evaluation Budgets. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 341-358	15.6 13
1369	A fuzzy random EPQ model for imperfect quality items with possibility and necessity constraints. 2015 , 34, 838-850	26
1368	Multi objective optimization of horizontal axis tidal current turbines, using Meta heuristics algorithms. 2015 , 103, 487-498	24
1367	Multi-Objective Feature Subset Selection using Non-dominated Sorting Genetic Algorithm. 2015 , 13, 145-159	36
1366	On design of multi-cell tubes under axial and oblique impact loads. 2015 , 95, 115-126	180
1365	An iterative multi-objective particle swarm optimization-based control vector parameterization for state constrained chemical and biochemical engineering problems. 2015 , 103, 138-151	33
1364	Crashworthiness design for foam-filled thin-walled structures with functionally lateral graded thickness sheets. 2015 , 91, 63-71	78
1363	Ensemble multi-objective biogeography-based optimization with application to automated warehouse scheduling. 2015 , 44, 79-90	39
1362	Effects of Nonuniform Surface Errors Along the Radius on Reflector Radiation Characteristic and Its Quality Evaluation. 2015 , 63, 2312-2316	9
1361	Tourism Service Composition Based on Multi-objective Optimization. 2015 ,	0
1360	Optimal design of passive power filters based on multi-objective bat algorithm and pareto front. 2015 , 35, 257-266	51
1359	Reliability design optimization of vehicle front-end structure for pedestrian lower extremity protection under multiple impact cases. 2015 , 94, 500-511	18
1358	A novel multi-objective particle swarm optimization with multiple search strategies. 2015 , 247, 732-744	137
1357	MF-APSO-Based Multiobjective Optimization for PV System Reactive Power Regulation. 2015 , 6, 1346-1355	18
1356	Crashworthiness analysis and design of multi-cell hexagonal columns under multiple loading cases. 2015 , 104, 89-101	169

1355	A Strength Pareto Gravitational Search Algorithm for Multi-Objective Optimization Problems. 2015 , 29, 1559010	4
1354	A self-adaptive multi-objective harmony search algorithm based on harmony memory variance. 2015 , 35, 541-557	26
1353	Combining Non-dominance, Objective-order and Spread Metric to Extend Firefly Algorithm to Multi-objective Optimization. 2015 , 292-306	2
1352	Multi-objective bat algorithm with time-varying inertia weights for optimal design of passive power filters set. 2015 , 9, 644-654	38
1351	Confidence measure: A novel metric for robust meta-heuristic optimisation algorithms. 2015 , 317, 114-142	23
1350	Multiobjective optimization for foam-filled multi-cell thin-walled structures under lateral impact. 2015 , 94, 1-12	67
1349	Crashworthiness design for functionally graded foam-filled bumper beam. 2015 , 85, 81-95	82
1348	An improved multi-objective bacteria colony chemotaxis algorithm and convergence analysis. 2015 , 31, 274-292	12
1347	Improving the multi-objective evolutionary optimization algorithm for hydropower reservoir operations in the California Oroville Thermal complex. 2015 , 69, 262-279	88
1346	. 2015 , 51, 1-4	1
1345	Bilevel and multi-objective dynamic construction site layout and security planning. 2015 , 57, 1-16	31
1344	Optimal four quadrant speed control of switched reluctance motor with torque ripple reduction based on EM-MOPSO. 2015 ,	5
1343	An elitism based multi-objective artificial bee colony algorithm. 2015 , 245, 168-193	57
1342	Parametric study and multi-objective crashworthiness optimisation of reinforced hexagonal honeycomb under dynamic loadings. 2015 , 20, 495-509	8
1341	Elite-guided multi-objective artificial bee colony algorithm. 2015 , 32, 199-210	30
1340	Multi-objective Swarm Intelligence. 2015 ,	6
1339	A new multi-objective particle swarm optimizer using empirical movement and diversified search strategies. 2015 , 47, 750-770	16
1338	Determination of the optimal control parameter range of air supply in an aircraft cabin. 2015 , 8, 465-476	10

1337	New Dynamic Multi-Objective Constrained Optimization Evolutionary Algorithm. 2015 , 32, 1550036		1
1336	Design of reconfigurable flow lines using MOPSO and maximum deviation theory. 2015 , 84, 1587		8
1335	Optimal cloud storage problem in the distributed cloud data centers by the discrete PSO algorithm. 2015 ,		1
1334	Intelligence Science and Big Data Engineering. Big Data and Machine Learning Techniques. 2015 ,		2
1333	Optimal design of interior permanent magnet synchronous motor by using a new surrogate assisted multi-objective optimization. 2015 ,		11
1332	Planar thinned antenna array synthesis using multi-objective binary cat swarm optimization. 2015 ,		5
1331	Hindrances for robust multi-objective test problems. 2015 , 35, 333-348		7
1330	Ultra-fast variability-aware optimization of mixed-signal designs using bootstrapped kriging. 2015 ,		0
1329	Network Structural Balance Based on Evolutionary Multiobjective Optimization: A Two-Step Approach. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 903-916	15.6	34
1328	Crushing analysis and multi-objective optimization design for bionic thin-walled structure. 2015 , 87, 825-834		55
1327	Torque ripple reduction of switched reluctance motor drive with adaptive sliding mode control and Particle Swarm Optimization. 2015 ,		3
1326	Multi-sensor satellite remote sensing images for flood assessment using swarm intelligence. 2015 ,		2
1325	Intelligent Computing Theories and Methodologies. 2015 ,		
1324	GALE: Geometric Active Learning for Search-Based Software Engineering. 2015 , 41, 1001-1018		23
1323	A hybrid algorithm based on particle swarm and chemical reaction optimization for multi-object problems. 2015 , 35, 525-540		21
1322	. 2015 , 1, 266-276		41
1321	Optimised spatial planning to meet long term urban sustainability objectives. 2015 , 54, 154-164		40
1320	A hybrid one-class rule learning approach based on swarm intelligence for software fault prediction. 2015 , 11, 289-301		18

1319	Modeling engine fuel consumption and NOx with RBF neural network and MOPSO algorithm. 2015 , 16, 1041-1049	10
1318	A Multi-Objective Genetic Algorithm for Outlier Removal. 2015 , 55, 2507-18	6
1317	Novel performance metrics for robust multi-objective optimization algorithms. 2015 , 21, 1-23	49
1316	Optimum Design of a Dual-Range Force Sensor for Achieving High Sensitivity, Broad Bandwidth, and Large Measurement Range. 2015 , 15, 1114-1123	15
1315	Multi-layer Genetic Algorithm for Maximum Disjoint Reliable Set Covers Problem in Wireless Sensor Networks. 2015 , 80, 203-227	13
1314	Optimal multi objective placement and sizing of multiple DGs and shunt capacitor banks simultaneously considering load uncertainty via MOPSO approach. 2015 , 67, 336-349	131
1313	Inclusion of Blackouts Risk in Probabilistic Transmission Expansion Planning by a Multi-Objective Framework. 2015 , 30, 2810-2817	15
1312	Application of multi-objective controller to optimal tuning of PID gains for a hydraulic turbine regulating system using adaptive grid particle swarm optimization. 2015 , 56, 173-87	50
1311	Water cycle algorithm for solving constrained multi-objective optimization problems. 2015 , 27, 279-298	159
1310	Distributed generation planning based on the distribution company's and the DG owner's profit maximization. 2015 , 25, 216-232	13
1309	A PSO-based timing-driven Octilinear Steiner tree algorithm for VLSI routing considering bend reduction. 2015 , 19, 1153-1169	72
1308	Optimized Probabilistic PHEVs Demand Management in the Context of Energy Hubs. 2015 , 30, 996-1006	78
1307	Water cycle algorithm for solving multi-objective optimization problems. 2015 , 19, 2587-2603	80
1306	Multi-objective efficiency enhancement using workload spreading in an operational data center. 2015 , 138, 432-444	14
1305	Multiobjective robust design optimization of fatigue life for a truck cab. 2015 , 135, 1-8	75
1304	Optimal hybrid renewable energy design in autonomous system using Iterative-Pareto-Fuzzy technique. 2015 , 64, 242-249	44
1303	A Unified Framework for Participation of Responsive End-User Devices in Voltage and Frequency Control of the Smart Grid. 2015 , 30, 1369-1379	24
1302	Multiobjective optimization using an aggregative gradient-based method. 2015 , 51, 173-182	21

1301	Design of SCADA water resource management control center by a bi-objective redundancy allocation problem and particle swarm optimization. 2015 , 133, 11-21	42
1300	A novel approach to fuzzy wavelet neural network modeling and optimization. 2015 , 64, 671-678	36
1299	Optimal mix of solar and wind distributed generations considering performance improvement of electrical distribution network. 2015 , 75, 173-186	94
1298	Testing of a spreading mechanism to promote diversity in multi-objective particle swarm optimization. 2015 , 16, 279-302	6
1297	Cold ironing and onshore generation for airborne emission reductions in ports. 2016 , 230, 67-82	10
1296	Modeling, analysis and multi-objective optimization of twist extrusion process using predictive models and meta-heuristic approaches, based on finite element results. 2016 , 27, 463-473	19
1295	A multi-objective improved teaching-learning based optimization algorithm (MO-ITLBO). 2016 , 357, 182-200	67
1294	Bi-criteria parallel machine scheduling using nature-inspired hybrid flower pollination algorithm. 2016 , 5, 226	1
1293	An improved multi-objective particle swarm optimization. 2016 , 3, 105-120	4
1292	Synthesis of Thinned Planar Antenna Array Using Multiobjective Normal Mutated Binary Cat Swarm Optimization. 2016 , 2016, 1-9	4
1291	A Neighborhood-Impact Based Community Detection Algorithm via Discrete PSO. 2016 , 2016, 1-15	7
1290	A Decomposition-Based Unified Evolutionary Algorithm for Many-Objective Problems Using Particle Swarm Optimization. 2016 , 2016, 1-15	3
1289	Hybrid Artificial Root Foraging Optimizer Based Multilevel Threshold for Image Segmentation. 2016 , 2016, 1476838	2
1288	A Review of Surrogate Assisted Multiobjective Evolutionary Algorithms. 2016 , 2016, 9420460	45
1287	Optimization of Fuel Consumption and Emissions for Auxiliary Power Unit Based on Multi-Objective Optimization Model. 2016 , 9, 90	7
1286	Electric Vehicle Charging and Discharging Coordination on Distribution Network Using Multi-Objective Particle Swarm Optimization and Fuzzy Decision Making. 2016 , 9, 186	24
1285	Enhanced Multi-Objective Energy Optimization by a Signaling Method. 2016 , 9, 807	8
1284	Advanced Pareto Front Non-Dominated Sorting Multi-Objective Particle Swarm Optimization for Optimal Placement and Sizing of Distributed Generation. 2016 , 9, 982	38

1283	Novel double step approach for optical sensing via microsphere WGM resonance. 2016 , 24, 26956-26971	22
1282	Particle swarm optimisation with adaptive neighbourhood search for solving multi-objective optimisation problems. 2016 , 2, 1	1
1281	Swarm Intelligence PID Controller Tuning for AVR System. 2016 , 791-804	5
1280	Multi-objective constrained black-box optimization using radial basis function surrogates. 2016 , 16, 140-155	22
1279	. 2016 ,	
1278	Association rule mining using hybrid GA-PSO for multi-objective optimisation. 2016 ,	11
1277	Multiobjective weapon-target assignment problem by two-stage evolutionary multiobjective particle swarm optimization. 2016 ,	2
1276	Multi-Objective Self Regulating Particle Swarm Optimization algorithm for BMOBench platform. 2016 ,	3
1275	Multi-Objective Distribution Network Reconfiguration Based on Pareto Front Ranking. 2016 , 2, 287-302	3
1274	An NSGA-III algorithm for solving multi-objective economic/environmental dispatch problem. 2016 , 3, 1269383	21
1273	A multi-swarm approach to multiobjective synthesis of linear antenna array design. 2016 ,	
1272	A non-random multi-objective cat swarm optimization algorithm based on CAT MAP. 2016 ,	
1271	An Improved PSO Algorithm for Interval Multi-Objective Optimization Systems. 2016 , E99.D, 2381-2384	2
1270	Entropy determined hybrid two-stage multi-objective evolutionary algorithm combining locally linear embedding. 2016 ,	2
1269	Comparative research of optimization algorithms for parameters calibration of watershed hydrological model. 2016 , 16, 653-669	7
1268	Misleading Pareto optimal front diversity metrics: Spacing and distribution. 2016 ,	1
1267	Shaping inertial response from wind turbines: A multi-objective approach. 2016 ,	0
1266	Crushing analysis and multiobjective crashworthiness optimization of bitubular polygonal tubes with internal walls. 2016 , 23, 3040-3050	4

1265	A multiobjective evolutionary algorithm based on decomposition for unit commitment problem with significant wind penetration. 2016,	0
1264	Robust design optimization based on multi-objective particle swarm optimization. 2016,	
1263	Improved step-by-step chromaticity compensation method for chromatic sextupole optimization. 2016, 40, 057002	1
1262	Multi-objective random drift particle swarm optimization algorithm with adaptive grids. 2016,	1
1261	Ensemble classifier selection using multi-objective PSO for fault diagnosis of power transformers. 2016,	8
1260	Novel optimisation algorithm of electrical machines. 2016,	
1259	An effective PSO-TLBO algorithm for multi-objective optimization. 2016,	4
1258	Bio-inspired Computing [Theories and Applications]. 2016,	
1257	Design of online monitoring and forecasting system for electrical equipment temperature of prefabricated substation based on WSN. 2016,	
1256	Human factors-based many-objective personnel recruitment for safety-critical work environments. 2016,	
1255	A surrogate-assisted evolution strategy for constrained multi-objective optimization. 2016, 57, 270-284	49
1254	Applications of Evolutionary Computation. 2016,	1
1253	A Memory-Based NSGA-II Algorithm for Dynamic Multi-objective Optimization Problems. 2016, 296-310	14
1252	Optimal design of hybrid power generation system and its integration in the distribution network. 2016, 82, 136-149	29
1251	A new quantum-behaved particle swarm optimization based on cultural evolution mechanism for multiobjective problems. 2016, 101, 90-99	34
1250	Simplex particle swarm optimization with arithmetical crossover for solving global optimization problems. 2016, 53, 705-740	8
1249	DMMOGSA: Diversity-enhanced and memory-based multi-objective gravitational search algorithm. 2016, 363, 52-71	19
1248	Optimization of nonlinear quarter car suspension-seat-driver model. 2016, 7, 991-1007	43

1247	Multi-objective crashworthiness optimization of perforated square tubes using modified NSGAI and MOPSO. 2016 , 54, 45-61	29
1246	Multi-objective particle optimization algorithm based on sharing learning and dynamic crowding distance. 2016 , 127, 5013-5020	17
1245	Optimization of both operating costs and energy efficiency in the alumina evaporation process by a multi-objective state transition algorithm. 2016 , 94, 53-65	8
1244	An interactive operation management of a micro-grid with multiple distributed generations using multi-objective uniform water cycle algorithm. 2016 , 106, 482-509	40
1243	JIT single machine scheduling problem with periodic preventive maintenance. 2016 , 12, 299-310	10
1242	Designing a cellular manufacturing system considering decision style, skill and job security by NSGA-II and response surface methodology. 2016 , 54, 6825-6847	8
1241	ANN-based modeling and reducing dual-fuel engine's challenging emissions by multi-objective evolutionary algorithm NSGA-II. 2016 , 175, 91-99	73
1240	A fuzzy multi-objective optimization model for sustainable reverse logistics network design. 2016 , 67, 753-768	114
1239	Strategic approach for reinforcement of intermittent renewable energy sources and capacitor bank for sustainable electric power distribution system. 2016 , 83, 335-351	36
1238	A Symbiotic Organisms Search algorithm with adaptive penalty function to solve multi-objective constrained optimization problems. 2016 , 46, 344-360	106
1237	Dynamic modelling and small signal stability analysis of voltage source converter-based HVDC system. 2016 , 7, 203	
1236	Bi-Level Decision Making in Ra-Ra Phenomenon. 2016 , 199-282	
1235	Multi-objective optimization of nonlinear switched time-delay systems in fed-batch process. 2016 , 40, 10533-10548	17
1234	Multi-objective optimisation of a 1-kW wireless IPT systems for charging of electric vehicles. 2016 ,	20
1233	The study of characteristics of the hybrid particle swarm algorithm in solution of the global optimization problem. 2016 ,	2
1232	Multi Objective PSO Tuned Fractional Order PID Control of Robotic Manipulator. 2016 , 567-572	7
1231	A fast non-dominated sorting algorithm for real-time multi-objective particle swarm optimization. 2016 ,	
1230	Medical image fusion using pulse coupled neural network and multi-objective particle swarm optimization. 2016 ,	4

1229	Side lobe and grating lobe suppression in stepped frequency pulse train using multi-objective optimization algorithms. 2016,	0
1228	Multi-objective particle swarm optimization (MOPSO) of lipid accumulation in Fed-batch cultures. 2016,	3
1227	Multi-objective particle swarm optimization algorithm based on sharing-learning and Cauchy mutation. 2016,	1
1226	Multi-objective operation optimization of ethylene cracking furnace based on AMOPSO algorithm. 2016, 153, 21-33	25
1225	A multi-objective membrane algorithm guided by the skin membrane. 2016, 15, 597-610	10
1224	Multiobjective Optimization. 2016, 371-412	
1223	Generation-scheduling-coupled battery sizing of stand-alone hybrid power systems. 2016, 114, 671-682	22
1222	Active sloshing control in a smart flexible cylindrical floating roof tank. 2016, 66, 350-381	10
1221	Urban bus network of priority lanes: A combined multi-objective, multi-criteria and group decision-making approach. 2016, 52, 186-196	19
1220	Weighted sum approach using parallel Particle Swarm Optimization to solve multi-objective energy scheduling. 2016,	3
1219	A novel bi-objective model with particle swarm optimizer for structural balance analytics in social networks. 2016,	1
1218	Many Objective Particle Swarm Optimization. 2016, 374, 115-134	61
1217	NSABC: Non-dominated sorting based multi-objective artificial bee colony algorithm and its application in data clustering. 2016, 216, 514-533	46
1216	Optimal materials purchasing for ready-mixed concrete in construction projects with environmental effects. 2016, 9, 70	1
1215	. 2016,	1
1214	Intelligent Systems Technologies and Applications 2016. 2016,	4
1213	A survey on network community detection based on evolutionary computation. 2016, 8, 84	68
1212	Optimising the bi-objective multidimensional integer knapsack problem using non-dominated sorting particle swarm optimisation. 2016, 23, 263	1

1211 References. **2016**, 297-314

1210 Investigating the effect of properties variation in optimum design of compact heat exchanger using segmented method. **2016**, 112, 46-55 4

1209 . **2016**, 52, 4668-4677 22

1208 Modeling urban air pollution with optimized hierarchical fuzzy inference system. **2016**, 23, 19417-31 6

1207 A Novel Fitness Function Based on Decomposition for Multi-objective Optimization Problems. **2016**, 16-25

1206 A Novel Multi-objective Bionic Algorithm Based on Plant Root System Growth Mechanism. **2016**, 79-87

1205 Pareto optimal train scheduling for urban rail transit using generalized particle swarm optimization. **2016**, 8, 168781401667242 5

1204 Multi-objective particle swarm optimization applied to distribution fitting for industrial data. **2016**,

1203 Application techniques of multi-objective particle swarm optimization: Aircraft flight control. **2016**, 2

1202 A Study of Archiving Strategies in Multi-objective PSO for Molecular Docking. **2016**, 40-52 1

1201 Multi-objective optimization of a residential solar thermal combisystem. **2016**, 139, 622-632 18

1200 Multi-objective Moth Flame Optimization. **2016**, 5

1199 A multi-objective evolutionary algorithm based on mixed game strategy. **2016**,

1198 Quantifying the robustness of optimal reservoir operation for the Xinanjiang-Fuchunjiang Reservoir Cascade. **2016**, 16, 79-86 3

1197 Maximum relevance and class separability for hyperspectral feature selection and classification. **2016**, 2

1196 IMOPSO: An improved multi-objective particle swarm optimization algorithm. **2016**,

1195 Ensemble classifiers with improved overfitting. **2016**, 7

1194 Multi-Objective Memetic Search for Robust Motion and Distortion Correction in Diffusion MRI. **2016**, 35, 2280-2291 0

