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#	Paper	IF	Citations
607	Simulated Annealing with Asymptotic Convergence for Nonlinear Constrained Global Optimization. <b>1999</b> , 461-475		15
606	Constrained simulated annealing with applications in nonlinear continuous constrained global optimization.		13
605	Principles and Practice of Constraint Programming [CP99]. <b>1999</b> ,		1
604	A coevolutionary genetic algorithm for constrained optimization.		19
603	Asynchronous parallel evolutionary algorithms for constrained optimizations. <b>2000</b> , 5, 406-412		1
602	Asynchronous parallelization of Guo's algorithm for function optimization.		1
601	TUNING STRATEGIES IN CONSTRAINED SIMULATED ANNEALING FOR NONLINEAR GLOBAL OPTIMIZATION. <b>2000</b> , 09, 3-25		13
600	An Adaptive Algorithm for Constrained Optimization Problems. <b>2000</b> , 529-538		27
599	Stochastic ranking for constrained evolutionary optimization. <b>2000</b> , 4, 284-294		1034
598	Parallel Problem Solving from Nature PPSN VI. <b>2000</b> ,		22
597	Constrained genetic algorithms and their applications in nonlinear constrained optimization.		6
596	The need for improving the exploration operators for constrained optimization problems.		6
595	Microgenetic algorithms as generalized hill-climbing operators for GA optimization. <b>2001</b> , 5, 204-217		86
594	Hybrid constrained simulated annealing and genetic algorithms for nonlinear constrained optimization.		4
593	A low-cost approach towards mixed task and data parallel scheduling. <b>2001</b> ,		51
592	Constrained parameter optimisation: equality constraints.		3
591	Constrained evolutionary exploration via genetic structure of packet distribution.		

590	A swarm with an effective information sharing mechanism for unconstrained and constrained single objective optimisation problems.	15
589	MULTIOBJECTIVE DESIGN OPTIMIZATION BY AN EVOLUTIONARY ALGORITHM. <b>2001</b> , 33, 399-424	186
588	Cell size and shape adjustment depending on call traffic distribution.	5
587	Coevolutionary Architecture for Distributed Optimization of Complex Coupled Systems. <b>2002</b> , 40, 1434-1443	20
586	Genetic Algorithms and Fuzzy Multiobjective Optimization. <b>2002</b> ,	70
585	Social cognitive optimization for nonlinear programming problems.	1
584	Structural optimization by real-coded probabilistic model-building GA.	1
583	Global stability condition of fuzzy model-based controllers via evolutionary computation.	1
582	A dynamical evolutionary algorithm for constrained optimization problems.	
581	A constraint handling approach for the differential evolution algorithm.	89
580	MICAI 2002: Advances in Artificial Intelligence. <b>2002</b> ,	
579	A parallel implementation of an artificial immune system to handle constraints in genetic algorithms: preliminary results.	11
578	ASCHEA: new results using adaptive segregational constraint handling.	63
577	A socio-behavioural simulation model for engineering design optimization. <b>2002</b> , 34, 341-354	122
576	Constraint-handling in genetic algorithms through the use of dominance-based tournament selection. <b>2002</b> , 16, 193-203	570
575	Theoretical and numerical constraint-handling techniques used with evolutionary algorithms: a survey of the state of the art. <b>2002</b> , 191, 1245-1287	1493
574	Solving fuzzy optimization problems by evolutionary algorithms. <b>2003</b> , 152, 303-311	18
573	A new adaptive penalty scheme for genetic algorithms. <b>2003</b> , 156, 215-251	79

572	New Stochastic Algorithm for Design Optimization. <b>2003</b> , 41, 1808-1818	50
571	Towards intelligent geographic load balancing for mobile cellular networks. <b>2003</b> , 33, 480-491	18
570	DEPSO: hybrid particle swarm with differential evolution operator.	22
569	Self-adaptive fitness formulation for constrained optimization. <b>2003</b> , 7, 445-455	238
568	Engineering optimization with particle swarm.	16
567	Multiobjective-based concepts to handle constraints in evolutionary algorithms.	7
566	HYBRID EVOLUTIONARY AND ANNEALING ALGORITHMS FOR NONLINEAR DISCRETE CONSTRAINED OPTIMIZATION. <b>2003</b> , 03, 331-355	9
565	Adding a diversity mechanism to a simple evolution strategy to solve constrained optimization problems.	18
564	Constrained Evolutionary Optimization. <b>2003</b> , 87-113	10
563	Multi-objective and MGG evolutionary algorithm for constrained optimization.	8
562	A grouping-based evolutionary algorithm for constrained optimization problem.	0
561	A two-step selection scheme for constrained evolutionary optimization. <b>2003</b> ,	0
560	Evolutionary Algorithms and Constrained Optimization. <b>2003</b> , 57-86	4
559	Constrained Genetic Algorithms and Their Applications in Nonlinear Constrained Optimization. <b>2003</b> , 253-275	1
558	Group selection and its application to constrained evolutionary optimization.	
557	Culturizing differential evolution for constrained optimization.	9
556	Evolving a multiobjective obstacle avoidance skill of a seven-link manipulator subject to constraints. <b>2004</b> , 35, 167-178	3
555	Time-cost trade-off in PERT networks using a genetic algorithm.	

554	Fuzzy Waste Load Allocation Model: Simulation-Optimization Approach. <b>2004</b> , 18, 120-131	45
553	Grouping-based evolutionary algorithm: seeking balance between feasible and infeasible individuals of constrained optimization problems.	
552	Hybridizing a genetic algorithm with an artificial immune system for global optimization. <b>2004</b> , 36, 607-634	93
551	Simple Feasibility Rules and Differential Evolution for Constrained Optimization. <b>2004</b> , 707-716	34
550	Nonrigid medical image registration technique as a composition of local warpings. <b>2004</b> , 37, 2141-2154	12
549	Constrained optimization by $\epsilon$ -constrained genetic algorithm ( $\epsilon$ GA). <b>2004</b> , 35, 11-22	22
548	A changing range genetic algorithm. <b>2004</b> , 61, 2660-2674	19
547	An adaptive penalty scheme for genetic algorithms in structural optimization. <b>2004</b> , 59, 703-736	115
546	Handling constraints using multiobjective optimization concepts. <b>2004</b> , 59, 1989-2017	121
545	Generalized extremal optimization: An application in heat pipe design. <b>2004</b> , 28, 911-931	41
544	Solution to global stability of fuzzy regulators via evolutionary computation. <b>2004</b> , 4, 25-34	4
543	Risk Evaluation in Water Quality Management of a River System. <b>2004</b> , 130, 411-423	39
542	How to Solve It: Modern Heuristics. <b>2004</b> ,	322
541	Efficient evolutionary optimization through the use of a cultural algorithm. <b>2004</