1193	Multi-Objective Optimization of a Transverse Flux Machine With Claw-Pole and Flux-Concentrating Structure. 2016 , 52, 1-10	25
1192	A modified MOEA/D approach to the solution of multi-objective optimal power flow problem. 2016 , 47, 494-514	71
1191	Low power FIR filter design using modified multi-objective artificial bee colony algorithm. 2016 , 55, 58-69	27
1190	Object Detection and Tracking. 2016 , 97-156	
1189	Multi-objective artificial bee algorithm based on decomposition by PBI method. 2016 , 45, 976-991	27
1188	An innovative hybrid multi-objective particle swarm optimization with or without constraints handling. 2016 , 47, 370-388	39
1187	Big Network Analytics Based on Nonconvex Optimization. 2016 , 345-373	1
1186	Learning simultaneous adaptive clustering and classification via MOEA. 2016 , 60, 37-50	9
1185	Optimal power flow problem considering the cost, loss, and emission by multi-objective electromagnetism-like algorithm. 2016 ,	4
1184	Design of transversely-graded foam and wall thickness structures for crashworthiness criteria. 2016 , 92, 338-349	71
1183	Advances in Swarm Intelligence. 2016 ,	1
1182	Advances in Swarm Intelligence. 2016 ,	1
1181	Optimum design of fuzzy controllers for nonlinear systems using multi-objective particle swarm optimization. 2016 , 22, 769-783	12
1180	A particle swarm approach for multi-objective optimization of electrical discharge machining process. 2016 , 27, 1171-1190	53
1179	Coordination of Distributed Energy Resources and Demand Response for Voltage and Frequency Support of MV Microgrids. 2016 , 31, 1506-1516	44
1178	Dragonfly algorithm: a new meta-heuristic optimization technique for solving single-objective, discrete, and multi-objective problems. 2016 , 27, 1053-1073	1214
1177	Indicator-based set evolution particle swarm optimization for many-objective problems. 2016 , 20, 2219-2232	13
1176	Generation of Pareto optimal solutions using generalized DEA and PSO. 2016 , 64, 49-61	5

1175	A nonlinear fractional programming approach for environmental-economic power dispatch. 2016 , 78, 463-469	32
1174	Multi-criteria exergy based optimization of an Organic Rankine Cycle for waste heat recovery in the cement industry. 2016 , 112, 81-90	66
1173	Particle swarm optimization algorithm embedded with maximum deviation theory for solving multi-objective flexible job shop scheduling problem. 2016 , 85, 2353-2366	41
1172	Recurrent multi-objective differential evolution approach for reactive power management. 2016 , 10, 192-204	16
1171	A performance comparison of multi-objective optimization algorithms for solving nearly-zero-energy-building design problems. 2016 , 121, 57-71	185
1170	Optimizing time-cost trade-offs in product development projects with a multi-objective evolutionary algorithm. 2016 , 27, 347-366	14
1169	Evolutionary Computation in Combinatorial Optimization. 2016 ,	
1168	Multi-objective Colliding Bodies Optimization. 2016 , 651-664	6
1167	An adaptive multi-population differential evolution algorithm for continuous multi-objective optimization. 2016 , 348, 124-141	58
1166	Theoretical prediction and optimization of multi-cell hexagonal tubes under axial crushing. 2016 , 102, 111-121	89
1165	Multi-objective metaheuristics for solving a type II robotic mixed-model assembly line balancing problem. 2016 , 33, 472-484	37
1164	Reliability optimization of wind farms considering redundancy and opportunistic maintenance strategy. 2016 , 112, 445-458	46
1163	A bionic method for the crashworthiness design of thin-walled structures inspired by bamboo. 2016 , 101, 222-230	76
1162	Prediction based mean-variance model for constrained portfolio assets selection using multiobjective evolutionary algorithms. 2016 , 28, 117-130	18
1161	Numerical Modeling of Arsenic Mobility during Reductive Iron-Mineral Transformations. 2016 , 50, 2459-67	47
1160	A multi-objective invasive weeds optimization algorithm for solving multi-skill multi-mode resource constrained project scheduling problem. 2016 , 88, 157-169	57
1159	MPSO-Based Model of Train Operation Adjustment. 2016 , 137, 114-123	4
1158	Multi-objective quantum-behaved particle swarm optimization algorithm with double-potential well and share-learning. 2016 , 127, 4921-4927	10

1157	A multiobjective fuzzy clustering method for change detection in SAR images. 2016 , 46, 767-777	41
1156	Experimental Study on Bound Handling Techniques for Multi-objective Particle Swarm Optimization. 2016 , 555-564	2
1155	A security and cost aware scheduling algorithm for heterogeneous tasks of scientific workflow in clouds. 2016 , 65, 140-152	67
1154	A methodology for optimal operation of pumping stations in urban drainage systems. 2016 , 11, 101-112	20
1153	Optimization of Fuzzified Hedging Rules for Multipurpose and Multireservoir Systems. 2016 , 21, 05016003	15
1152	A General Real-Time Control Approach of Intrusion Response for Industrial Automation Systems. 2016 , 46, 1021-1035	11
1151	Application of TLBO and ETLBO Algorithms on Complex Composite Test Functions. 2016 , 41-51	2
1150	A particle swarm optimization based power dispatch algorithm with roulette wheel re-distribution mechanism for equality constraint. 2016 , 88, 58-72	23
1149	Multi-objective grey wolf optimizer: A novel algorithm for multi-criterion optimization. 2016 , 47, 106-119	647
1148	Multi-objective control chart design optimization using NSGA-III and MOPSO enhanced with DEA and TOPSIS. 2016 , 50, 17-39	99
1147	Optimal Design of an Axial Flux Permanent Magnet Synchronous Motor for the Electric Bicycle. 2016 , 52, 1-4	21
1146	Robust design for the 9-slot 8-pole surface-mounted permanent magnet synchronous motor by analytical method-based multi-objectives particle swarm optimisation. 2016 , 10, 117-124	10
1145	A Multi-State Optimization Framework for Parameter Estimation in Biological Systems. 2016 , 13, 472-82	1
1144	Neuro-Fuzzy Modeling for Multi-Objective Test Suite Optimization. 2016 , 25, 123-146	1
1143	A multi-objective mixed-discrete particle swarm optimization with multi-domain diversity preservation. 2016 , 53, 471-488	13
1142	Prepositioning emergency earthquake response supplies: A new multi-objective particle swarm optimization algorithm. 2016 , 40, 5183-5199	57
1141	Discrete particle swarm optimization for high-order graph matching. 2016 , 328, 158-171	24
1140	Pareto efficient multi-objective optimization for local tuning of analogy-based estimation. 2016 , 27, 2241-2265	19

1139	A hybrid particle swarm approach based on Tribes and tabu search for multi-objective optimization. 2016 , 31, 204-231	1
1138	Control parameter optimization for AP1000 reactor using Particle Swarm Optimization. 2016 , 87, 687-695	13
1137	An improved multi-objective population-based extremal optimization algorithm with polynomial mutation. 2016 , 330, 49-73	75
1136	Unsupervised Band Selection Based on Evolutionary Multiobjective Optimization for Hyperspectral Images. 2016 , 54, 544-557	95
1135	A new multiobjective performance criterion used in PID tuning optimization algorithms. 2016 , 7, 125-34	67
1134	Are All the Subproblems Equally Important? Resource Allocation in Decomposition-Based Multiobjective Evolutionary Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 20, 52-64 ^{15.6}	108
1133	Multiobjective improved spatial fuzzy c-means clustering for image segmentation combining Pareto-optimal clusters. 2016 , 22, 383-404	13
1132	A hybrid discrete particle swarm optimization for dual-resource constrained job shop scheduling with resource flexibility. 2017 , 28, 1961-1972	32
1131	Profit-Based DG Planning Considering Environmental and Operational Issues: A Multiobjective Approach. 2017 , 11, 1959-1970	9
1130	Application of multi-objective evolutionary algorithms for the rehabilitation of storm sewer pipe networks. 2017 , 10, 326-338	19
1129	An Effective Application of Bacteria Quorum Sensing and Circular Elimination in MOPSO. 2017 , 14, 56-63	3
1128	Multi-objective particle swarm-differential evolution algorithm. 2017 , 28, 407-418	29
1127	Endocrine-based coevolutionary multi-swarm for multi-objective workflow scheduling in a cloud system. 2017 , 21, 4309-4322	43
1126	A novel harmony search algorithm with gaussian mutation for multi-objective optimization. 2017 , 21, 1549-1567	12
1125	Design of a public bicycle-sharing system with safety. 2017 , 36, 1023-1041	7
1124	Multi-objective optimization of a mixture inventory system using a MOPSO-OPSIS hybrid approach. 2017 , 39, 555-566	7
1123	A particle swarm approach for optimizing a multi-stage closed loop supply chain for the solar cell industry. 2017 , 43, 111-123	60
1122	Preliminary design and multi-objective optimization of electro-hydrostatic actuator. 2017 , 231, 1258-1268	12

1121	Many-Objective Particle Swarm Optimization Using Two-Stage Strategy and Parallel Cell Coordinate System. 2017 , 47, 1446-1459	49
1120	ParEGO extensions for multi-objective optimization of expensive evaluation functions. 2017 , 67, 79-96	11
1119	An Attractor-Based Multiobjective Particle Swarm Optimization. 2017 , 3, 1019-1036	3
1118	An efficient multi-objective PSO algorithm assisted by Kriging metamodel for expensive black-box problems. 2017 , 67, 399-423	9
1117	Population recombination strategies for multi-objective particle swarm optimization. 2017 , 21, 4693-4705	6
1116	A novel fruit fly framework for multi-objective shape design of tubular linear synchronous motor. 2017 , 73, 1235-1256	52
1115	Multi-objective and multi-level image thresholding based on dominance and diversity criteria. 2017 , 54, 62-73	17
1114	Multi-objective differential evolution with dynamic covariance matrix learning for multi-objective optimization problems with variable linkages. 2017 , 121, 111-128	13
1113	A Multiobjective Approach for Multistage Reliability Growth Planning by Considering the Timing of New Technologies Introduction. 2017 , 66, 97-110	9
1112	Multi-objective reliability-based design optimization approach of complex structure with multi-failure modes. 2017 , 64, 52-62	47
1111	Mean-VaR portfolio optimization: A nonparametric approach. 2017 , 260, 751-766	58
1110	Multi-skilled project scheduling with level-dependent rework risk; three multi-objective mechanisms based on cuckoo search. 2017 , 54, 46-61	36
1109	Optimal waste load allocation using graph model for conflict resolution. 2017 , 75, 1512-1522	15
1108	A hybrid multi-objective Particle Swarm Optimization for scientific workflow scheduling. 2017 , 62, 1-19	123
1107	A multi-objective approach to robust optimization over time considering switching cost. 2017 , 394-395, 183-197	22
1106	Subset simulation for multi-objective optimization. 2017 , 44, 425-445	13
1105	Optimal design of a planar parallel 3-DOF nanopositioner with multi-objective. 2017 , 112, 61-83	54
1104	Dynamic population artificial bee colony algorithm for multi-objective optimal power flow. 2017 , 24, 703-710	20

1103	Service allocation in the cloud environments using multi-objective particle swarm optimization algorithm based on crowding distance. 2017 , 35, 53-64	69
1102	Review: Multi-objective optimization methods and application in energy saving. 2017 , 125, 681-704	255
1101	Adaptive intelligent techniques for microgrid control systems: A survey. 2017 , 90, 292-305	73
1100	Robust multi-objective optimal switching control arising in 1,3-propanediol microbial fed-batch process. 2017 , 25, 1-20	41
1099	A hybrid approach combining modified artificial bee colony and cuckoo search algorithms for multi-objective cloud manufacturing service composition. 2017 , 55, 4765-4784	72
1098	A novel evolutionary root system growth algorithm for solving multi-objective optimization problems. 2017 , 57, 379-398	10
1097	An Adaptive Multiobjective Particle Swarm Optimization Based on Multiple Adaptive Methods. 2017 , 47, 2754-2767	49
1096	An effective fault diagnosis approach based on optimal weighted least squares support vector machine. 2017 , 95, 2357-2366	12
1095	Evolutionary multi-objective fault diagnosis of power transformers. 2017 , 36, 62-75	43
1094	Scheduling Algorithms of Flat Semi-Dormant Multicontrollers for a Cyber-Physical System. 2017 , 13, 1665-1680	13
1093	A hierarchical global path planning approach for mobile robots based on multi-objective particle swarm optimization. 2017 , 59, 68-76	99
1092	Robust optimal position detection scheme for relational database watermarking through HOLPSOFA algorithm. 2017 , 35, 1-12	8
1091	Multi-Objective Optimization of Elastic Beams for Noise Reduction. 2017 , 139,	12
1090	Multi-objective optimization of gas metal arc welding parameters and sequences for low-carbon steel (Q345D) T-joints. 2017 , 24, 544-555	20
1089	An efficient multi-objective artificial raindrop algorithm and its application to dynamic optimization problems in chemical processes. 2017 , 58, 354-377	13
1088	Micro-time variant multi-objective particle swarm optimization (micro-TVMOPSO) of a solar thermal combisystem. 2017 , 36, 76-90	8
1087	Multi-objective hybrid artificial bee colony algorithm enhanced with Levy flight and self-adaption for cloud manufacturing service composition. 2017 , 47, 721-742	46
1086	Advances in Reliability and System Engineering. 2017 ,	0

1085	FIR filter design using multiobjective teaching-learning-based optimization. 2017 ,	2
1084	Mission planning for on-orbit servicing through multiple servicing satellites: A new approach. 2017 , 60, 1148-1162	25
1083	Processes governing arsenic retardation on Pleistocene sediments: Adsorption experiments and model-based analysis. 2017 , 53, 4344-4360	28
1082	Adaptive consensus model with multiplicative linguistic preferences based on fuzzy information granulation. 2017 , 60, 30-47	26
1081	Performance analysis and geometry optimization of metal belt-based continuously variable transmission systems using multi-objective particle swarm optimization. 2017 , 39, 4289-4303	5
1080	Multi-Objective Optimization-Simulation for Reliability-Based Inter-Basin Water Allocation. 2017 , 31, 3445-3464	27
1079	Financial time series prediction using hybrids of chaos theory, multi-layer perceptron and multi-objective evolutionary algorithms. 2017 , 36, 136-149	61
1078	Resource optimizer for Cognitive Network using multi-objective particle swarm system. 2017 ,	0
1077	Applying control scheme function of PV inverter for minimizing voltage fluctuation and imbalance with consideration of maximum PV generation. 2017 , 12, S42-S53	1
1076	Multi-objective Optimization of Non-uniform Beam for Minimum Weight and Sound Radiation. 2017 , 23, 380-393	2
1075	Exploring Evolutionary Multi-Objective Techniques in Self-Organizing Networks. 2017 , 5, 12049-12060	6
1074	Study on the Electromagnetic Performance of Inhomogeneous Radomes for Airborne ApplicationsPart I: Characteristics of Phase Distortion and Boresight Error. 2017 , 65, 3162-3174	21
1073	Stresses minimization in functionally graded cylinders using particle swarm optimization technique. 2017 , 154, 1-10	12
1072	Multi-objective workflow scheduling in cloud system based on cooperative multi-swarm optimization algorithm. 2017 , 24, 1050-1062	16
1071	An External Archive-Guided Multiobjective Particle Swarm Optimization Algorithm. 2017 , 47, 2794-2808	58
1070	Study on Dynamic Reconfiguration of Distribution Network Considering Distribution Generation. 2017 , 100, 04008	0
1069	Improved multi-objective particle swarm optimization algorithm for optimizing watermark strength in color image watermarking. 2017 , 47, 362-381	17
1068	Multi-objective seismic design optimization of steel frames by a chaotic meta-heuristic algorithm. 2017 , 33, 1045-1060	29

1067	An improvement decomposition-based multi-objective evolutionary algorithm with uniform design. 2017 , 125, 108-115	7
1066	A review on distributed generation planning. 2017 , 76, 529-544	96
1065	A PSO-based multi-objective multi-label feature selection method in classification. 2017 , 7, 376	51
1064	A novel metaheuristic for multi-objective optimization problems: The multi-objective vortex search algorithm. 2017 , 402, 124-148	34
1063	Joint production and preventive maintenance scheduling for a single degraded machine by considering machine failures. 2017 , 25, 544-578	16
1062	Effects of DG Operating Power Factor on Its Location and Size by Using GA in Distribution Systems. 2017 , 459-501	1
1061	A multi-objective algorithm for optimization of modern machining processes. 2017 , 61, 103-125	97
1060	An Improved Spider Monkey Optimization for Solving a Convex Economic Dispatch Problem. 2017 , 425-448	2
1059	Model-Based Multi-Objective Optimization Methods for Efficient Management of Subsurface Flow. 2017 ,	1
1058	Computational Intelligence Based Heuristic Approach for Maximizing Energy Efficiency in Internet of Things. 2017 , 53-76	6
1057	Reliable and energy efficient topology control in probabilistic Wireless Sensor Networks via multi-objective optimization. 2017 , 73, 2632-2656	14
1056	Reliability Optimization: A Particle Swarm Approach. 2017 , 163-187	11
1055	An efficient lightweight design strategy for body-in-white based on implicit parameterization technique. 2017 , 55, 1927-1943	39
1054	Conceptual Shape Optimization of Entry Vehicles. 2017 ,	3
1053	Multi-objective particle swarm optimization algorithm based on leader combination of decomposition and dominance. 2017 , 33, 1577-1588	1
1052	Multi-objective robust optimization to solve energy scheduling in buildings under uncertainty. 2017 ,	5
1051	Minimizing the Adverse Effects of Contaminant Propagation in Water Distribution Networks Considering the Pressure-Driven Analysis Method. 2017 , 143, 04017072	9
1050	Effect of deep cryogenic treatment on machinability of Inconel 718 in powder-mixed EDM. 2017 , 19, 343	4

1049	Multi-objective Design Method for Hybrid Active Power Filter. 2017 , 18,	1
1048	An Improved Multi-objective Bare-Bones PSO for Optimal Design of Solar Dish Stirling Engine Systems. 2017 , 167-177	1
1047	A novel non-dominated sorting algorithm for evolutionary multi-objective optimization. 2017 , 23, 31-43	31
1046	Multi-objective optimization for advanced superheater steam temperature control in a 300 MW power plant. 2017 , 208, 592-606	68
1045	Modified artificial wolf pack method for maximum power point tracking under partial shading condition. 2017 ,	6
1044	Multi-objective Particle Swarm Optimization to Solve Energy Scheduling with Vehicle-to-Grid in Office Buildings Considering Uncertainties. 2017 , 50, 3356-3361	2
1043	Multi-objective operation optimization of an electrical distribution network with soft open point. 2017 , 208, 734-744	45
1042	Static Var Compensator allocation considering transient stability, voltage profile and losses. 2017 ,	3
1041	PERFORMANCE COMPARISON OF THE POWELL AND PSO METHODS FOR MEDICAL IMAGE ALIGNMENT. 2017 , 29, 1750014	
1040	Simulation based risk management for multi-objective optimal wind turbine placement using MOEA/D. 2017 , 141, 579-597	9
1039	A New Efficient Thickness Profile Design Method for Streamlined Airborne Radomes. 2017 , 65, 6190-6195	16
1038	A prediction strategy based on center points and knee points for evolutionary dynamic multi-objective optimization. 2017 , 61, 806-818	57
1037	Improving the rate of heat transfer and material in the extended surface using multi-objective constructal optimization. 2017 , 115, 589-596	14
1036	A framework for multi-objective optimisation based on a new self-adaptive particle swarm optimisation algorithm. 2017 , 420, 364-385	26
1035	Multi-objective optimization for sustainable groundwater management by developing of coupled quantity-quality simulation-optimization model. 2017 , 19, 973-992	22
1034	Some Approaches for Optimizing CO2 Storage System with Water Production in a Heterogeneous Reservoir Using Particle Swarm Optimization Algorithm. 2017 , 114, 4775-4786	
1033	Multi-objective optimization design of cycloid pin gear planetary reducer. 2017 , 9, 168781401772005	6
1032	Optimization of economic/environmental operation management for microgrids by using hybrid fireworks algorithm. 2017 , 27, e2429	7

1031	A Kriging framework for the efficient exploitation of the nanoscale junctionless DG MOSFETs including source/drain extensions and hot carrier effect. 2017 , 4, 6804-6813	2
1030	Parameter identification of concrete dams using swarm intelligence algorithm. 2017 , 34, 2358-2378	7
1029	A real-coded multi-objective quantum-inspired evolutionary algorithm and its application. 2017 ,	1
1028	Emission-economic dispatch of thermal power generation units in the presence of hybrid electric vehicles and correlated wind power plants. 2017 , 11, 2232-2243	29
1027	A coalition formation algorithm for Multi-Robot Task Allocation in large-scale natural disasters. 2017 ,	15
1026	Salp Swarm Algorithm: A bio-inspired optimizer for engineering design problems. 2017 , 114, 163-191	1826
1025	Image de-noising based on mathematical morphology and multi-objective particle swarm optimization. 2017 ,	
1024	Optimization of problems with multiple objectives using the multi-verse optimization algorithm. 2017 , 134, 50-71	124
1023	A new weight vectors generation method for R2 indicator based evolutionary multiobjective optimization algorithm. 2017 ,	0
1022	Stochastic Fractal Based Multiobjective Fruit Fly Optimization. 2017 , 27, 417-433	7
1021	On solving complex reliability optimization problem using multi-objective particle swarm optimization. 2017 , 115-131	10
1020	Transistor sizing in latch comparators to achieve optimum specifications. 2017 ,	
1019	A multiobjective box-covering algorithm for fractal modularity on complex networks. 2017 , 61, 294-313	25
1018	Evaluation of meta-heuristic optimization methods for home energy management applications. 2017 ,	2
1017	A multi-objective optimization model for the design of an effective decarbonized supply chain in mining. 2017 , 193, 449-464	21
1016	Multi-objective evolutionary optimization of prediction intervals for solar energy forecasting with neural networks. 2017 , 418-419, 363-382	44
1015	An efficient multi-objective model and algorithm for sizing a stand-alone hybrid renewable energy system. 2017 , 141, 2288-2299	52
1014	Model-Based Multiobjective Optimization Methods for Efficient Management of Subsurface Flow. 2017 , 22, 1984-1998	17

1013	Cloud Service Resource Allocation with Particle Swarm Optimization Algorithm. 2017 , 523-532	2
1012	. 2017 ,	6
1011	Physical-property-, lithology- and surface-geometry-based joint inversion using Pareto Multi-Objective Global Optimization. 2017 , 209, 730-748	16
1010	An Empirical Study of Aggregation Operators with Pareto Dominance in Multiobjective Genetic Algorithm. 2017 , 63, 493-503	3
1009	Multi-objective heuristics applied to robot task planning for inspection plants. 2017 ,	1
1008	Modeling, analysis and simulation on searching for global optimum region of particle swarm optimization. 2017 ,	0
1007	Fuzzy multi-objective sparse feature learning. 2017 ,	
1006	Solving a bi-objective unrelated parallel batch processing machines scheduling problem: A comparison study. 2017 , 88, 71-90	21
1005	Multiobjective Optimization of Multistage Synchronous Induction Coilgun Based on NSGA-II. 2017 , 45, 1622-1628	25
1004	Optimization of the flux modulation poles for Vernier machines with concentrated windings. 2017 ,	5
1003	Multi-objective feature selection for warfarin dose prediction. 2017 , 69, 126-133	29
1002	The optimum design of RAM cell based on the modified-GDI method using Non-dominated Sorting Genetic Algorithm II (NSGA-II). 2017 , 32, 4095-4108	10
1001	A novel multi-objective approach based on improved electromagnetism-like algorithm to solve optimal power flow problem considering the detailed model of thermal generators. 2017 , 27, e2293	8
1000	Digital filter design using quantum-inspired multiobjective cat swarm optimization algorithm. 2017 , 327-359	1
999	Duality evolution: an efficient approach to constraint handling in multi-objective particle swarm optimization. 2017 , 21, 7251-7267	17
998	Multi-objective system reliability-based optimization method for design of a fully parametric concept car body. 2017 , 49, 1247-1263	23
997	Cloud service reliability modelling and optimal task scheduling. 2017 , 11, 161-167	17
996	Price optimization for transportation service procurement with fuzzy random shipments: from shipper's perspective. 2017 , 9, 258-275	3

995	A derived heuristics based multi-objective optimization procedure for micro-grid scheduling. 2017 , 49, 1078-1096	14
994	FEMOEA: a fast and efficient multi-objective evolutionary algorithm. 2017 , 85, 113-135	5
993	A fast multi-objective optimization using an efficient ideal gas molecular movement algorithm. 2017 , 33, 477-496	17
992	A novel hybrid teaching learning based multi-objective particle swarm optimization. 2017 , 222, 11-25	40
991	Reliable optimisation design of vehicle structure crashworthiness under multiple impact cases. 2017 , 22, 26-37	9
990	Multi-objective ant lion optimizer: a multi-objective optimization algorithm for solving engineering problems. 2017 , 46, 79-95	293
989	. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 131-152	15.6 210
988	Selection of optimum parameters in multi-pass face milling for maximum energy efficiency and minimum production cost. 2017 , 140, 1805-1818	87
987	Multi-Objective Optimal Design of a Toroidally Wound Radial-Flux Halbach Permanent Magnet Array Limited Angle Torque Motor. 2017 , 64, 2962-2971	22
986	On design optimization for structural crashworthiness and its state of the art. 2017 , 55, 1091-1119	219
985	A Survey of Multi-Objective Optimization in Wireless Sensor Networks: Metrics, Algorithms, and Open Problems. 2017 , 19, 550-586	227
984	A Multiobjective Cooperative Coevolutionary Algorithm for Hyperspectral Sparse Unmixing. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 234-248	15.6 59
983	Multi-objective whale optimization. 2017 ,	6
982	A Simple Multi-Objective Optimization Based on the Cross-Entropy Method. 2017 , 5, 22272-22281	38
981	Multiobjective Optimization for Aircraft Arrival Sequencing and Scheduling. 2017 , 25, 115-122	7
980	COLREGs-Compliant Path Planning for Autonomous Surface Vehicles: A Multiobjective Optimization Approach. 2017 , 50, 13662-13667	21
979	Accelerating PSO based feedrate optimization for NURBS toolpaths using parallel computation with OpenMP. 2017 ,	1
978	A renewables-based load-balancing energy management system for energy internet. 2017 ,	3

- 977 Forecasting method for import and export trade on the basis of GMDH network model. **2017**, 20, 755-766 0
- 976 An efficient antenna placement method for MIMO radar under the situation of multiple interference regions. **2017**,
- 975 Automatisierter Designprozess mit Modellreduktion einer Axialmaschine. **2017**, 107, 59-62 1
- 974 Optimal capacity planning of MG with multi-energy coordinated scheduling under uncertainties considered. **2017**, 11, 4146-4157 5
- 973 A hybrid evolutionary algorithm for inter-cloud service composition. **2017**, 1
- 972 Multi-objective optimal power flow of power system with FACTS devices using PSO algorithm. **2017** , 2
- 971 Multi-objective JAYA algorithm based optimal location and sizing of distributed generation in a radial distribution system. **2017**, 2
- 970 A protein structure refinement method using bi-objective particle swarm optimization algorithm. **2017**, 0
- 969 A greenhouse system control based on a PSO tuned PI regulator. **2017**, 1
- 968 An adaptive genetic algorithm for monitoring kiwifruit's variant seedlings in tissue culture. **2017**,
- 967 Indicator-based multi-objective chemical reaction optimization for combined heat and power optimum power flow with thermodynamic model. **2017**,
- 966 Multi-objective control of central air conditioning system. **2017**, 1
- 965 Design of mixed static/dynamic output feedback controller using multi-objective distribute particle swarm optimization. **2017**,
- 964 A hybrid evolutionary algorithm and cell mapping method for multi-objective optimization problems. **2017**, 1
- 963 A differential evolution algorithm for dynamic multi-objective optimization. **2017**,
- 962 Multi-objective optimization of single machine scheduling with energy consumption constraints. **2017**, 1
- 961 Multi-objective Job Shop Scheduling using a Modified Artificial Bee Colony Algorithm. **2017**, 1
- 960 Multi-Objective Optimization Design of CFRP Winding Mortar Barrel with Metal Liner Based on MOPSO. **2017**, 753, 109-113

959	An Improved Multi-Objective Artificial Bee Colony Optimization Algorithm with Regulation Operators. 2017 , 8, 18	7
958	Multi-Objective Optimization Algorithm Based on Sperm Fertilization Procedure (MOSFP). 2017 , 9, 241	11
957	Non-Dominated Sorting Harmony Search Differential Evolution (NS-HS-DE): A Hybrid Algorithm for Multi-Objective Design of Water Distribution Networks. 2017 , 9, 587	18
956	Research on the Optimal Charging Strategy for Li-Ion Batteries Based on Multi-Objective Optimization. 2017 , 10, 709	27
955	Optimal Placement and Sizing of Renewable Distributed Generations and Capacitor Banks into Radial Distribution Systems. 2017 , 10, 811	24
954	Artificial mountain ape optimization algorithm for maximum power point tracking under partial shading condition. 2017 ,	3
953	Research on Multi-aircraft Cooperative Suppression Interference Array Based on an Improved Multiobjective Particle Swarm Optimization Algorithm. 2017 , 2017, 1-12	3
952	An Improved Multiobjective Particle Swarm Optimization Algorithm Using Minimum Distance of Point to Line. 2017 , 2017, 1-16	4
951	Multiswarm comprehensive learning particle swarm optimization for solving multiobjective optimization problems. 2017 , 12, e0172033	8
950	Hybrid Algorithm for Sparse Circular Array SLL Suppression under the Constraint of ADRR. 2017 ,	
949	A conceptual comparison of NSGA-II, OMOPSO and AbYss algorithms. 2017 , 7, 330	4
948	GFRP cutting parameters optimization using different MOEAs. 2017 ,	
947	An improved chaotic fruit fly optimization based on a mutation strategy for simultaneous feature selection and parameter optimization for SVM and its applications. 2017 , 12, e0173516	22
946	. 2017 ,	4
945	An improved multi-objective particle swarm optimization algorithm and its application in vehicle scheduling. 2017 ,	
944	Head Following Control Method of a Mobile Continuum Robot for Deep-Cavity Inspection. 2017 ,	
943	A multi-objective particle swarm algorithm based on the active learning approach. 2017 ,	
942	A MOPSO based faulty section location method for distribution networks with PVs. 2017 ,	2

941	Integrated optimum design of metal space frame radomes with variable size members involving electromagnetic and structural analysis. 2017 , 11, 1565-1571	8
940	Research of self-power Generation Scheduling Model Base on Multi-objective in Iron and Steel Enterprises. 2017 , 100, 02016	
939	A Gas Scheduling Optimization Model for Steel Enterprises. 2017 , 100, 05013	
938	A multi-objective method for solving assembly line balancing problem. 2017 , 1-10	3
937	A probabilistic scenario-based framework for solving stochastic dynamic economic emission dispatch with unit commitment. 2017 , 25, 4805-4817	
936	A Bi-Criteria Hybrid Grey Wolf Approach for Parallel Machine Job Scheduling. 2017 , 8, 49-71	1
935	. 2017 ,	2
934	An Entropy-Based Adaptive Hybrid Particle Swarm Optimization for Disassembly Line Balancing Problems. 2017 , 19, 596	21
933	An Improved Multiobjective Particle Swarm Optimization Based on Culture Algorithms. 2017 , 10, 46	1
932	Multi-objective modified differential evolution algorithm with archive-base mutation for solving multi-objective (p)-xylene oxidation process. 2018 , 29, 35-49	12
931	Broadband sound transmission loss enhancement of an arbitrary-thick hybrid smart composite plate using multi-objective particle swarm optimizationBased active control. 2018 , 29, 1724-1747	10
930	A Fuel Efficient Green Vehicle Routing Problem with varying speed constraint (F-GVRP). 2018 , 100, 131-144	87
929	A Constrained Decomposition Approach With Grids for Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 564-577	15.6 48
928	Multiobjective Optimization of a Hollow Plunger Type Solenoid for High Speed On/Off Valve. 2018 , 65, 3115-3124	29
927	Multi-objective spotted hyena optimizer: A Multi-objective optimization algorithm for engineering problems. 2018 , 150, 175-197	138
926	A novel hybrid forecasting system of wind speed based on a newly developed multi-objective sine cosine algorithm. 2018 , 163, 134-150	130
925	Multi-objective short-term scheduling of a renewable-based microgrid in the presence of tidal resources and storage devices. 2018 , 216, 367-381	40
924	Configuring Software Product Lines by Combining Many-Objective Optimization and SAT Solvers. 2018 , 26, 1-46	37

923	A Multi-Objective Hybrid Algorithm for Optimization of Grid Structures. 2018 , 10, 1850009	8
922	A multi-objective neural network trained with differential evolution for dynamic economic emission dispatch. 2018 , 100, 201-221	50
921	Multi-objective feasibility enhanced particle swarm optimization. 2018 , 50, 2013-2037	17
920	Deployment of multistatic radar system using multi-objective particle swarm optimisation. 2018 , 12, 485-493	21
919	Applications of multi-objective dimension-based firefly algorithm to optimize the power losses, emission, and cost in power systems. 2018 , 68, 322-342	40
918	A Pareto optimization-based approach to clustering and routing in Wireless Sensor Networks. 2018 , 114, 57-69	37
917	A quarter century of particle swarm optimization. 2018 , 4, 227-239	36
916	Multi-objective ensemble forecasting with an application to power transformers. 2018 , 68, 233-248	33
915	A Collaborative Neurodynamic Approach to Multiobjective Optimization. 2018 , 29, 5738-5748	37
914	Decision support system for multicriteria reconfiguration of power distribution systems using CSO and efficient graph traversal and repository management techniques. 2018 , 28, e2579	6
913	A self-adaptive multi-objective harmony search based fuzzy clustering technique for image segmentation. 2018 , 1	5
912	A multi-objective artificial algae algorithm. 2018 , 68, 377-395	23
911	Confidence-based robust optimisation using multi-objective meta-heuristics. 2018 , 43, 109-126	11
910	A bi-objective mixed-model assembly line sequencing problem considering customer satisfaction and customer buying behaviour. 2018 , 50, 2123-2142	12
909	Algebraic Methods for Multiobjective Optimal Design of Control Feedbacks for Linear Systems. 2018 , 63, 4188-4203	8
908	Multi-objective path planning for unmanned surface vehicle with currents effects. 2018 , 75, 137-156	95
907	Research and application of a hybrid forecasting framework based on multi-objective optimization for electrical power system. 2018 , 148, 59-78	110
906	Robust multiobjective portfolio with higher moments. 2018 , 100, 165-181	29

905	A diversity enhanced multiobjective particle swarm optimization. 2018 , 436-437, 441-465	15
904	A multi-objective and PSO based energy efficient path design for mobile sink in wireless sensor networks. 2018 , 46, 122-136	56
903	Real time eco-driving of high speed trains by simulation-based dynamic multi-objective optimization. 2018 , 84, 50-68	21
902	Improved normalised normal constraint method to solve multi-objective optimal power flow problem. 2018 , 12, 859-872	16
901	ND-Tree-Based Update: A Fast Algorithm for the Dynamic Nondominance Problem. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 778-791	15,6 22
900	A Novel Sequential-Stage Optimization Strategy for an Interior Permanent Magnet Synchronous Generator Design. 2018 , 65, 1781-1790	15
899	An image contrast enhancement algorithm for grayscale images using particle swarm optimization. 2018 , 77, 23371-23387	24
898	Multi-Objective Optimal Design of Bearingless Switched Reluctance Motor Based on Multi-Objective Genetic Particle Swarm Optimizer. 2018 , 54, 1-13	28
897	Development of a multi-objective optimization evolutionary algorithm based on educational systems. 2018 , 48, 2954-2966	3
896	Multiobjective Environment/Economic Power Dispatch Using Evolutionary Multiobjective Optimization. 2018 , 6, 13066-13074	8
895	Two-stage multi-objective OPF for AC/DC grids with VSC-HVDC: Incorporating decisions analysis into optimization process. 2018 , 147, 286-296	62
894	A bi-objective load balancing model in a distributed simulation system using NSGA-II and MOPSO approaches. 2018 , 63, 249-267	45
893	Multi-objective optimization framework for the selection of configuration and equipment sizing of solar thermal combisystems. 2018 , 145, 182-194	10
892	Multi-objective simplified swarm optimization with weighting scheme for gene selection. 2018 , 65, 58-68	15
891	Car-like mobile robot path planning in rough terrain using multi-objective particle swarm optimization algorithm. 2018 , 282, 42-51	38
890	Multi-objective particle swarm optimization of component size and long-term operation of hybrid energy systems under multiple uncertainties. 2018 , 10, 015902	6
889	Optimal novel super-twisting PID sliding mode control of a MEMS gyroscope based on multi-objective bat algorithm. 2018 , 24, 2835-2846	43
888	Conflict resolution-motivated strategy towards integrated construction site layout and material logistics planning: A bi-stakeholder perspective. 2018 , 87, 138-157	15

887	Exergy analysis and multiobjective optimization of a biomass gasification based multigeneration system. 2018 , 43, 2631-2644	32
886	A comparative study on empty and foam-filled hybrid material double-hat beams under lateral impact. 2018 , 129, 327-341	28
885	Bare-Bones Multiobjective Particle Swarm Optimization Based on Parallel Cell Balanceable Fitness Estimation. 2018 , 6, 32493-32506	5
884	Simultaneous detection of multiple inherited metabolic diseases using GC-MS urinary metabolomics by chemometrics multi-class classification strategies. 2018 , 186, 489-496	13
883	A predictive framework for ECG signal processing using controlled nonlinear transformation. 2018 ,	4
882	Operating Parameters Optimization for the Aluminum Electrolysis Process Using an Improved Quantum-Behaved Particle Swarm Algorithm. 2018 , 14, 3405-3415	26
881	Multi-objective whale optimization algorithm for content-based image retrieval. 2018 , 77, 26135-26172	73
880	Coupling control and optimization at the Canadian Light Source. 2018 , 892, 1-9	2
879	Density Peak Clustering algorithm using knowledge learning-based fruit fly optimization. 2018 , 40, 1-10	2
878	Developing a simulation-optimisation model for quantitative and qualitative control of urban run-off using best management practices. 2018 , 11, S340-S351	15
877	Multiobjective model for solving resource-leveling problem with discounted cash flows. 2018 , 25, 2009-2030	8
876	Many-objective E-dominance dynamical evolutionary algorithm based on adaptive grid. 2018 , 22, 137-146	6
875	A multi-objective model for discovering high-quality knowledge based on data quality and prior knowledge. 2018 , 20, 401-416	12
874	Multi-objective, multi-period location-routing model to distribute relief after earthquake by considering emergency roadway repair. 2018 , 30, 835-854	33
873	Multiobjective Program and Hybrid Imperialist Competitive Algorithm for the Mixed-Model Two-Sided Assembly Lines Subject to Multiple Constraints. 2018 , 48, 119-129	19
872	Particle Swarm Optimization With a Balanceable Fitness Estimation for Many-Objective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 32-46	15.6 116
871	An economic load dispatch and multiple environmental dispatch problem solution with microgrids using interior search algorithm. 2018 , 30, 2173-2189	27
870	Solving Multiobjective Optimization Problems Using Hybrid Cooperative Invasive Weed Optimization With Multiple Populations. 2018 , 48, 821-832	34

869	Multiobjective reliability-based design optimisation for front structure of an electric vehicle using hybrid metamodel accuracy improvement strategy-based probabilistic sufficiency factor method. 2018 , 23, 290-301	5
868	An Efficient Particle Swarm Optimization for Large-Scale Hardware/Software Co-Design System. 2018 , 27, 1741001	47
867	Particle swarm optimization algorithm: an overview. 2018 , 22, 387-408	476
866	A new bi-objective periodic vehicle routing problem with maximization market share in an uncertain competitive environment. 2018 , 37, 1680-1702	2
865	Feasibility enhanced particle swarm optimization for constrained mechanical design problems. 2018 , 232, 381-400	5
864	Simultaneous optimization of fixture and cutting parameters of thin-walled workpieces based on particle swarm optimization algorithm. 2018 , 94, 67-76	10
863	Swarm intelligent based contrast enhancement algorithm with improved visual perception for color images. 2018 , 77, 12701-12724	13
862	Antenna deployment method for multistatic radar under the situation of multiple regions for interference. 2018 , 143, 292-297	21
861	Objective reduction particle swarm optimizer based on maximal information coefficient for many-objective problems. 2018 , 281, 1-11	9
860	Differential evolution for filter feature selection based on information theory and feature ranking. 2018 , 140, 103-119	166
859	Improving multi-criterion optimization with chaos: a novel Multi-Objective Chaotic Crow Search Algorithm. 2018 , 29, 319-335	31
858	Exergoeconomic analysis and optimization of a solar based multigeneration system using multiobjective differential evolution algorithm. 2018 , 170, 978-990	47
857	Two-stage multi-objective location-routing-inventory model for humanitarian logistics network design under uncertainty. 2018 , 27, 290-306	58
856	A hybrid desirability function approach for tuning parameters in evolutionary optimization algorithms. 2018 , 114, 417-427	19
855	Multidisciplinary design of a guided flying vehicle using simplex nondominated sorting genetic algorithm II. 2018 , 57, 705-720	9
854	A modified multi-objective particle swarm optimization approach and its application to the design of a deepwater composite riser. 2018 , 34, 275-284	3
853	Using metaheuristic algorithms to solve a multi-objective industrial hazardous waste location-routing problem considering incompatible waste types. 2018 , 170, 227-241	97
852	An intelligent sampling approach for metamodel-based multi-objective optimization with guidance of the adaptive weighted-sum method. 2018 , 57, 1047-1060	12

851	Pareto front feature selection based on artificial bee colony optimization. 2018 , 422, 462-479	162
850	A multi-objective optimization for brush monofilament tufting process design. 2018 , 5, 120-136	3
849	Stochastic dynamic economic emission dispatch with unit commitment problem considering wind power integration. 2018 , 28, e2472	13
848	MOGOA algorithm for constrained and unconstrained multi-objective optimization problems. 2018 , 48, 2268-2283	47
847	Synthesis of Conformal Phased Antenna Arrays With A Novel Multiobjective Invasive Weed Optimization Algorithm. 2018 , 72, 209-219	3
846	Uncertainty modeling for chaotic time series based on optimal multi-input multi-output architecture: Application to offshore wind speed. 2018 , 156, 597-617	32
845	A decomposition-based archiving approach for multi-objective evolutionary optimization. 2018 , 430-431, 397-413	65
844	Multi objective geometric optimization of phase change material based cylindrical heat sinks with internal stem and radial fins. 2018 , 5, 238-251	11
843	An adaptive multi-objective evolutionary algorithm for constrained workflow scheduling in Clouds. 2018 , 36, 339-368	20
842	Multiobjective Patient Stratification Using Evolutionary Multiobjective Optimization. 2018 , 22, 1619-1629	8
841	Performance analysis and multi-objective optimization of a Stirling engine based on MOPSOCD. 2018 , 124, 399-406	24
840	Multi-objective robust design optimization of fatigue life for a welded box girder. 2018 , 50, 1252-1269	7
839	Energy absorption characteristics of multi-frusta configurations under axial impact loading. 2018 , 122, 147-157	16
838	Multi-objective structural-acoustic optimization of beams made of functionally graded materials. 2018 , 185, 221-228	23
837	Influence of Design Reference on Tracking Performance of Feedback Control. 2018 , 24, 66-72	2
836	A novel multi-cell tubal structure with circular corners for crashworthiness. 2018 , 122, 329-343	52
835	Multi-swarm multi-objective optimization based on a hybrid strategy. 2018 , 57, 1619-1629	15
834	A new method to optimize natural convection heat sinks. 2018 , 54, 2571-2580	11

833	Meta-heuristic based reliable and green workflow scheduling in cloud computing. 2018 , 9, 811-820	6
832	Multiobjective optimization of thermohydrodynamic journal bearing using MOPSO algorithm. 2018 , 232, 657-671	9
831	Design of optimal CMOS ring oscillator using an intelligent optimization tool. 2018 , 22, 8151-8166	9
830	A novel large-scale task processing approach for big data across multi-domain. 2018 , 10, 168781401881495	
829	Determining Relation Between Size of Polarized Inductive Couplers and Nominal Airgap. 2018 ,	
828	Remote sensing imagery segmentation based on multi-objective optimization algorithms. 2018 ,	1
827	A Multi-objective Particle Swarm Optimizer Based on Simulated Annealing and Decomposition. 2018 ,	0
826	An efficient layered robot path planning approach based on MOPSO algorithm. 2018 ,	1
825	Multi-objective Optimization for SDN Based Resource Selection. 2018 ,	2
824	Optimal Placement and Sizing for Fault Current Limiters: Multi-Objective Optimization Approach. 2018 ,	2
823	A Comparative Study of Vehicle Front Shape Based on Multi-Objective Optimization for Minimizing Injury Risks in Pedestrian and Cyclist Impact. 2018 ,	3
822	Advances in Soft Computing. 2018 ,	
821	A Particle Swarm Optimization for Selective Pickup and Delivery Problem. 2018 ,	2
820	An Improved Multiobjective Quantum-Behaved Particle Swarm Optimization Based on Double Search Strategy and Circular Transposon Mechanism. 2018 , 2018, 1-22	9
819	Universal Swarm Optimizer for Multi-objective Functions. 2018 , 50-61	
818	A Novel Medical Image Fusion Method Based on MCA and MOPSO. 2018 ,	0
817	Multi-Objective Optimization for Green Dual-Channel Supply Chain Network Design Considering Transportation Mode Selection. 2018 , 11, 1-21	5
816	A Robust Volt/Var Control Via Multi-Objective optimization. 2018 ,	2

815	Parameters Estimation in Topological Kernel Bayesian ART using Multi-objective Particle Swarm Optimization. 2018,	
814	Adaptive Multi-objective Search in a Swarm vs Swarm Context. 2018,	1
813	A Multiple Objective PSO-Based Approach for Data Sanitization. 2018,	2
812	An Exact GeometryBased Algorithm for Path Planning. 2018, 28, 493-504	4
811	Particle Swarm Optimization as Applied to Electromagnetic Design Problems. 2018, 9, 47-82	8
810	Structural Parameter Optimization of Helical Baffles Heat Exchanger Based on MOPSO. 2018, 186, 012038	
809	Multi-Robot Box-Pushing Using VIKOR Induced Particle Swarm optimization. 2018,	
808	Design of Antenna Rapid Optimization Platform Based on Intelligent Algorithms and Surrogate Models. 2018,	0
807	Research on Manufacturing Process Control Based on Multi-Agent-System. 2018,	1
806	Integrated Pitch Control System Design of a Wind Turbine by Using Multiobjective Optimization. 2018, 51, 239-244	9
805	IAE and ISE Performance Criterion Based Loop Filter Tuning of Transport Delay-Phase Locked Loop (TD-PLL) for Single Phase Grid Connected Inverters. 2018,	1
804	OPTIMAL DAMPER DESIGN STRATEGY FOR BRACED STRUCTURES BASED ON GENERALIZED RESPONSE SPECTRUM ANALYSIS. 2018, 83, 1689-1699	4
803	Multi-Objective Hybrid WIPSO-GSA Algorithm Based DG and Capacitor Planning for Loss Reduction and Loadability Enhancement in Distribution System. 2018,	
802	Weapon-Target Assignment Problem by Multiobjective Evolutionary Algorithm Based on Decomposition. 2018, 2018, 1-19	12
801	Enhanced Multi-Objective Teaching-Learning-Based Optimization for Machining of Delrin. 2018, 6, 51528-51546	0
800	Noisy Multi-objective Optimization for Multi-robot Box-Pushing Application. 2018, 243-305	
799	Enhancing Noise-Tolerant Behavior of Traditional Evolutionary and Swarm Algorithms. 2018, 307-353	
798	Parallel Multi-Objective Particle Swarm Optimization for Large Swarm and High Dimensional Problems. 2018,	3

797	An effective emergency logistics scheduling model based on multi-objective optimization algorithms. 2018,	1
796	Dynamic Multi-Objective Workflow Scheduling for Cloud Computing Based on Evolutionary Algorithms. 2018,	5
795	Production Process Optimization of Metal Mines Considering Economic Benefit and Resource Efficiency Using an NSGA-II Model. 2018, 6, 228	11
794	Time-Energy-Jerk Dynamic Optimal Trajectory Planning for Manipulators Based on Quintic NURBS. 2018,	3
793	Low-Sidelobe Pattern Synthesis for Sparse Conformal Arrays Based on PSO-SOCP Optimization. 2018, 6, 77429-77439	19
792	Optimization design for foam-filled double cylindrical tubes under multiple lateral impacts. 2018, 10, 168781401881123	5
791	Multi-objective Optimization. 2018, 177-204	2
790	A Day-Ahead Renewables-Based Power Scheduling System for Internet of Energy. 2018,	1
789	Trade-off between the costs and the fairness for a collaborative production planning problem in make-to-order manufacturing. 2018, 126, 421-434	8
788	Multi-objective integrated planning and scheduling model for operating rooms under uncertainty. 2018, 232, 930-948	7
787	The Design of Contactors Based on the Niching Multiobjective Particle Swarm Optimization. 2018, 2018, 1-10	2
786	Optimization of Geometric Parameters of Longitudinal-Connected Air Suspension Based on a Double-Loop Multi-Objective Particle Swarm Optimization Algorithm. 2018, 8, 1454	7
785	A Multistrategy-Based Multiobjective Differential Evolution for Optimal Control in Chemical Processes. 2018, 2018, 1-22	4
784	Analysis and Simulation on Imaging Performance of Backward and Forward Bistatic Synthetic Aperture Radar. 2018, 10, 1676	5
783	Microgrid Sizing with Environmental and Economic Optimization. 2018,	4
782	Multiobjective Optimization. 2018, 249-267	
781	Multi Objective Scheduling in Cloud Computing Using MOSSO. 2018,	4
780	Investigation and Comparison of the Performance of Multi-Objective Evolutionary Algorithms Based on Decomposition and Dominance in Portfolio Optimization. 2018,	1

779	Robust Optimization for Integrated Construction Scheduling and Multiscale Resource Allocation. 2018 , 2018, 1-17	2
778	A personalised user preference and feature based semantic information retrieval system in semantic web search. 2018 , 9, 256	6
777	Simultaneous prediction interval-based multiobjective solution approach for multiple quality characteristics optimization. 2018 ,	
776	Adoption of an improved PSO to explore a compound multi-objective energy function in protein structure prediction. 2018 , 72, 539-551	14
775	Study of Optimization of Air Route Networks and Locations of Crossing Waypoints for SEA. 2018 ,	
774	Sustainable Management of Reservoir Water Quality and Quantity Through Reservoir Operational Strategy and Watershed Control Strategies. 2018 , 12, 773-788	9
773	Multi-objective social spider optimisation algorithm. 2018 , 2018, 1521-1527	1
772	NSGA-II algorithm for hub location-allocation problem considering hub disruption and backup hub allocation. 2021 , ahead-of-print,	0
771	Robust electric transit route network design problem (RE-TRNDP) with delay considerations: Model and application. 2021 , 129, 103255	8
770	Performance Analysis and Comparison of Four Conventional Multi-objective Optimization Algorithms. 2021 ,	
769	A multi-objective feature selection method using Newton's law based PSO with GWO. 2021 , 107, 107394	7
768	A Novel Edge Rewire Mechanism Based on Multiobjective Optimization for Network Robustness Enhancement. 2021 , 9,	1
767	Salp Swarm Optimizer for Modeling Software Reliability Prediction Problems. 2021 , 53, 4451	2
766	A survey on dragonfly algorithm and its applications in engineering. 1	1
765	Carbon emission reduction effect of transportation structure adjustment in China: an approach on multi-objective optimization model. 2021 , 1	1
764	A New Ground-Based Pseudolite System Deployment Algorithm Based on MOPSO. 2021 , 21,	0
763	A JIT part supply scheduling strategy with electric transport device between central receiving store and supermarkets in the automobile industry considering energy. 2021 , 9, 100126	1
762	Multi-objective reference point based enriched swarm optimization with an application to blood supply chain under natural disaster. 2021 , 41, 715-733	

761	Reference-lines steered guide assignment and update for pareto-based many-objective particle swarm optimization. 1	0
760	A fuzzy theory-based machine learning method for workdays and weekends short-term load forecasting. 2021 , 245, 111072	1
759	Two-echelon multi-period location routing problem with shared transportation resource. 2021 , 226, 107168	3
758	Multi-objective Task Scheduling in cloud-fog computing using goal programming approach. 1	5
757	Modeling and Optimization for Multi-Objective Nonidentical Parallel Machining Line Scheduling with a Jumping Process Operation Constraint. 2021 , 13, 1521	1
756	DMO-QPSO: A Multi-Objective Quantum-Behaved Particle Swarm Optimization Algorithm Based on Decomposition with Diversity Control. 2021 , 9, 1959	2
755	Optimal Design of IPMSM for EV Using Subdivided Kriging Multi-Objective Optimization. 2021 , 9, 1490	1
754	A novel multi-objective forest optimization algorithm for wrapper feature selection. 2021 , 175, 114737	17
753	Optimizing the performance of vehicular delay tolerant networks using multi-objective PSO and artificial intelligence. 2021 , 177, 10-23	2
752	Evolutionary Multi-Objective One-Shot Filter Pruning for Designing Lightweight Convolutional Neural Network. 2021 , 21,	0
751	Optimization of Burgers creep damage model of frozen silty clay based on fuzzy random particle swarm algorithm. 2021 , 11, 18974	0
750	Multi-objective scheduling of relief logistics based on swarm intelligence algorithms and spatio-temporal traffic flow. 2021 ,	1
749	Constraint handling technique based on Lebesgue measure for constrained multiobjective particle swarm optimization algorithm. 2021 , 227, 107131	6
748	Evolutionary state-based novel multi-objective periodic bacterial foraging optimization algorithm for data clustering. e12812	3
747	Reliability-Based Design Optimization under Mixed Aleatory/Epistemic Uncertainties: Theory and Applications. 2021 , 7, 04021026	4
746	District heating in 100% renewable energy systems: Combining industrial excess heat and heat pumps. 2021 , 244, 114527	5
745	Path planning of spot welding robot based on multi-objective grey wolf algorithm. 2021 , 1-9	
744	Hybrid identification method of coupled viscoplastic-damage constitutive parameters based on BP neural network and genetic algorithm. 2021 , 108027	6

743	An Exhaustive Solution of Power System Unit Commitment Problem Using Enhanced Binary Salp Swarm Optimization Algorithm. 1	2
742	Application of Improved Particle Swarm Optimisation Algorithm in Hull form Optimisation. 2021 , 9, 955	3
741	A robust multiobjective solution approach for mean-variance optimisation of correlated multiple quality characteristics. 2021 , ahead-of-print,	
740	A Dynamic Framework for Multiobjective Mixed-Integer Optimal Power Flow Analyses. 2021 , 6, 1	1
739	Multi-objective Lyapunov-based controller design for nonlinear systems via genetic programming. 1	0
738	Implementation of meta-heuristic optimization algorithms for interview problem in land consolidation: A case study in Konya/Turkey. 2021 , 108, 105511	4
737	Designing Pareto optimal electricity retail rates when utility customers are prosumers. 2021 , 156, 112339	1
736	Evolutionary-based prediction interval estimation by blending solar radiation forecasting models using meteorological weather types. 2021 , 109, 107531	1
735	Optimal placement of fixation system for scaffold-based mandibular reconstruction. 2021 , 126, 104855	1
734	Design of efficient multiobjective binary PSO algorithms for solving multi-item capacitated lot-sizing problem.	3
733	Demand Response with Volt/Var Optimization for unbalanced active distribution systems. 2021 , 300, 117361	5
732	Shape optimization of GFRP elastic gridshells by the weighted Lagrange μ -twin support vector machine and multi-objective particle swarm optimization algorithm considering structural weight. 2021 , 33, 2066-2084	1
731	Crashworthiness design and optimization of nested structures with a circumferentially corrugated circular outer wall and inner ribs. 2021 , 167, 108219	4
730	Dynamic Bicycle Dispatching of Dockless Public Bicycle-sharing Systems Using Multi-objective Reinforcement Learning. 2021 , 5, 1-24	4
729	An Improved Multi-objective Particle Swarm Optimization with Mutual Information Feedback Model and Its Application. 1	
728	Multi-objective proportional integral derivative optimization algorithm for parameters optimization of double-fed induction generator-based wind turbines. 2021 , 110, 107673	0
727	On the performance of flax fibres in multi-objective design of laminated composite plates for buckling and cost. 2021 , 33, 3094-3106	4
726	A many-objective whale optimization algorithm to perform robust distributed clustering in wireless sensor network. 2021 , 110, 107650	4

725	Dynamic multiobjective optimization driven by inverse reinforcement learning. 2021 , 575, 468-484	1
724	Monostatic MIMO radar direction finding in impulse noise. 2021 , 117, 103198	2
723	Quantum marine predators algorithm for addressing multilevel image segmentation. 2021 , 110, 107598	3
722	Robust optimization of the continuous annealing process based on a novel Multi-Objective Dragonfly Algorithm. 2021 , 106, 104448	3
721	Comprehensive economic analysis and multi-objective optimization of an integrated gasification power generation cycle. 2021 , 155, 61-79	6
720	Low-carbon joint scheduling in flexible open-shop environment with constrained automatic guided vehicle by multi-objective particle swarm optimization. 2021 , 111, 107695	2
719	A multi-objective multi-micro-swarm leadership hierarchy-based optimizer for uncertain flexible job shop scheduling problem with job precedence constraints. 2021 , 182, 115214	2
718	A comprehensive techno-economic assessment of alkali surfactant-polymer flooding processes using data-driven approaches. 2021 , 7, 2681-2702	0
717	Dynamic economic emission dispatch considering renewable energy generation: A novel multi-objective optimization approach. 2021 , 235, 121407	13
716	A dual prediction strategy with inverse model for evolutionary dynamic multiobjective optimization. 2021 , 117, 196-209	0
715	Hybrid filter-wrapper feature selection using whale optimization algorithm: A multi-objective approach. 2021 , 183, 115312	9
714	Dynamic takt time decisions for paced assembly lines balancing and sequencing considering highly mixed-model production: An improved artificial bee colony optimization approach. 2021 , 161, 107616	1
713	Ultra-short-term wind-speed bi-forecasting system via artificial intelligence and a double-forecasting scheme. 2021 , 301, 117452	10
712	A many-objective evolutionary algorithm based on dominance and decomposition with reference point adaptation. 2021 , 231, 107392	1
711	MOMPA: Multi-objective marine predator algorithm. 2021 , 385, 114029	17
710	Optimization of selective withdrawal systems in hydropower reservoir considering water quality and quantity aspects. 2021 , 184, 115474	2
709	Entropy based robust portfolio. 2021 , 583, 126260	0
708	Multi-objective particle swarm optimization and training of datasheet-based load dependent lithium-ion voltage models. 2021 , 133, 107312	3

707	Feature information prediction algorithm for dynamic multi-objective optimization problems. 2021 , 295, 965-981	2
706	Efficient algorithms for decision making and coverage deployment of connected multi-low-altitude platforms. 2021 , 184, 115529	4
705	Intelligent Optimized Decision-Support System for Sewer Network Assets Improvement. 2021 , 27, 04021045	0
704	Elitist non-dominated sorting Harris hawks optimization: Framework and developments for multi-objective problems. 2021 , 186, 115747	6
703	BGSA: Broker Guided Service Allocation in Federated Cloud. 2021 , 32, 100609	
702	Electric vehicle powertrain and fuzzy controller optimization using a planar dynamics simulation based on a real-world driving cycle. 2022 , 238, 121979	9
701	Dynamic production optimization based on transfer learning algorithms. 2022 , 208, 109278	1
700	Optimal spatial sampling design for monitoring potentially toxic elements pollution on urban green space soil: A spatial simulated annealing and k-means integrated approach. 2022 , 802, 149728	2
699	Performance prediction and multi-objective optimization of metal seals in roller cone bits. 2022 , 208, 109316	0
698	Multi-objective lichtenberg algorithm: A hybrid physics-based meta-heuristic for solving engineering problems. 2022 , 187, 115939	5
697	An efficient slime mould algorithm for solving multi-objective optimization problems. 2022 , 187, 115870	18
696	A multi-objective particle swarm for constraint and unconstrained problems. 2021 , 33, 11355	2
695	Furnace-Grouping Problem Modeling and Multi-Objective Optimization for Special Aluminum. 2021 , 1-12	1
694	Monarch Butterfly Optimization for Reliable Scheduling in Cloud. 2021 , 69, 3693-3710	
693	A Survey on Evolutionary Neural Architecture Search. 2021 , PP,	31
692	Solving Multi-Objective Problems Using Bird Swarm Algorithm. 2021 , 9, 36382-36398	5
691	Integrated Optimization of Bus Route Adjustment With Passenger Flow Control for Urban Rail Transit. 2021 , 9, 63073-63093	0
690	Research of Multi-objective Component Assignment Problem for Lin/con/k/n System Considering Cost. 2021 , 1043, 032070	

689	Application of Population Based Incremental Learning Algorithm in Satellite Mission Planning. 2021 , 220-232		0
688	MO-NFSA for solving unconstrained multi-objective optimization problems. 1		
687	An Improved Multi-Objective Particle Swarm Optimization With TOPSIS and Fuzzy Logic for Optimizing Trapezoidal Labyrinth Weir. 2021 , 9, 25458-25472		5
686	Multi-objective Firefly Algorithm for Test Data Generation with Surrogate Model. 2021 , 283-299		
685	Multiobjective preimpact trajectory planning of space manipulator for self-assembling a heavy payload. 2021 , 18, 172988142199028		3
684	An Online Prediction Approach Based on Incremental Support Vector Machine for Dynamic Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	1
683	A Hybrid Algorithm Based on PSO and Simulated Annealing and Its Applications for Partner Selection in Virtual Enterprise. 2005 , 380-389		7
682	A Co-evolutionary Particle Swarm Optimization-Based Method for Multiobjective Optimization. 2005 , 349-359		1
681	Intelligent Particle Swarm Optimization in Multi-objective Problems. 2006 , 790-800		2
680	Multi-objective PSO Algorithm Based on Fitness Sharing and Online Elite Archiving. 2006 , 964-974		2
679	A Global Archive Sub-Population Genetic Algorithm with Adaptive Strategy in Multi-objective Parallel-Machine Scheduling Problem. 2006 , 730-739		13
678	Optimal Designing of Multi-channel WDM Filter Using Intelligent Particle Swarm Optimization Algorithm. 2006 , 205-212		1
677	An Adaptive Multi-objective Particle Swarm Optimization for Color Image Fusion. 2006 , 473-480		10
676	The Effects of Crowding Distance and Mutation in Multimodal and Multi-objective Optimization Problems. 2021 , 115-130		1
675	Design Optimization of Multi-objective Structural Engineering Problems Via Artificial Bee Colony Algorithm. 2021 , 73-98		1
674	Multi-objective Optimization. 2018 , 1-28		3
673	Bi-objective Discrete PSO for Service-Oriented VRPTW. 2015 , 445-460		2
672	Multi-objective PSO Algorithm for Feature Selection Problems with Unreliable Data. 2014 , 386-393		5

671	A Modified Multi-Objective Optimization Based on Brain Storm Optimization Algorithm. 2014 , 328-339	12
670	A Novel Boundary Based Multiobjective Particle Swarm Optimization. 2015 , 153-163	1
669	Particle Swarm Optimization for Multi-Objective Web Service Location Allocation. 2016 , 219-234	4
668	An Approach Using Particle Swarm Optimization and Rational Kernel for Variable Length Data Sequence Optimization. 2016 , 401-409	3
667	Multi-objective Brain Storm Optimization Based on Estimating in Knee Region and Clustering in Objective-Space. 2016 , 479-490	5
666	Neighborhood Learning Bacterial Foraging Optimization for Solving Multi-objective Problems. 2016 , 433-440	1
665	Normalized Ranking Based Particle Swarm Optimizer for Many Objective Optimization. 2017 , 347-357	2
664	Particle Swarm Optimization with Winning Score Assignment for Multi-objective Portfolio Optimization. 2017 , 1003-1015	2
663	Optimal Chiller Loading by MOEA/D for Reducing Energy Consumption. 2018 , 759-768	1
662	Evaluation of Evolutionary Algorithms for Multi-objective Train Schedule Optimization. 2004 , 803-815	5
661	Multi-resolution Image Fusion Using AMOPSO-II. 2006 , 343-352	1
660	Multiobjective Constriction Particle Swarm Optimization and Its Performance Evaluation. 2007 , 1131-1140	2
659	Handling Multiobjective Problems with a Novel Interactive Multi-Swarm PSO. 2008 , 575-582	1
658	Optimizing the DFCN Broadcast Protocol with a Parallel Cooperative Strategy of Multi-Objective Evolutionary Algorithms. 2009 , 305-319	6
657	Multiobjective Evolutionary Algorithms for Electric Power Dispatch Problem. 2009 , 47-82	7
656	Adaptive Differential Evolution for Multi-objective Optimization. 2009 , 9-16	1
655	Multiobjective Algorithms Hybridization to Optimize Broadcasting Parameters in Mobile Ad-Hoc Networks. 2009 , 728-735	3
654	Exploring Feasible and Infeasible Regions in the Vehicle Routing Problem with Time Windows Using a Multi-objective Particle Swarm Optimization Approach. 2009 , 103-114	10

653	Optimizing Decision Trees Using Multi-objective Particle Swarm Optimization. 2009 , 93-114	9
652	Particle Swarm Optimizer Based on Dynamic Neighborhood Topology. 2009 , 794-803	5
651	A Discrete PSO for Multi-objective Optimization in VLSI Floorplanning. 2009 , 400-410	2
650	Multiobjective Gaussian Particle Swarm Approach Applied to Multi-loop PI Controller Tuning of a Quadruple-Tank System. 2010 , 1-16	3
649	Use of Multiobjective Evolutionary Algorithms in Water Resources Engineering. 2010 , 45-82	0
648	Micro-MOPSO: A Multi-Objective Particle Swarm Optimizer That Uses a Very Small Population Size. 2010 , 83-104	13
647	Multi-Objective Wavelet-Based Pixel-Level Image Fusion Using Multi-Objective Constriction Particle Swarm Optimization. 2010 , 151-178	3
646	Evolution of Biped Walking Using Truncated Fourier Series and Particle Swarm Optimization. 2010 , 344-354	8
645	An Improved Particle Swarm Optimization for Permutation Flowshop Scheduling Problem with Total Flowtime Criterion. 2010 , 144-151	2
644	A Novel Smart Multi-Objective Particle Swarm Optimisation Using Decomposition. 2010 , 1-10	21
643	Co-ordinated Design of AVR-PSS Using Multi Objective Genetic Algorithm. 2010 , 481-493	5
642	An Artificial Physics Optimization Algorithm for Multi-Objective Problems Based on Virtual Force Sorting Proceedings. 2010 , 615-622	2
641	Application of MOPSO and MOCLPSO for the Optimal Placement of TCSCs. 2011 , 137-144	1
640	Biped Walking Using Coronal and Sagittal Movements Based on Truncated Fourier Series. 2011 , 324-335	11
639	A PSO-Based Hybrid Multi-Objective Algorithm for Multi-Objective Optimization Problems. 2011 , 26-33	1
638	Low Complexity PSO-Based Multi-objective Algorithm for Delay-Constraint Applications. 2011 , 274-283	4
637	A Comprehensive Study of Particle Swarm Based Multi-objective Optimization. 2012 , 689-701	1
636	Using Genetic Algorithm to Goal Programming Model of Solving Economic-Environmental Electric Power Generation Problem with Interval-Valued Target Goals. 2012 , 156-169	1

635	Real-Time Multi-view Human Motion Tracking Using Particle Swarm Optimization with Resampling. 2012 , 92-101	12
634	A Mixed Strategy Multi-Objective Coevolutionary Algorithm Based on Single-Point Mutation and Particle Swarm Optimization. 2012 , 174-184	1
633	Multi-objective Self-Adaptive Differential Evolution with Dividing Operator and Elitist Archive. 2012 , 415-429	1
632	Velocity-Free Multi-Objective Particle Swarm Optimizer with Centroid for Wireless Sensor Network Optimization. 2012 , 682-689	2
631	Solving Composite Test Functions Using Teaching-Learning-Based Optimization Algorithm. 2013 , 395-403	3
630	An Approach for Diversity and Convergence Improvement of Multi-Objective Particle Swarm Optimization. 2013 , 495-503	2
629	Data Mining Using Parallel Multi-objective Evolutionary Algorithms on Graphics Processing Units. 2013 , 287-307	16
628	Method to Estimate Optimal Parameters. 2018 , 1-39	3
627	Multi-Objective Particle Swarm Optimization Algorithm Based on Population Decomposition. 2013 , 463-470	3
626	Comprehensive Analysis of Cooperative Particle Swarm Optimization with Adaptive Mixed Swarm. 2014 , 77-86	1
625	Design of Controllers Using PSO Technique for Second-Order Stable Process with Time Delay. 2020 , 143-152	1
624	Multi-objective Particle Swarm Optimization for Botnet Detection in Internet of Things. 2020 , 203-229	6
623	Multi-objective service composition model based on cost-effective optimization. 2018 , 48, 651-669	17
622	Trajectory planning and coordination control of a space robot for detumbling a flexible tumbling target in post-capture phase. 2021 , 52, 281	3
621	Development of a multi-objective artificial tree (MOAT) algorithm and its application in acoustic metamaterials. 2020 , 12, 165-184	5
620	A mayfly optimization algorithm. 2020 , 145, 106559	142
619	Multi-criteria decision-making under uncertainty conditions of a shell-and-tube heat exchanger. 2020 , 155, 119716	6
618	Granular neural networks: The development of granular input spaces and parameters spaces through a hierarchical allocation of information granularity. 2020 , 517, 148-166	5

617	A general multi-objective optimized wavelet filter and its applications in fault diagnosis of wheelset bearings. 2020 , 145, 106914	18
616	Stochastic planning of islanded microgrids with uncertain multi-energy demands and renewable generations. 2020 , 14, 4179-4192	4
615	A Knowledge-Based Two-Population Optimization Algorithm for Distributed Energy-Efficient Parallel Machines Scheduling. 2020 , PP,	12
614	Optimizing a New Configuration of a Proton Exchange Membrane Fuel Cell Cycle With Burner and Reformer Through a Particle Swarm Optimization Algorithm for Residential Applications. 2019 , 16,	6
613	Constructability optimal design of reinforced concrete retaining walls using a multi-objective genetic algorithm. 2013 , 47, 227-245	26
612	Optimum design of steel frame structures considering construction cost and seismic damage. 2015 , 16, 1-26	12
611	Collaborative multicenter logistics delivery network optimization with resource sharing. 2020 , 15, e0242555	4
610	Design of distributed optical-fiber raman amplifiers using multi-objective particle swarm optimization. 2011 , 10, 323-336	7
609	A Fuzzy Multiobjective Particle Swarm Optimized TS Fuzzy Logic Congestion Controller for Wireless Local Area Networks. 2011 , 15, 41-54	6
608	Multi-objective optimization design for a battery pack of electric vehicle with surrogate models. 2016 , 18, 2343-2358	7
607	Intelligent Security and Privacy of Electronic Health Records Using Biometric Images. 2019 , 15, 386-394	4
606	Solution of Nonlinear Systems of Equations via Metaheuristics. 2019 , 4, 1108-1126	6
605	Research on Evolutionary Multi-Objective Optimization Algorithms. 2009 , 20, 271-289	91
604	A COST-SENSITIVE LOGISTIC REGRESSION CREDIT SCORING MODEL BASED ON MULTI-OBJECTIVE OPTIMIZATION APPROACH. 2019 , 26, 405-429	10
603	Multi-objective Optimization using Chaos Based PSO. 2011 , 10, 1908-1916	15
602	A novel optimization approach to estimating kinetic parameters of the enzymatic hydrolysis of corn stover. 2016 , 4, 52-67	4
601	Elitist-Mutated Multi-Objective Particle Swarm Optimization for Engineering Design. 2015 , 3534-3545	4
600	Multiobjective Optimization in Water and Environmental Systems Management- MODE Approach. 2016 , 120-136	2

599	Swarm Intelligence for Multi-Objective Optimization in Engineering Design. 2018 , 239-250	0
598	Evolutionary Algorithms for Multi-Objective Scheduling in a Hybrid Manufacturing System. 2018 , 162-187	4
597	Evolutionary Multi-Objective Optimization in Finance. 2007 , 74-89	3
596	Task Allocation and Path Planning of a Multi-Robot System Using Heuristic Coupled Particle Swarm Optimization Algorithm. 2020 , 194-209	1
595	Investigating the Use of a Modified NSGA-II Solution for Land-Use Planning in Mediterranean Islands. 2016 , 08, 369-386	3
594	Optimal Design for Maximum Fundamental Frequency and Minimum Intermediate Support Stiffness for Uniform and Stepped Beams Composed of Different Materials.	3
593	Multi-Objective Optimal Configuration of Reconfigurable Test Platform: A Modified Discrete Particle Swarm Optimization Approach. 2014 , 9,	1
592	Structure Design of Twin-Spirals Scroll Compressor Based on 3C. 2012 , 7,	2
591	Robust multi-objective calibration strategies enhances for improving flood forecasting.	2
590	Identification of Fuzzy Inference Systems Using a Multi-objective Space Search Algorithm and Information Granulation. 2011 , 6, 853-866	13
589	Multi-Objective Trajectory Planning of FFSM Carrying a Heavy Payload. 2015 , 12, 118	3
588	OUP accepted manuscript.	2
587	Multi-Swarm Co-evolution based Hybrid Intelligent Optimization for Bi-objective Multi-Workflow Scheduling in the Cloud. 2021 , 1-1	3
586	ALGNN: Auto-Designed Lightweight Graph Neural Network. 2021 , 500-512	
585	Credible Web Service Composition based on Improved Multi-objective Particle Swarm Optimization. 2021 ,	0
584	An optimal nuclei segmentation method based on enhanced multi-objective GWO. 1	0
583	Multi-Objective Teaching-Learning-Based Optimization with Pareto Front for Optimal Design of Passive Power Filters. 2021 , 14, 6408	5
582	An Efficient Bi-Objective Optimization Workflow Using the Distributed Quasi-Newton Method and Its Application to Field Development Optimization. 2021 ,	1

581	Adaptive multi-objective particle swarm optimization using three-stage strategy with decomposition. 2021 , 25, 14645-14672	2
580	Multiobjective Genetic Algorithm applied to inverse finite element analysis: T-joint welding case study. 1-12	1
579	A new optimization algorithm to solve multi-objective problems. 2021 , 11, 20326	3
578	Solving the Dynamic Weapon Target Assignment Problem by an Improved Multiobjective Particle Swarm Optimization Algorithm. 2021 , 11, 9254	4
577	Research on hybrid feature selection method of power transformer based on fuzzy information entropy. 2021 , 50, 101433	3
576	Multicriteria recommendation based on bacterial foraging optimization.	1
575	Evolutionary Multitasking-Based Multiobjective Optimization Algorithm for Channel Selection in Hybrid Brain Computer Interfacing Systems. 2021 , 15, 749232	
574	Opposition-based multi-objective whale optimization algorithm with multi-leader guiding. 2021 , 25, 15131	0
573	Optimization of Water-Alternating-CO ₂ Injection Field Operations Using a Machine-Learning-Assisted Workflow. 2021 ,	0
572	Modeling the influence of fused filament fabrication processing parameters on the mechanical properties of ABS parts. 2021 , 71, 711-723	0
571	Adaptive multi-objective particle swarm optimization with multi-strategy based on energy conversion and explosive mutation. 2021 , 113, 107937	2
570	Intelligent Multiobjective Particle Swarm Optimization Based on AER Model. 2005 , 178-189	1
569	Adaptive Velocity Threshold Particle Swarm Optimization. 2006 , 327-332	2
568	Intelligent Particle Swarm Optimization Algorithm and Its Application in Optimal Designing of LPG Devices for Optical Communications Fields. 2006 , 166-175	
567	A Novel Hybrid Particle Swarm Optimization for Multi-Objective Problems. 2009 , 28-37	3
566	Active contour model based on multi-swarm particle swarm optimization. 2009 , 28, 2622-2624	
565	Multi-Objective PSO Based on Evolutionary Programming. 2010 , 602-610	
564	Swarm Intelligence. 2010 , 327-354	

- 563 Research on MGM(1,N| Γ)Model and Application. **2010**, 305-315
- 562 Multi-objective Particle Swarm Optimisation for Phase Specific Cancer Drug Scheduling. **2010**, 180-192 1
- 561 Optimizing Software Development Cost Estimates Using Multi-Objective Particle Swarm Optimization. **2010**, 46-65 0
- 560 Using CPSO-SVM and data fusion to calibrate temperature characteristic of thermal sensor. **2010**, 29, 3259-3262 1
- 559 References. **2010**, 597-639
- 558 References. **2010**, 367-405
- 557 Approximate Dynamic Programming Based Parameter Optimization of Particle Swarm Systems. **2010**, 36, 1171-1181 0
- 556 Cognitive Radio Decision Engine Based on CMOPSO. **2011**, 701-705
- 555 Tracking Multiple Targets with Adaptive Swarm Optimization. **2011**, 194-203 0
- 554 Multi-objective Particle Swarm Optimization Algorithm Based on the Disturbance Operation. **2011**, 591-600
- 553 Fully Connected Multi-Objective Particle Swarm Optimizer Based on Neural Network. **2011**, 170-177
- 552 Correlative Particle Swarm Optimization for Multi-objective Problems. **2011**, 17-25
- 551 Biologically-Inspired Optimal Video Streaming over Wireless LAN. **2011**, 188-197
- 550 Infeasibility Driven Evolutionary Algorithm with ARIMA-Based Prediction Mechanism. **2011**, 345-352 5
- 549 Advanced MOEPSO for Multi-objective Economic Load Dispatching in Consideration of CO2 Emission. **2011**, 131, 158-166
- 548 A New MOPSO to Solve a Multi-Objective Portfolio Selection Model with Fuzzy Value-at-Risk. **2011**, 217-226
- 547 An Adaptive Multi-Objective Particle Swarm Optimization Algorithm with Constraint Handling. **2011**, 221-239 5
- 546 Multi-objective particle swarm optimization based on crossover and mutation. **2011**, 31, 82-84 2

- 545 SM-PSO Algorithm-Based Configuration Optimal Design of Distributed SAR Satellite System. **2011**, 30, 2714-2718
- 544 References. **2011**, 377-400
- 543 Vector Evolved Multiobjective Particle Swarm Optimization Algorithm. **2012**, 295-301 ○
- 542 Using Multi-Objective Particle Swarm Optimization for Energy-Efficient Clustering in Wireless Sensor Networks. **2012**, 291-304
- 541 Constrained Multi-objective Particle Swarm Optimization Algorithm. **2012**, 47-55
- 540 Multi-sensor Satellite Image Analysis Using Niche Genetic Algorithm for Flood Assessment. **2012**, 49-56 1
- 539 Bibliography. 483-508
- 538 Towards Designing Human Centric Systems: A New View at Fuzzy Modeling with Granular Membership Functions. **2012**, 3-24
- 537 Binary Nearest Neighbor Classification of Predicting Pareto Dominance in Multi-objective Optimization. **2012**, 537-545 ○
- 536 Multi-class Classification Using an Improved Multiobjective Simultaneous Learning Framework. **2012**, 821-831
- 535 Application of Multi-Objective Evolutionary Algorithms to Antenna and Microwave Design Problems. **2012**, 75-101
- 534 Handling Multi-optimization with Gender-Hierarchy Based Particle Swarm Optimizer. **2012**, 101-108
- 533 Overview of Multiobjective Optimization. **2012**, 9-32
- 532 Variability-Aware Optimization of RF Integrated Inductors in Nanometer-Scale Technologies. **2013**, 271-287
- 531 References. 410-426
- 530 A Gateway Placement Scheme with Interference Constraints and Load Balance in Wireless Mesh Networks. **2012**, 35, 883-897
- 529 The Optimization Design of Main Circuit for Hybrid Active Power Filter. **2013**, 13-19
- 528 Multi Objective Optimization of Expense and Revenue in a Cognitive Radio Network Using NSGA-II. **2013**, 622-627

- 527 A Multiobjective Particle Swarm Optimizer for Constrained Optimization. **2013**, 71-95
- 526 Using Multi-objective Optimization PSO in SVM for Fingerprint Recognition. **2013**, 13, 3705-3711
- 525 Multiobjective Estimation of Distribution Algorithms Using Multivariate Archimedean Copulas and Average Ranking. **2014**, 591-601 0
- 524 Convergence Enhanced Multi-objective Particle Swarm Optimization with Introduction of Quorum-Sensing Inspired Turbulence. **2014**, 394-403
- 523 Optimization Design Strategies and Methods of Service Granularity. **2014**, 1445-1455
- 522 Multi-Objective Particle Swarm Optimization Algorithm Based on Differential Populations. **2012**, 510-517
- 521 An Improved VEPSO Algorithm for Multi-objective Optimisation Problems. **2015**, 253-263
- 520 Introduction to Multi-objective Evolutionary Algorithms. **2015**, 1-20 1
- 519 CLPS-GA for Energy-Aware Cloud Service Scheduling. **2015**, 191-224 1
- 518 Comparison of Various Approaches in Multi-objective Particle Swarm Optimization (MOPSO): Empirical Study. **2015**, 75-103 2
- 517 D-NSGA-II: Dual-Stage Nondominated Sorting Genetic Algorithm-II. **2015**, 291-297
- 516 A Particle Swarm Optimizer for Constrained Multiobjective Optimization. **2015**, 128-159 1
- 515 Particle Swarm Optimization. **2015**, 2, 54-87 5
- 514 Multi-objective PSO Based on Grid Strategy. **2015**, 717-724
- 513 Control Parameters Optimization for Spacecraft Large Angle Attitude Based on Multi-PSO. **2015**, 12-19
- 512 A New Multi-swarm Multi-objective Particle Swarm Optimization Based Power and Supply Voltage Unbalance Optimization of Three-Phase Submerged Arc Furnace. **2015**, 513-522
- 511 Multi-Domain Diversity Preservation to Mitigate Particle Stagnation and Enable Better Pareto Coverage in Mixed-Discrete Particle Swarm Optimization. **2015**,
- 510 A Two-tier Optimization Approach for Decision Making in Many-objective Problems. **2015**, 15, 21-29

- 509 Bio-Inspired and Information-Theoretic Signal Processing. **2015**, 493-532
- 508 Objective Space Partitioning with a Novel Conflict Information Measure for Many-Objective Optimization. **2016**, 599-605
- 507 Artificial Bee Colony Algorithm Based on Clustering Method and Its Application for Optimal Power Flow Problem. **2016**, 101-106
- 506 A Collaborative Learning Model in Teaching-Learning-Based Optimization: Some Numerical Results. **2016**, 466-472 0
- 505 Remote sensing imagery classification using multi-objective gravitational search algorithm. **2016**,
- 504 A Comprehensive Literature Review on Nature-Inspired Soft Computing and Algorithms. **2017**, 34-68 1
- 503 Microprocessors optimal power dissipation using combined threshold hopping and voltage scaling. **2017**, 14, 20171046-20171046 1
- 502 Network Community Discovery with Evolutionary Multi-objective Optimization. **2017**, 73-134
- 501 Let's Consider Two Objectives When Estimating Hand Postures. **2017**, 119-130
- 500 The construction and analysis of the 3C manufacturer-led distributor optimization consignment model using global search particle swarm optimization. **2017**, 60, 470-481 1
- 499 Multi-objective Cooperative Coevolutionary Algorithm with Dynamic Species-Size Strategy. **2018**, 3-17 1
- 498 Automatic Voltage Regulator System Tuning Using Swarm Intelligence Techniques. **2018**, 232-252 0
- 497 Multi-Objective Binary Fish School Search. **2018**, 53-72 1
- 496 Multi-objective Firefly Algorithm Guided by Elite Particle. **2018**, 159-170
- 495 An Improved Multi-objective Fireworks Algorithm. **2018**, 204-218
- 494 Optimizaci3n del torneado multipasada para producciones sostenibles utilizando algoritmos gen3ticos y enjambre de part3culas. **2018**, 85, 59-64
- 493 An Improved Evolutionary Extreme Learning Machine Based on Multiobjective Particle Swarm Optimization. **2018**, 1-6
- 492 A Novel Mechanism of Position Update in Multi-objective Particle Swarm Optimization. **2019**, 617-625

- 491 Swarm Intelligence for Multi-Objective Optimization in Engineering Design. **2019**, 180-194 2
- 490 Nature-Inspired Algorithms for Bi-Criteria Parallel Machine Scheduling. **2019**, 122-148
- 489 Portfolio Optimization and Asset Allocation With Metaheuristics. **2019**, 1-26
- 488 Particle Swarm Optimization Algorithm Based on Membrane System. **2019**, 09, 1406-1415
- 487 Optimal Controller Parameter Tuning from Multi/Many-objective Optimization Algorithms. **2019**, 51-74
- 486 A New Multi-objective Particle Swarm Optimization Based on Linear Decreasing Velocity Update Mechanism. **2019**, 626-633
- 485 Methods to Estimate Optimal Parameters. **2019**, 523-561 0
- 484 A Multi-objective Artificial Flora Optimization Algorithm. **2019**, 267-277 1
- 483 An Improved NSGA-II Algorithm and Its Application. **2019**, 581-594 1
- 482 A Self-Organizing Evolutionary Method to Model and Optimize Correlated Multiresponse Metrics for Additive Manufacturing Processes. **2019**, 3, 20190024 0
- 481 APPLICATION OF MULTI-OBJECTIVE CONTROLLER TO OPTIMAL TUNING OF PID PARAMETERS FOR DIFFERENT PROCESS SYSTEMS USING CUCKOO SEARCH ALGORITHM. 0
- 480 Efficient hybrid approach to the electromagnetic design of resonant cavities for side-coupled linacs. **2019**, 2019, 4617-4621
- 479 Particle Swarm Optimization Algorithm Based on Graph Knowledge Transfer for Geometric Constraint Solving. **2020**, 452-462
- 478 Comparison of Battery Technologies for DC Microgrids with Integrated PV. **2019**, 0
- 477 A Survey of Hand Posture Estimation Techniques and Optimisation Algorithms. **2020**, 13-35
- 476 Interval Construction and Optimization for Mechanical Property Forecasting with Improved Neural Networks. **2020**, 223-234
- 475 Research on The Location and Capacity of The Distributed Generation in Distribution Network. **2019**,
- 474 A Self-adaptive Multi-objective Cross-entropy Method for Hybrid Renewable Energy Systems. **2019**,

- 473 A Multi-objective Optimization Algorithm Based on Monarch Butterfly Optimization. **2020**, 158-167
- 472 Multi-Objective Particle Swarm Optimization for ROI based Video Coding. **2019**, 0
- 471 Steady-State Current Decomposition Based Appliance Identification. **2020**, 105-140
- 470 Using Multi-objective Particle Swarm Optimization to Solve Dynamic Economic Emission Dispatch Considering Wind Power and Electric Vehicles. **2020**, 65-76
- 469 Introduction to Multi-objective Optimization Design. **2020**, 141-151
- 468 Multi-objective Particle Swarm Optimization based on Self-adaptive Target Region. **2020**,
- 467 Particle Swarm optimization based Neural Network Model for Chaotic Time Series Forecasting. **2020**,
- 466 Multi-Objective Particle Swarm Optimization based Congestion Management considering Generation Rescheduling and Cost Minimization. **2020**, 2
- 465 Weighted double deep Q-network based reinforcement learning for bi-objective multi-workflow scheduling in the cloud. **2022**, 25, 751 2
- 464 Guided Manta Ray foraging optimization using epsilon dominance for multi-objective optimization in engineering design. **2021**, 116126 2
- 463 Comparative Analysis of Multi-objective Metaheuristic Algorithms by Means of Performance Metrics to Continuous Problems. **2020**, 527-548
- 462 A Metaheuristic Approach for Conservation Voltage Reduction in Unbalanced Active Distribution Networks. **2020**, 2
- 461 Grounding system cost reduction using multi-objective optimisation method. **2020**, 14, 893-900 0
- 460 A Multi-Objective Optimization Model for Simulation-based Acquisition. **2020**,
- 459 An Integrated Grey Wolf Optimizer with Nelder-Mead Method for Workflow Scheduling Problem. **2020**,
- 458 Dynamics analysis and design of metamaterial beams with multiple half-sine waves. **2022**, 186, 108448 0
- 457 Multiobjective Optimization of Ballasted Track Maintenance Scheduling. **2022**, 148,
- 456 A multi-objective elitist feedback teaching-learning-based optimization algorithm and its application. **2022**, 188, 115972 2

455	Multi-stage and resilience-based distribution network expansion planning against hurricanes based on vulnerability and resiliency metrics. 2022 , 136, 107640	1
454	A Holistic Power Management Strategy of Microgrids Based on Model Predictive Control and Particle Swarm Optimization. 2021 , 1-1	5
453	Multiobjective Control Design for HumanMachine Systems With Safety Performance Constraints. 2021 , 1-12	0
452	2D spatial optimisation of functionally graded materials used as insulators for field stress control. 2019 , 13, 1203-1211	3
451	A Novel Selection Criterion Based on Diversity Preservation for Non-dominated Solutions. 2020 , 431-439	
450	Multi-objective Optimization Algorithm Based on Uniform Design and Differential Evolution. 2020 , 180-193	
449	Multi-objective Optimization Strategies. 2020 , 33-49	
448	The Optimization of Lifting Points in Structural Hoisting Engineering Based on APDL Parametric Modeling. 2020 , 09, 228-237	
447	Cost and Quality assessment of a Disruptive Reconfigurable Manufacturing System based on MOPSO metaheuristic. 2020 , 53, 10431-10436	1
446	A Dimension Convergence-Based Evolutionary Algorithm for Many-Objective Optimization Problems. 2020 , 8, 224631-224642	1
445	A Novel Approach to Scheduling Workflows Upon Cloud Resources with Fluctuating Performance. 2020 , 25, 690-700	5
444	Multi-objective Environmental-economic Load Dispatch Considering Generator Constraints and Wind Power Using Improved Multi-objective Particle Swarm Optimization. 2020 , 20, 3-10	3
443	A MOPSO Based Design Exploration Algorithm for Micro-processor with Elitist Learning Strategy. 2020 , 490-502	
442	Multi-Objective Optimization for Green Dual-Channel Supply Chain Network Design Considering Transportation Mode Selection. 2020 , 382-404	
441	A Multi-Objective Coordinated Charging and Discharging Strategy for Electric Vehicles Based on Stackelberg Game. 2020 , 12, 63-72	1
440	A Comprehensive Literature Review on Nature-Inspired Soft Computing and Algorithms. 2020 , 1851-1885	
439	Multi-Objective Optimal Model for Task Scheduling and Allocation in a Two Machines Robotic Cell Considering Breakdowns. 2020 , 17, 1-8	
438	INTRODUCTION. 2020 , 1-20	

- 437 Modeling and parameter recovering of rare-earth-doped/co-doped glass and glass ceramics optical devices. **2020**,
- 436 . **2021**, 1, 176-197 13
- 435 A Novel Parallel Processing Model for Noise Reduction and Temperature Compensation of MEMS Gyroscope. **2021**, 12, 1
- 434 Multiobjective Particle Swarm Optimization Based on Cosine Distance Mechanism and Game Strategy. **2021**, 2021, 6440338
- 433 A hybrid pigeon inspired optimization algorithm based on Nelder-Mead simplex operations. **2020**, 0
- 432 Constraint Handling in Particle Swarm Optimization. 60-80
- 431 A New Approach to Associative Classification Based on Binary Multi-Objective Particle Swarm Optimization. 230-252
- 430 Particle Swarm Optimization Algorithms Applied to Antenna and Microwave Design Problems. 100-126
- 429 Research of Biogeography-Based Multi-Objective Evolutionary Algorithm. 125-135 1
- 428 A Particle Swarm Optimizer for Constrained Multiobjective Optimization. 1246-1276
- 427 Applications in Multiobjective, Constrained and Minimax Problems. 245-268
- 426 Multi-Objective Modeling of Leading-Edge Serrations Applied to Low-Pressure Axial Fans. **2020**, 142,
- 425 Optimal design of inverted rotary MR brake with waveform boundary using a novel combined magnetostatic approach. **2020**, 29, 105014 2
- 424 A Comparative Study of Heuristics and Meta-heuristic Algorithms with Issues in WSN. **2021**, 525-532
- 423 A multi-objective operation strategy optimization for ice storage systems based on decentralized control structure. **2021**, 42, 62-81 2
- 422 Optimized Gait Planning of Biped Robot Using Multi-objective JAYA Algorithm. **2021**, 178-190 1
- 421 Gearbox fault diagnosis through quantum particle swarm optimization algorithm and kernel extreme learning machine. **2020**, 22, 1399-1414 1
- 420 Enhancing PSO for Dealing with Large Data Dimensionality by Cooperative Coevolutionary with Dynamic Species-Structure Strategy. **2021**, 539-549

4 ¹⁹	Optimized stable gait planning of biped robot using multi-objective evolutionary JAYA algorithm. 2020 , 17, 172988142097634	0
4 ¹⁸	Optimization of Permanent Magnet Machine for Electric Vehicles Considering the Control Strategy and Inverter. 2020 ,	
4 ¹⁷	Introduction to Optimisation. 2021 , 223-268	
4 ¹⁶	Optimization of micromixer with different baffle shapes using CFD, DOE, meta-heuristic algorithms and multi-criteria decision making. 2022 , 170, 108713	1
4 ¹⁵	Multi-objective optimization framework of a vehicle door design in the slamming event for optimal dynamic performances. 2022 , 187, 108526	0
4 ¹⁴	An IGD+ Performance Indicator Based Particle Swarm Optimizer For Multi-objective Optimization. 2021 ,	
4 ¹³	Design, Characterization and Optimization of Multi-directional Bending Pneumatic Artificial Muscles. 2021 , 18, 1358	4
4 ¹²	Modified Analytical Approach for PV-DGs Integration into a Radial Distribution Network Considering Loss Sensitivity and Voltage Stability. 2021 , 14, 7775	3
4 ¹¹	Surrogate-Assisted Multiobjective Optimization of a Hydraulically Fractured Well in a Naturally Fractured Shale Reservoir with Geological Uncertainty. 2021 , 1-22	0
4 ¹⁰	Thermal elastohydrodynamic lubrication characteristics and optimisation of the ball-type tripod universal joint. 2021 , 73, 1310-1318	
4 ⁰⁹	Multi-objective economic emission dispatch based on an extended crisscross search optimization algorithm. 2021 , 122715	1
4 ⁰⁸	A survey, taxonomy and progress evaluation of three decades of swarm optimisation. 1	0
4 ⁰⁷	Handling multiple objectives using k-means clustering guided multiobjective evolutionary algorithm. e12890	1
4 ⁰⁶	An effective resource scheduling model for edge cloud oriented AIoT. e6720	
4 ⁰⁵	Design and analysis of optimal passive filters for increasing the harmonic-constrained hosting capacity of inverter-based DG systems in non-sinusoidal grids. 1	2
4 ⁰⁴	AutoBRB: An automated belief rule base model for pathologic complete response prediction in gastric cancer. 2021 , 140, 105104	0
4 ⁰³	Techno-economic analysis of recuperated Joule-Brayton pumped thermal energy storage. 2021 , 252, 115016	3
4 ⁰²	An Improved Pigeon-inspired Optimization Algorithm for Solving Dynamic Facility Layout Problem with Uncertain Demand. 2021 , 104, 1203-1208	

401	The Gray Wolf Optimizer for Antenna Optimization Designs: Continuous, Binary, Single-Objective, and Multiobjective Implementations.. 2021 , 2-14	
400	Cost Minimization of a Permanent Magnet Eddy Current Brake by Multiobjective Particle Swarm Optimization Based on Nonlinear Reluctance Network Modeling. 2021 , 9, 157361-157370	1
399	Task Offloading and Resource Allocation Mechanism of Moving Edge Computing in Mining Environment. 2021 , 9, 155534-155542	1
398	Rapid Construction of an Optimal Model for Near-Infrared Spectroscopy (NIRS) by Particle Swarm Optimization (PSO). 1-16	0
397	Differential evolution-assisted salp swarm algorithm with chaotic structure for real-world problems.. 2022 , 1-35	4
396	Joint optimization of demand-side operational utility and manufacture-side energy consumption in a distributed parallel machine environment. 2022 , 164, 107863	1
395	Multiobjective forensic-based investigation algorithm for solving structural design problems. 2022 , 134, 104084	3
394	MOMRFO: Multi-objective Manta ray foraging optimizer for handling engineering design problems. 2022 , 237, 107880	3
393	Crashworthiness analysis and multiobjective optimization of bio-inspired sandwich structure under impact load. 2022 , 172, 108840	4
392	A multi-external archive-guided Henry Gas Solubility Optimization algorithm for solving multi-objective optimization problems. 2022 , 109, 104588	2
391	Multistatic Radar Deployment within A Non-Connected Region. 2020 ,	0
390	Multi-objective optimization algorithms in analog active filter design. 2020 ,	3
389	A Hybrid Multi-phased Particle Swarm Optimization with Sub Swarms. 2020 ,	1
388	Synthesis and Optimization of a Needles Robotic Gripper Mechanism for transplanting seedlings. 2020 ,	1
387	Multi-Objective Particle Swarm optimization Applied on the Optimal Reactive Power Dispatch in Electrical Distribution Systems. 2020 ,	1
386	Multi-objective optimal dispatch of CCHP system considering exergy loss and economic cost. 2020 ,	
385	An Automated Approach for the Design of a Fault Tolerant Controller. 2021 ,	
384	Particle Swarm Optimization Advances in Internet of Things Industry. 2022 , 93-110	

383	Usage of Intelligent Optimization Techniques for Estimation of Pareto Optimal Front of Spectral Efficiency-Energy Efficiency Trade-off in Massive MIMO Systems. 2021,	0
382	A Multi-objective Discrete PSO Algorithm for Simulation Components Deployment in the Cloud and Edge Environment. 2021,	
381	A Comprehensive Review of Control Strategies and Optimization Methods for Individual and Community Microgrids. 2022, 10, 15935-15955	4
380	A novel stock indices hybrid forecasting system based on features extraction and multi-objective optimizer. 1	0
379	Energy Management Strategy of a Reconfigurable Grid-Tied Hybrid AC/DC Microgrid for Commercial Building Applications. 2022, 1-1	3
378	Combining a Hybrid Prediction Strategy and a Mutation Strategy for Dynamic Multiobjective Optimization. 2022, 70, 101041	0
377	Designing a locating-routing three-echelon supply chain network under uncertainty. 2022, ahead-of-print,	
376	Experimental investigation of SI engine characteristics using Acetone-Butanol-Ethanol (ABE) □ Gasoline blends and optimization using Particle Swarm Optimization. 2022, 47, 5692-5708	2
375	A novel combined model based on VMD and IMODA for wind speed forecasting. 2022, 1-17	1
374	Optimal design of passive power filter for enhancing the harmonic-constrained hosting capacity of renewable DG systems. 2022, 97, 107646	6
373	Volt/VAR Optimization: A Survey of Classical and Heuristic Optimization Methods. 2022, 10, 13379-13399	2
372	PSO Based Multi-Objective Approach for Controlling PID Controller. 2022, 71, 4409-4423	0
371	Objective reduction in many-objective optimization with social spider algorithm for cloud detection in satellite images. 2022, 26, 2935	
370	A multi-objective vibrating particle system algorithm for data clustering. 2022, 25, 209-239	0
369	Chaotic-nondominated-sorting Owl Search Algorithm for Energy-aware Multi-Workflow Scheduling in Hybrid Clouds. 2022, 1-1	2
368	Preventive Maintenance Strategy of Environmental Test Chamber Based on Particle Swarm Optimization Algorithm. 2022, 16, 618-627	
367	The Pareto optimal robust design of generalized-order PI Controllers based on the decentralized structure for multivariable processes. 2022, 39, 865	
366	Combined Structural and Dimensional Synthesis of a Parallel Robot for Cryogenic Handling Tasks. 2022, 65-77	1

365	Reliability Optimization of Multi-Energy System Considering Energy Storage Devices Effects under Weather Uncertainties. 2022 , 15, 696	
364	Towards sustainable separation of the ternary azeotropic mixture based on the intensified reactive-extractive distillation configurations and multi-objective particle swarm optimization. 2022 , 332, 130116	7
363	Many-Objective Adaptive Fuzzy With Sliding Mode Control for a Class of Switching Power Converters Using Global Optimization. 2022 , 10, 10317-10332	1
362	Optimization of retrial queue with unreliable servers subject to imperfect coverage and reboot delay. 1-26	2
361	A hybrid multi objective cellular spotted hyena optimizer for wellbore trajectory optimization.. 2022 , 17, e0261427	
360	Multi-objective optimization-based prediction of excavation-induced tunnel displacement. 2022 ,	0
359	Optimization of Water-Alternating-CO2 Injection Field Operations Using a Machine-Learning-Assisted Workflow. 2022 , 1-18	
358	A Modification of the Imperialist Competitive Algorithm with Hybrid Methods for Multi-Objective Optimization Problems. 2022 , 14, 173	1
357	Location planning of electric vehicle charging station with users preferences and waiting time: multi-objective bi-level programming model and HNSGA-II algorithm. 1-30	1
356	A Soft Computing-Based Analysis of Cutting Rate and Recast Layer Thickness for AZ31 Alloy on WEDM Using RSM-MOPSO.. 2022 , 15,	3
355	Fuzzy Adaptive NSGA-III for Large-Scale Optimization Problems. 1	
354	Modeling and Optimization of Water Distribution in Mineral Processing considering Water Cost and Recycled Water.. 2022 , 2022, 2314788	
353	Multi-objective optimization for probabilistic performance-based design of buildings using FEMA P-58 methodology. 2022 , 254, 113856	1
352	Optimisation of mooring line parameters for offshore floating structures: A review paper. 2022 , 247, 110644	8
351	Multi-objective optimization of vapor absorption refrigeration system for the minimization of annual operating cost and exergy destruction. 2022 , 49, 103925	
350	Production Wastage Avoidance using Modified Multi-objective Teaching Learning Based Optimization Embedded with Refined Learning Scheme. 2022 , 1-1	4
349	Multiobjective charged system search for optimum location of bank branch. 2022 , 119-133	0
348	Big Data Management of Smart City Energy Conservation and Emission Reduction. 2022 , 169-195	

347	Multi-objective prediction-based optimization of power consumption for cloud data centers. 2022 , 1-21	
346	Effect of Battery Degradation on the Probabilistic Optimal Operation of Renewable-Based Microgrids. 2022 , 3, 53-74	2
345	Dynamic Multi-objective Construction Site Layout Planning Based on BIM. 1	2
344	Experimental investigation of tensile fractography and wear properties of Al-12.5Si alloy reinforced with ZrO ₂ using spray deposition method. 2022 , 30, 103217	0
343	PSOTSC: A Global-Oriented Trajectory Segmentation and Compression Algorithm Based on Swarm Intelligence. 2021 , 10, 817	1
342	Multi-Objective Artificial Bee Colony Algorithm with Minimum Manhattan Distance for Passive Power Filter Optimization Problems. 2021 , 9, 3187	2
341	Permutation flow shop energy-efficient scheduling with a position-based learning effect. 1-28	5
340	Development of Sustainable and Resilient Power Distribution System with Dispatchable Distributed Generators.	
339	Improving the Frequency Fluctuations Attenuation of Microgrid by Determining Optimal communication System Delay and Virtual Inertia Values. 2021 , 14, 119-131	
338	A Topology Assisted Optimal CVR Strategy for Unbalanced EDNs having Spatio-Temporal Loads. 2022 , 1-1	
337	A Multi-objective Particle Swarm Optimisation-Based Solution Approach for Multiple Mean-Responses Optimisation Considering Empirical Model Uncertainties. 2022 , 113-142	
336	Multi-Objective Optimization of System Configuration and Component Capacity in an AC Mini-grid Hybrid Power System. 2022 , 1-1	0
335	An Iterative CrowWhale-based optimization model for energy aware multicast routing in IoT. 2022 , 16, 0-0	1
334	A Node Influence Based Memetic Algorithm for Community Detection in Complex Networks. 2022 , 217-231	2
333	Multi-objective Ant Colony Optimization: An Updated Review of Approaches and Applications. 2022 , 1-32	
332	GA-Based Approaches for Optimization Energy and Coverage in Wireless Sensor Network: State of the Art. 2022 , 346-355	
331	A Survey on Evolutionary Constrained Multi-objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2022 , 1-1	15.6 6
330	Scenario-Based Multi-Objective Optimization of Reservoirs in Silt-Laden Rivers: A Case Study in the Lower Yellow River.	

- 329 Segment-condition-based railway track maintenance schedule optimization.
- 328 A multi-objective optimization using response surface model coupled with particle swarm algorithm on FSW process parameters.. **2022**, 12, 2837 2
- 327 Modelling the impact of future climate change on streamflow and water quality in Wales, UK. 1
- 326 Uncertainty handling in wellbore trajectory design: a modified cellular spotted hyena optimizer-based approach. 1 0
- 325 Mine image enhancement using adaptive bilateral gamma adjustment and double plateaus histogram equalization. **2022**, 81, 12643 1
- 324 A generalized probabilistic multi-objective method for optimal allocation of soft open point (SOP) in distribution networks. **2022**, 16, 1046-1072 0
- 323 Efficient stability prediction of milling process with arbitrary tool-holder combinations based on transfer learning. 1 0
- 322 Presenting a two-objective model to manage spatiotemporal pollution distribution in river with consideration of consumer demand. **2022**, 19, 4459
- 321 An estimation of distribution algorithm with clustering for scenario-based robust financial optimization.. **2022**, 1-15 0
- 320 Multi-objective Prediction-Based Optimization of Power Consumption for Cloud Data Centers. 1
- 319 Optimal design of anchor cables layout and length for slope reinforcement based on PSO algorithm. **2022**, 15, 1 0
- 318 Multi-Objective Optimal Design of Dropping Shock of Series Cushioning Packaging System. **2022**, 2022, 1-15
- 317 Topology design algorithm for optical inter-satellite links in future navigation satellite networks. **2022**, 26, 1 0
- 316 A robust fuzzy multi-objective location-routing problem for hazardous waste under uncertain conditions.. **2022**, 1-21 1
- 315 Non-Dominated Sorting Manta Ray Foraging Optimization for Multi-Objective Optimal Power Flow with Wind/Solar/Small- Hydro Energy Sources. **2022**, 6, 194 0
- 314 Many objective optimization algorithm based on mixed species particle flocking. 1
- 313 An evolutionary algorithm for multi-objective optimization of freshwater consumption in textile dyeing industry.. **2022**, 8, e932 0
- 312 A Hybrid Multi-Objective Particle Swarm Optimization with Central Control Strategy.. **2022**, 2022, 1522096 0

311	Optimization of Hybrid Renewable Energy Microgrid for Rural Agricultural Area in Southern Philippines. 2022 , 15, 2251	7
310	Application of a Bio-Inspired Algorithm in the Process Parameter Optimization of Laser Cladding. 2022 , 10, 263	3
309	A multi-objective optimal control model of cascade pumping stations considering both cost and safety. 2022 , 345, 131171	0
308	Novel multiobjective particle swarm optimization based on ranking and cyclic distance strategy.	0
307	Performance Design of a Turbofan Engine Using Multi-objective Particle Swarm Optimization (MOPSO). 1	1
306	A Real-Coding Population-Based Incremental Learning Evolutionary Algorithm for Multi-Satellite Scheduling. 2022 , 11, 1147	
305	MOTEO: A novel physics-based multiobjective thermal exchange optimization algorithm to design truss structures. 2022 , 242, 108422	4
304	WARGEAR: Real time generation of detailed layout plans of surface warships during early stage design. 2022 , 250, 110815	
303	Genetically-modified Multi-objective Particle Swarm Optimization approach for high-performance computing workflow scheduling. 2022 , 108791	3
302	An External Selection Mechanism for Differential Evolution Algorithm.. 2022 , 2022, 4544818	
301	Swarm intelligent based metaheuristics for a bi-objective flexible job shop integrated supply chain scheduling problems. 2022 , 108794	1
300	Dynamic multiobjective optimization and multivariate analysis for power generation scheduling of the diesel generators in dynamically positioned vessels. 2022 , 122, 103132	
299	Multi-objective particle swarm optimization with guided exploration for multimodal problems. 2022 , 120, 108684	0
298	A novel vegetation index-based workflow for semi-arid, sparse woody cover mapping. 2022 , 201, 104748	0
297	Scenario-based multi-objective optimization of reservoirs in silt-laden rivers: A case study in the Lower Yellow River.. 2022 , 829, 154565	0
296	Novel deterministic and probabilistic combined system based on deep learning and self-improved optimization algorithm for wind speed forecasting. 2022 , 52, 102186	1
295	The Pareto curve in an exact way for multi-objective differentiable functions with constraints. 2021 , 42, 1907-1922	
294	Hybrid Multi-objective Particle Swarm Optimization Algorithm Based on Particle Sorting. 2021 ,	0

- 293 Gas Turbine Aerodynamics Improvement Via a Design of Intelligent Fractional Control. **2021**, 71, 85-100 1
- 292 Multi-objective particle swarm optimization for selecting optimal grid learning without replacement sampling. **2021**,
- 291 N-1 Based Multi-Objective Optimization of Static Var Compensator Placement Using Heuristic Methods. **2021**,
- 290 Optimization procedure of a new type counterflow heat exchanger. **2021**, 2116, 012093
- 289 Multi-Objective Particle Swarm Optimization Algorithm Based on Double Random. **2021**,
- 288 A multi-objective scheduling strategy of CH-PV-Wind-PS based on an improved hybrid intelligent algorithm. **2021**, 1
- 287 A Review of Groundwater Management Models with a Focus on IoT-Based Systems. **2022**, 14, 148 0
- 286 Optimal Design of Combined Sewer Overflows Interception Facilities Based on the NSGA-III Algorithm. **2021**, 13, 3440 0
- 285 An Efficient Bi-Objective Optimization Workflow Using the Distributed Quasi-Newton Method and Its Application to Well-Location Optimization. **2022**, 27, 364-380 0
- 284 Optimal design of variable gradient tube under axial dynamic crushing based on hybrid TSSA-RNN method. **2022**, 65, 1
- 283 MOAFL: Potential Seed Selection with Multi-Objective Particle Swarm Optimization. **2021**,
- 282 A Study on Objective Dimensionality Reduction of Unbalanced Distribution System Operation. **2021**,
- 281 A Multiobjective Particle Swarm Optimization Algorithm Based on Grid Technique and Multistrategy. **2021**, 2021, 1-17 3
- 280 A Railway Station Scheduling Algorithm Based on Multi-Objective Particle Swarm Optimization Algorithm. **2021**,
- 279 Parameters uncertainty in pareto optimization of nonlinear inerter-based suspension system under nonstationary random road excitation. 095440702110609 1
- 278 Multi-Objective Optimal Dispatch of Smart Grid by Estimating Available Capacity of EV Aggregators. **2021**,
- 277 Research on Outage Maintenance Optimization Strategy Based on Improved Multi-Objective Particle Swarm Optimization. **2021**, 2138, 012008
- 276 Fixed-Frequency LCC Resonant Converter Optimal Design for High-Voltage Capacitor Charging in Constant Power. **2021**, 0

275	Hybrid Salp Swarm Algorithm for Solving the Green Scheduling Problem in a Double-Flexible Job Shop. 2022 , 12, 205	1
274	Multiobjective optimal power flow for static voltage stability margin improvement.. 2021 , 7, e08631	4
273	A Coordinated Strategy for Optimal Operation of Unbalanced EDN via BESS, VVO and DSM. 2021 ,	
272	An Internet of Things Based Scalable Framework for Disaster Data Management. 2021 ,	1
271	Application of Three Metaheuristic Algorithms to Time-Cost-Quality Trade-Off Project Scheduling Problem for Construction Projects Considering Time Value of Money. 2021 , 13, 2402	0
270	A Two-Stage Method Based on Multiobjective Differential Evolution for Gene Selection.. 2021 , 2021, 5227377	
269	Deadline-constrained cost-energy aware workflow scheduling in cloud. 2022 , 34,	1
268	Generation maintenance scheduling based on multi-objective particle swarm optimization considering carbon emissions. 2021 ,	
267	Hierarchical energy management for community microgrids with integration of second-life battery energy storage systems and photovoltaic solar energy.	1
266	Application of AMOGWO in Multi-Objective Optimal Allocation of Water Resources in Handan, China. 2022 , 14, 63	
265	Evaluating the Effect of Compensators and Load Model on Performance of Renewable and Nonrenewable DGs. 2021 , 235-246	
264	Decision Making in Portfolio Optimization by Using a Tri-Objective Model and Decision Parameters. 2022 , 156-161	
263	Challenges Applying Dynamic Multi-objective Optimisation Algorithms to Real-World Problems. 2022 , 353-375	1
262	Optimal energy management strategy for a renewable-based microgrid considering uncertainty. 2022 , 44, 3273-3293	2
261	Multi-Objective Optimization based Perceptual Bit Allocation for Gaming Video Coding in VVC. 2022 , 108593	
260	Structural damage identification using inverse analysis through optimization with sparsity. 2022 ,	0
259	Optimization of Groundwater Pumping and River-Aquifer Exchanges for Management of Water Resources. 2022 , 36, 1863	
258	MultiOff: offloading support and service deployment for multiple IoT applications in mobile edge computing.	1

- 257 Multiobjective Particle Swarm Optimization Based on Ideal Distance. **2022**, 2022, 1-16
- 256 Bio-inspired Leg Design for a Heavy-Duty Hexapod Robot. 1 0
- 255 A Framework for Comparing Multi-Objective Optimization Approaches for a Stormwater Drainage Pumping System to Reduce Energy Consumption and Maintenance Costs. **2022**, 14, 1248 0
- 254 A Novel Multiobjective Particle Swarm Optimization Combining Hypercube and Distance. **2022**, 2022, 1-21
- 253 Multi-resolution Image Fusion Using AMOPSO-II. **2006**, 343-352
- 252 A Hybrid Data-Driven Method for Low-Carbon Economic Energy Management Strategy in Electricity-Gas Coupled Energy Systems Based on Transformer Network and Deep Reinforcement Learning.
- 251 A Study on Transfer Functions of Binary Particle Swarm Optimization for Energy Efficient VM Placement. **2022**, 13, 0-0
- 250 Reducing Construction Dust Pollution by Planning Construction Site Layout. **2022**, 12, 531 1
- 249 Stochastic optimization model for determining support system parameters of a subway station. **2022**, 117509 0
- 248 A Quick Search Dynamic Vector-Evaluated Particle Swarm Optimization Algorithm Based on Fitness Distance. **2022**, 10, 1587 0
- 247 Multi-strategy ensemble firefly algorithm with equilibrium of convergence and diversity. **2022**, 108938 1
- 246 Application of multi-objective particle swarm optimization based on short-term memory and K-means clustering in multi-modal multi-objective optimization. **2022**, 112, 104866 2
- 245 Parametric modeling and optimization of the intake and exhaust phases of a hydrogen Wankel rotary engine using parallel computing optimization platform. **2022**, 324, 124381 1
- 244 Towards best default configuration settings for NMPSO in multi-objective optimization. **2021**,
- 243 Multiobjective Oriented Task Scheduling in Heterogeneous Mobile Edge Computing Networks. **2022**, 1-1 0
- 242 Spectral and energy efficiency trade-off in massive MIMO systems using multi-objective bat algorithm. **2022**, 73, 132-139 0
- 241 Improved whale optimization algorithm and its application in vehicle structural crashworthiness. 1-15 0
- 240 A Comprehensive Study on a Meta Heuristics Optimization Algorithm- Hybridized Mayfly Algorithm. **2022**,

239	Multi-Objective Particle Swarm Optimization with Multi-Archiving Strategy. 2022 , 2022, 1-21	
238	Sustainable water resource planning at the basin scale with simultaneous goals of agricultural development and wetland conservation.	1
237	A discrete multi-objective grey wolf optimizer for the home health care routing and scheduling problem with priorities and uncertainty. 2022 , 108256	0
236	A multi-resolution grid-based bacterial foraging optimization algorithm for multi-objective optimization problems. 2022 , 72, 101098	
235	Multi-Objective Fitness Functions with Non-Linear Switching for Antenna Optimizations. 2022 , 1-1	
234	Multi-objective Optimization Design of Condenser in Marine Nuclear Power Secondary Loop System. 2022 ,	
233	Optimal Demand Response Considering User's Satisfaction Using a Multi-Objective Optimization Algorithm. 2022 ,	
232	Collaborative Multidepot Vehicle Routing Problem with Dynamic Customer Demands and Time Windows. 2022 , 14, 6709	2
231	A novel epsilon-dominance Harris Hawks optimizer for multi-objective optimization in engineering design problems.	0
230	A Hybrid Algorithm for Noise Suppression of MEMS Accelerometer Based on the Improved VMD and TFPF. 2022 , 13, 891	1
229	Multi-Objective Optimal Power Flow with efficient Constraint Handling using Hybrid Decomposition and Local Dominance Method.	0
228	Optimal planning of flood-resilient electric vehicle charging stations.	0
227	Multi-Objective Optimization Using Cooperative Garden Balsam Optimization with Multiple Populations. 2022 , 12, 5524	
226	Investigation on Coefficient of Heat Transfer Through Impact of Engine Vibration. 2023 , 485-493	
225	Cooperative Co-evolutionary Algorithm for Multi-objective Optimization Problems with Changing Decision Variables. 2022 ,	0
224	An improved feature selection method based on angle-guided multi-objective PSO and feature-label mutual information.	1
223	An opposition learning and spiral modelling based arithmetic optimization algorithm for global continuous optimization problems. 2022 , 113, 104981	2
222	A dynamic neighborhood balancing-based multi-objective particle swarm optimization for multi-modal problems. 2022 , 205, 117713	1

221	Multiobjective particle swarm optimization with direction search and differential evolution for distributed flow-shop scheduling problem. 2022 , 19, 8833-8865	1
220	Hybrid Method for Inverse Design of Orbital Angular Momentum Transmission Fiber based on Neural Network and Optimization Algorithms. 2022 , 1-13	0
219	Meta-heuristics meet sports: a systematic review from the viewpoint of nature inspired algorithms. 2022 , 21, 49-92	0
218	Distributed Integrated Synthetic Adaptive Multi-Objective Reactive Power Optimization. 2022 , 14, 1275	
217	A hybrid equilibrium algorithm and pattern search technique for wind farm layout optimization problem. 2022 ,	0
216	Optimization of finishing parameters for magnetic compound fluid finishing (MCFE) of copper alloy. 2022 , 121, 2181-2195	
215	Multiobjective Optimization of Propagation Path in Automotive Product Design Change Based on MOPSO. 2022 , 2022, 1-7	
214	Multi-sparsity-based blind deconvolution and its application to wheelset bearing fault detection. 2022 , 111449	0
213	Automatic binary and ternary change detection in SAR images based on evolutionary multiobjective optimization. 2022 , 109200	1
212	An equilibrium optimizer slime mould algorithm for inverse kinematics of the 7-DOF robotic manipulator. 2022 , 12,	1
211	An efficient Bi-level hybrid multi-objective reliability-based design optimization of composite structures. 2022 , 296, 115862	1
210	Performance Improvement of Element Description Method Using Artificial Bee Colony Algorithm. 2022 ,	
209	Fuzzy Multi-objective Particle Swarm Optimization Based on Linear Differential Decline. 2022 , 514-523	
208	A Novel Bundle Adjustment Approach Based on Guess-Aided and Angle Quantization Multiobjective Particle Swarm Optimization (GAMOPSO) for 3D Reconstruction Applications. 2022 , 10, 71508-71520	
207	Multi-objective Harris Hawks Optimization with Associative Learning and Chaotic Local Search for Feature Selection. 2022 , 1-1	0
206	A Survey of PSO Contributions to Water and Environmental Sciences. 2022 , 85-102	1
205	Sine Cosine Algorithm: Introduction and Advances. 2022 , 447-467	
204	Multi-Objective Evolutionary Model of the Construction Industry Based on Network Planning. 2022 , 1-10	

203	Application of Nature-Inspired Multi-Objective Optimization Algorithms to Improve the Bakery Production Efficiency.	0
202	Multiobjective Particle Swarm Optimization Design of Permanent Magnet Machine for Torque Density Improvement and Torque Ripple Suppression. 2022 ,	
201	A Two-phase Evolutionary Algorithm for Multi-objective Distributed Assembly Permutation Flowshop Scheduling Problem. 2022 , 101128	1
200	A Comparative Study of Cultural and Traditional Education in Primary and Secondary Schools in Developed Countries Based on the MOPSO-CD-DNN Model. 2022 , 2022, 1-7	
199	A multi-objective particle swarm optimization with density and distribution-based competitive mechanism for sensor ontology meta-matching.	
198	Manipulation at optimum locations for maximum force transmission with mobile robots under environmental disturbances.	
197	A novel machine learning-based multiobjective robust optimisation strategy for quality improvement of multivariate manufacturing processes. 1-19	
196	Adaptive candidate estimation-assisted multi-objective particle swarm optimization.	
195	Detumbling a Flexible Tumbling Target Using a Space Robot in Post-capture Phase.	
194	A Mixed-integer programming model using particle swarm optimization algorithm for resource discovery in the cloudiot.	0
193	Geometric Optimization of Distributed MIMO Radar System for Accurate Localization in Multiple Key Subareas. 2022 , 108689	
192	An enhanced cross-entropy algorithm for the green scheduling problem of steelmaking and continuous casting with uncertain processing time. 2022 , 108445	
191	Multi-Objective Optimal Power Flow including Wind and Solar Generation Uncertainty Using New Hybrid Evolutionary Algorithm with Efficient Constraint Handling Method. 2022 , 2022, 1-15	0
190	An effective multi-objective artificial hummingbird algorithm with dynamic elimination-based crowding distance for solving engineering design problems. 2022 , 398, 115223	3
189	Multi-Objective Search Group Algorithm for engineering design problems. 2022 , 126, 109287	1
188	Hybrid optimization approach using evolutionary neural network & genetic algorithm in a real-world waterflood development. 2022 , 216, 110813	2
187	An incentive subsidy mechanism for bus lines based on service level. 2022 , 126, 1-13	
186	PSO Driven Designing of Robust and Computation Efficient 1D-CNN Architecture for Transmission Line Fault Detection. 2022 , 118178	0

- 185 A Resilience-Oriented Methodology for Transformation of the Distribution Networks into MicroGrid. **2022**, 2022, 1-15
- 184 A Multi-Objective Natural Aggregation Algorithm for Optimizing User Allocation Matrix in Visible Light Communication. **2022**, 169692
- 183 Multi-objective optimization and dynamic control of heat exchanger network for heat pump distillation of acetic acid/acetic anhydride binary system.
- 182 Non-Pareto Genetic Algorithm for Optimal Planning of Multi-Type Energy Resources in Active Distribution Networks. 10,
- 181 Novel modulation approach of flat force-displacement characteristic of linear electro-mechanical converter for electro-hydraulic servo-proportional valve. 095965182211112 1
- 180 Multi-objective quantum atom search optimization algorithm for electric vehicle charging station planning. 1
- 179 An external archive guided Harris Hawks optimization using strengthened dominance relation for multi-objective optimization problems. 1
- 178 Multi-objective Optimization of Intelligent Wheelchair Paths Taking into Account User Preferences. **2022**, 165-173
- 177 Application of multi-objective and multi-population particle swarm optimization algorithm in capacity optimization. **2022**,
- 176 Overview on Task Allocation Methods for Cooperative Multi-target Attack. **2023**, 26-33
- 175 Research on lightweight and fatigue life of engine hood based on multi-objective particle swarm optimization. **2022**, 14, 168781322211142
- 174 A state of art review on applications of multi-objective evolutionary algorithms in chemicals production reactors. 0
- 173 Hybrid multi-objective optimization algorithm based on angle competition and neighborhood protection mechanism.
- 172 A knowledge guided bacterial foraging optimization algorithm for many-objective optimization problems.
- 171 Optimal scheduling of power systems considering carbon markets: Based on blockchain theory and multi-objective particle swarm optimization algorithm. 10,
- 170 A dynamic multi-objective optimization evolutionary algorithm based on particle swarm prediction strategy and prediction adjustment strategy. **2022**, 101164 1
- 169 FMPSO: fuzzy-dominance based many-objective particle swarm optimization.
- 168 Multi-objective missile boat scheduling problem using an integrated approach of NSGA-II, MOEAD, and data envelopment analysis. **2022**, 127, 109353 0

- 167 Hybrid multi-objective Harris Hawk optimization algorithm based on elite non-dominated sorting and grid index mechanism. **2022**, 172, 103218
- 166 Stochastic multi-objective optimization approaches in a real-world oil field waterflood management. **2022**, 218, 110920
- 165 Multi-objective sparrow search algorithm: A novel algorithm for solving complex multi-objective optimisation problems. **2022**, 210, 118414 2
- 164 Data-driven based multi-objective combustion optimization covering static and dynamic states. **2022**, 210, 118531
- 163 An integrated container terminal scheduling problem with different-berth sizes via multiobjective hydrologic cycle optimization. 0
- 162 Multi-objective pathfinder algorithm for multi-objective optimal power flow problem with random renewable energy sources: wind, photovoltaic and tidal. 0
- 161 Artificial intelligence in single screw polymer extrusion: Learning from computational data. **2022**, 116, 105397 2
- 160 Multi-Objective chimp Optimizer: An innovative algorithm for Multi-Objective problems. **2023**, 211, 118734 0
- 159 Information gap-based coordination scheme for active distribution network considering charging/discharging optimization for electric vehicles and demand response. **2023**, 145, 108652 0
- 158 An efficient multi-objective gorilla troops optimizer for minimizing energy consumption of large-scale wireless sensor networks. **2023**, 212, 118827 1
- 157 Superpixel-based multiobjective change detection based on self-adaptive neighborhood-based binary differential evolution. **2023**, 212, 118811 2
- 156 New Optimal Scheme for the Poly-Generation System, Integrated with Orc and Hydrogen Production Units, Using Technical, Energy, and Thermo-Risk Analyses- Case Study for Qeshm Power and Water Co-Generation Plant. 0
- 155 Optimization of Scheduling and Timetabling for Multiple Electric Bus Lines with Heterogeneous Energy Consumption. 0
- 154 An Enhanced Binary Multiobjective Hybrid Filter-Wrapper Chimp Optimization Based Feature Selection Method for COVID-19 Patient Health Prediction. **2022**, 10, 100376-100396 1
- 153 Fast Shielding Optimization of an Inductive Power Transfer System for Electric Vehicles. **2022**, 10, 91227-91234 0
- 152 Optimization of Scheduling and Timetabling for Multiple Electric Bus Lines with Heterogeneous Energy Consumption. 0
- 151 Knowledge Database-Based Multiobjective Trajectory Planning of 7-DOF Manipulator With Rapid and Continuous Response to Uncertain Fast-Flying Objects. **2022**, 1-17 0
- 150 An Effective Multi-Objective Bald Eagle Search Algorithm for Solving Engineering Design Problems. 0

- 149 A Robust Optimization-Based Model for Smart Charging of PEV Under Multiple Uncertainties. **2022**, 169-199 ○
- 148 Optimal Search Strategy of Low-Altitude Target for Airborne Phased Array Radar Using Digital Elevation Model. **2022**, 15, 8025-8037 ○
- 147 Introduction to optimization techniques for sizing and management of integrated power systems. **2023**, 1-40 ○
- 146 Hybrid Multi-Object Optimization Method for Tapping Center Machines. **2023**, 36, 23-38 1
- 145 Optimal Allocation of Human Resources Recommendation Based on Improved Particle Swarm Optimization Algorithm. **2022**, 2022, 1-13 ○
- 144 Optimization of Shearer Drum Based on Multi-Objective Bat Algorithm with Grid (MOBA/G). **2022**, 10, 733 2
- 143 Inference of a Gene Regulatory Network by Applying OMOPSO to the S-System and the Half-System. **2023**, 433-444 ○
- 142 Swarm Intelligence-Based Multi-Objective Optimization Applied to Industrial Cooling Towers for Energy Efficiency. **2022**, 14, 11881 1
- 141 Dynamic Multi-objective Optimization Using Computational Intelligence Algorithms. **2023**, 41-62 ○
- 140 Day-Ahead Multi-Objective Microgrid Dispatch Optimization Based on Demand Side Management Via Particle Swarm Optimization. 1
- 139 Performance Analysis of Current Multi-Objective Metaheuristic Optimization Algorithms for Unconstrained Problems. ○
- 138 A Machine Learning-Aided Equilibrium Model of VTSA Processes for Sorbents Screening Applied to CO₂ Capture from Diluted Sources. **2022**, 61, 14004-14019 ○
- 137 Collaborative vehicle-drone distribution network optimization for perishable products in the epidemic situation. **2022**, 106039 ○
- 136 Bibliometric Survey on Particle Swarm Optimization Algorithms (2001-2021). **2022**, 2022, 1-12 ○
- 135 Competitive binary multi-objective grey wolf optimizer for fast compact antenna topology optimization. **2022**, 23, 1390-1406 ○
- 134 An Intelligent Genetic Scheme for Multi-Objective Collaboration Services Scheduling. **2022**, 14, 2037 ○
- 133 Mitigated cutting force and surface roughness in titanium Alloy-Multiple effective guided chaotic multi objective Teaching learning based optimization. **2022**, ○
- 132 Comparison of the performances of heuristic optimization algorithms PSO, ABC and GA for parameter estimation in the discharge processes of Li-NMC battery. 387-400 ○

- 131 A review on electrical and mechanical performance parameters in lithium-ion battery packs. **2022**, 134381 ○
- 130 Utilizing the multi-objective particle swarm optimization for designing a renewable multiple energy system on the basis of the parabolic trough solar collector. **2022**, ○
- 129 Multi-objective evolutionary design of central pattern generator network for biomimetic robotic fish. ○
- 128 Multi-objective optimal control of bioconversion process considering system sensitivity and control variation. **2022**, 119, 13-24 ○
- 127 A Pareto-based discrete particle swarm optimization for parallel casting workshop scheduling problem with fuzzy processing time. **2022**, 256, 109872 ○
- 126 Ameliorated artificial hummingbird algorithm for coordinated wind-solar-thermal generation scheduling problem in multiobjective framework. **2022**, 326, 120031 ○
- 125 Uncertainty quantification of PM2.5 concentrations using a hybrid model based on characteristic decomposition and fuzzy granulation. **2022**, 324, 116282 ○
- 124 A Penalty-Based PSO Algorithm for Demagnetization Risk-Free Design of Slotless Halbach PM Machines. **2022**, ○
- 123 Designing Artificial Neural Network Using Particle Swarm Optimization: A Survey. ○
- 122 Improving the Efficiency and Sustainability of Intelligent Electricity Inspection: IMFO-ELM Algorithm for Load Forecasting. **2022**, 14, 13942 1
- 121 Pareto Optimisation of Low Density Polyethylene (LDPE) in Tubular Reactor Using a Hybrid Strategy. ○
- 120 A robust performance evaluation approach for solution preservation in multiobjective optimization. ○
- 119 Optimization Approaches for Multiple Conflicting Objectives in Sustainable Green Supply Chain Management. **2022**, 14, 12790 ○
- 118 A new online optimization method for boiler combustion systems based on the data-driven technique and the case-based reasoning principle. **2022**, 125508 ○
- 117 Optimal Multi-Objective Placement and Sizing of Distributed Generation in Distribution System: A Comprehensive Review. **2022**, 15, 7850 2
- 116 Volatility Index Prediction Based on a Hybrid Deep Learning System with Multi-objective Optimization and Mode Decomposition. **2022**, 119184 ○
- 115 State of charge estimation for lithium-ion batteries based on improved barnacle mating optimizer and support vector machine. **2022**, 55, 105830 ○
- 114 Daily reservoir inflow forecasting using weather forecast downscaling and rainfall-runoff modeling: Application to Urmia Lake basin, Iran. **2022**, 44, 101228 ○

- 113 Modified teaching-learning-based optimization and applications in multi-response machining processes. **2022**, 174, 108719 ○
- 112 Real-time collaborative feeder vehicle routing problem with flexible time windows. **2022**, 75, 101201 1
- 111 New optimal scheme for the poly-generation system, integrated with ORC and hydrogen production units, using technical, energy, and thermo-risk analyses-case study for qeshm power and water co-generation plant. **2022**, 36, 101506 1
- 110 A new hybrid evolutionary algorithm for multi-objective optimal power flow in an integrated WE, PV, and PEV power system. **2023**, 214, 108870 ○
- 109 Pattern Synthesis for Different Sparse Planar Arrays by a Hybrid Unconstrained-Heuristic Approach. **2022**, 1-4 ○
- 108 A Decomposition-Based Multiobjective Clonal Selection Algorithm for Hyperspectral Image Feature Selection. **2022**, 60, 1-16 ○
- 107 Multi-objective framework for a home energy management system with the integration of solar energy and an electric vehicle using an augmented μ -constraint method and lexicographic optimization. **2023**, 88, 104289 1
- 106 Quantile deep learning model and multi-objective opposition elite marine predator optimization algorithm for wind speed prediction. **2023**, 115, 56-79 ○
- 105 Nanobiosensing from an In Vivo Multi-objective Optimization Perspective. **2022**, ○
- 104 Efficient Spectrum Allocation in Cognitive Radio using Yellow Saddle Goatfish Algorithm. **2022**, ○
- 103 Research on the Robustness of Active Headrest with Virtual Microphones to Human Head Rotation. **2022**, 12, 11506 ○
- 102 An adaptive adjacent maximum distance crossover operator for multi-objective algorithms. ○
- 101 A novel high-level target navigation pigeon-inspired optimization for global optimization problems. ○
- 100 Multi-objective optimization of CO₂ enhanced oil recovery and storage processes in low permeability reservoirs. **2022**, 121, 103802 ○
- 99 A Hidden Markov Model-based fuzzy modeling of multivariate time series. ○
- 98 A multi-objective differential evolutionary algorithm for optimal sustainable pavement maintenance plan at the network level. **2022**, 135212 ○
- 97 A combined multi-objective intelligent optimization approach considering techno-economic and reliability factors for hybrid-renewable microgrid systems. **2022**, 135249 ○
- 96 Extraction of mineralized indicator minerals using ensemble learning model optimized by SSA based on hyperspectral image. **2022**, 14, 1444-1465 ○

95	Multi-Objective Optimization of Transport Processes on Complex Networks. 2022 , 1-14	0
94	Multi-objective optimization of seeding performance of a pneumatic precision seed metering device using integrated ANN-MOPSO approach. 2023 , 117, 105559	0
93	Design optimization of a shell-and-tube heat exchanger with disc-and-doughnut baffles for aero-engine using one hybrid method of NSGA II and MOPSO. 2023 , 41, 102644	0
92	An improved marine predator algorithm based on epsilon dominance and Pareto archive for multi-objective optimization. 2023 , 119, 105718	0
91	An experimental metaheuristic approach for portfolio optimization problem with cardinality constraint. 2022 ,	0
90	Parallel Multiobjective Multiverse Optimizer for Path Planning of Unmanned Aerial Vehicles in a Dynamic Environment with Moving Obstacles. 2022 , 6, 385	2
89	Optimisation of electric vehicle with the in-wheel motor as a dynamic vibration absorber considering ride comfort and motor vibration based on particle swarm algorithm. 146441932211435	0
88	IBMSMA: An Indicator-based Multi-swarm Slime Mould Algorithm for Multi-objective Truss Optimization Problems.	0
87	A novel multi-objective service composition architecture for blockchain-based cloud manufacturing.	0
86	Multi-objective Particle Swarm Optimization with Dynamic Population Size.	0
85	Contact-based object inspection with mobile manipulators at near-optimal base locations. 2022 , 104345	0
84	A bi-objective hybrid vibration damping optimization model for synchronous flow shop scheduling problems. 2022 , 100445	0
83	A multi-objective chicken swarm optimization algorithm based on dual external archive with various elites. 2022 , 109920	2
82	Harris hawks algorithm based on teaching-learning and adaptive t-distribution disturbance. 2022 ,	0
81	A Branch-and-Bound Algorithm for the Bi-Objective Quay Crane Scheduling Problem Based on Efficiency and Energy. 2022 , 10, 4705	0
80	What Is the Best Way to Optimally Parameterize the MPC Cost Function for Vehicle Guidance?. 2023 , 11, 465	0
79	Process Simulation and Optimization of Arc Welding Robot Workstation Based on Digital Twin. 2023 , 11, 53	2
78	Multi-objective Particle Swarm Optimization Based on 'Archive Control Strategy. 2023 , 548-562	0

- 77 Relevance analysis of the bushing stiffness of rear multi-link suspension to handling stability and ride comfort of vehicle and optimization research to improve both performances. 095440702211475 ○
- 76 An integrated simulation-optimization framework for assessing environmental flows in rivers. **2023**, 195, ○
- 75 The Construction and Application of Dual-Objective Optimal Speed Model of Liners in a Changing Climate: Taking Yang Ming Route as an Example. **2023**, 11, 157 1
- 74 Workflow scheduling strategy based on deep reinforcement learning. ○
- 73 Modeling and optimization of bakery production scheduling to minimize makespan and oven idle time. **2023**, 13, ○
- 72 Forecasting system with sub-model selection strategy for photovoltaic power output forecasting. ○
- 71 Multi-objective SHADE with manta ray foraging optimizer for structural design problems. **2023**, 110016 ○
- 70 Multi-objective Pelican Optimization Algorithm for Engineering Design Problems. **2023**, 362-368 ○
- 69 Multi-objective optimization of the intensified extractive distillation with side-reboiler for the recovery of ethyl acetate and methanol from wastewater. **2023**, 310, 123131 ○
- 68 Adaptive multiple selection strategy for multi-objective particle swarm optimization. **2023**, 624, 235-251 ○
- 67 Multi-objective programming consensus model based on evolutionary game analysis in group decision making. **2023**, 93, 132-149 ○
- 66 Service Restoration Algorithm of Distribution Power System. **2022**, ○
- 65 Multi-objective optimization of spatial sampling using a new hybrid AMOSA_NSGA-II algorithm. **2023**, 42, ○
- 64 A dynamic multiobjective evolutionary algorithm based on fine prediction strategy and nondominated solutions-guided evolution. ○
- 63 Data-Driven Multiobjective Optimization of Wave-Packets for Near-Field Subsonic Jet Noise. 1-9 ○
- 62 A hydro-environmental optimization for assessing sustainable carrying capacity. **2023**, 9, ○
- 61 Sine Cosine Algorithm for Multi-objective Optimization. **2023**, 35-63 ○
- 60 A Parallel Multiobjective PSO Weighted Average Clustering Algorithm Based on Apache Spark. **2023**, 25, 259 1

59	Two-dimensional composite multi-scale time-frequency reverse dispersion entropy-based fault diagnosis for rolling bearing.	0
58	Air Duct Optimization Design Based on Local Turbulence Loss Analysis and IMOCS Algorithm. 2023 , 11, 129	0
57	Robust Selective Maintenance under Imperfect Observations. 2023 , 101-121	0
56	Effect of the Obesity Paradox on Mortality in Patients with Acute Coronary Syndrome: A Comprehensive Meta-analysis of the Literature.	0
55	Identification of influential users with cost minimization via an improved moth flame optimization. 2023 , 101955	1
54	Multi-objective optimal design of high-efficient EMI shielding in porous graphene-reinforced nanocomposites.	0
53	A multi-objective mean-covariance model for project selection using reinvestment and synergy under uncertainty. 2023 , 217, 119586	0
52	Energy absorption and multi-objective optimization of TPMS filled cylinder shell structures. 2023 , 31, 2834-2854	0
51	Multi-objective Fuzzy Reliability Redundancy Allocation for x_{ij} -out-of- m_{ij} System Using Fuzzy Rank-Based Multi-objective PSO. 2023 , 145-159	0
50	In Situ Underwater Localization of Magnetic Sensors Using Natural Computing Algorithms. 2023 , 23, 1797	1
49	Single- and Multi-Objective Optimization Frameworks of Shape Design of Tubular Linear Synchronous Motor. 2023 , 16, 2409	0
48	Multi-objective particle swarm optimization for multimode surface wave analysis. 2023 , 105343	0
47	Optimal parameter design of a slot jet impingement/microchannel heat sink base on multi-objective optimization algorithm. 2023 , 227, 120452	0
46	Multi-objective teaching-learning-based optimization algorithm for carbon-efficient integrated scheduling of distributed production and distribution considering shared transportation resource. 2023 , 406, 137061	0
45	Use of two-dimensional refined composite multi-scale time-frequency dispersion entropy for rolling bearing condition monitoring. 2023 , 214, 112808	0
44	Quantitative thermal-wave depth profiles of solids with spatially variant cooling coefficients imaged using lock-in thermography. 2023 , 131, 104669	0
43	Hybrid data-driven method for low-carbon economic energy management strategy in electricity-gas coupled energy systems based on transformer network and deep reinforcement learning. 2023 , 273, 127183	0
42	Application of improved multi-objective particle swarm optimization algorithm to solve disruption for the two-stage vehicle routing problem with time windows. 2023 , 225, 120009	0

- 41 Multiobjective Demand Double-Layer Energy Consumption Optimization Strategy for Microgrid Based on Improved HPSOFA. **2023**, 2023, 1-18 ○
- 40 A novel multi-objective optimization of mass dampers for controlling the vortex-induced vibration in bridges. **2023**, 281, 115761 ○
- 39 Deep optimization of model predictive control performance for wind turbine yaw system based on intelligent fuzzy deduction. **2023**, 221, 119705 ○
- 38 Machine learning-assisted fatigue performance optimization for cutout geometry of orthotropic steel bridge decks. **2023**, 18, e01962 ○
- 37 High-dimensional multi-objective optimization algorithm for combustion chamber of aero-engine based on artificial neural network-multi-objective particle swarm optimization. 095441002311549 ○
- 36 Regional-modal optimization problems and corresponding normal search particle swarm optimization algorithm. **2023**, 78, 101257 ○
- 35 Cloud Computing Considering Both Energy and Time Solved by Two-Objective Simplified Swarm Optimization. **2023**, 13, 2077 1
- 34 Multi-objective bulk scale optimisation of an auxetic structure to enhance protection performance. **2023**, 280, 115729 ○
- 33 A Multi-Objective Planning Strategy for Electric Vehicle Charging Stations towards Low Carbon-Oriented Modern Power Systems. **2023**, 15, 2819 ○
- 32 Multi-Objective Optimal Power Flow Considering Small-Signal Stability Based on MOPSO. **2022**, ○
- 31 Multiple objective immune wolf colony algorithm for solving time-cost-quality trade-off problem. **2023**, 18, e0278634 ○
- 30 Multi-regularization sparse reconstruction based on multifactorial multiobjective optimization. **2023**, 136, 110122 ○
- 29 Energy-Efficient 3D Path Planning for Complex Field Scenes Using the Digital Model with Landcover and Terrain. **2023**, 12, 82 ○
- 28 Multi-objective fitness-dependent optimizer algorithm. ○
- 27 Six-degree-of-freedom Robot Trajectory Planning Based on MATLAB. **2022**, ○
- 26 A Data-Driven Bilevel Optimization Problem Considering Product Popularity for the E-Commerce Presale Mode. ○
- 25 Cluster-Based Multiobjective Particle Swarm Optimization and Application for Chemical Plants. **2023**, 2023, 1-13 ○
- 24 Non-Dominated Sorting-Based Hybrid Optimization Technique for Multi-Objective Hydrothermal Scheduling. **2023**, 16, 2316 ○

23	A novel image encryption scheme combining optical chaos scrambling, DNA diffusion strategy and MOPSO algorithm.	0
22	Optimal sizing of RES and BESS in networked microgrids based on proportional peer-to-peer and peer-to-grid energy trading.	0
21	AC transmission expansion planning based on self-organized criticality to mitigate the risk of cascading blackouts.	0
20	Parameter Identification of an Unmanned Surface Vehicle Based on Distance-based Multi-Objective Particle Swarm Optimization Algorithm. 2022 ,	0
19	Multi-Objective Path Optimization in Fog Architectures Using the Particle Swarm Optimization Approach. 2023 , 23, 3110	0
18	Orthogonal array design based multi-objective CBO and SOS algorithms for band reduction in hyperspectral image analysis.	0
17	An adaptive adjacent maximum distance crossover operator for multi-objective algorithms.	0
16	Knowledge Reconstruction for Dynamic Multi-objective Particle Swarm Optimization Using Fuzzy Neural Network.	0
15	A fast interpolation-based multi-objective evolutionary algorithm for large-scale multi-objective optimization problems.	0
14	Evaluation of the Effect of Logarithmic Transformations and Objective Functions on the Performance of Neural Network Models in Estimation of Suspended Sediment Load (Case Study: Sarab Ghare So Watershed, Ghorichai River). 2021 , 12, 133-146	0
13	A Multi-Objective Carnivorous Plant Algorithm for Solving Constrained Multi-Objective Optimization Problems. 2023 , 8, 136	1
12	Multilevel Multiobjective Particle Swarm Optimization Guided Superpixel Algorithm for Histopathology Image Detection and Segmentation. 2023 , 9, 78	0
11	CPU power and network bandwidth-aware optimal block size computation for blockchain-based applications using meta-heuristic algorithms.	0
10	Data-driven production optimization using particle swarm algorithm based on the ensemble-learning proxy model. 2023 ,	0
9	An efficient optimizer for the 0/1 knapsack problem using group counseling. 9, e1315	0
8	Optimization Design of Filament Wound Composite Pressure Vessel Based on OpenSees. 2023 , 13, 4894	0
7	A Multi-objective Particle Swarm Algorithm Based on a Preference Strategy. 2023 , 44-53	0
6	Research on Configuration Design Optimization and Trajectory Planning of Manipulators for Precision Machining and Inspection of Large-Curvature and Large-Area Curved Surfaces. 2023 , 14, 886	0

- 5 Designing a Scenario-Based Fuzzy Model for Sustainable Closed-Loop Supply Chain Network considering Statistical Reliability: A New Hybrid Metaheuristic Algorithm. **2023**, 2023, 1-24 ○
- 4 Single-objective and multi-objective optimization for variance counterbalancing in stochastic learning. **2023**, 110331 ○
- 3 A Multi-Particle Cellular Automaton Modeling Method for Grain Dynamics Evolution of Nickel-rich Cathode Material. **2023**, 101291 ○
- 2 Hybrid model for profit-driven churn prediction based on cost minimization and return maximization. **2023**, 228, 120354 ○
- 1 Performance analysis of a novel cyclone separator using RBFNN and MOPSO algorithms. **2023**, 426, 118663 ○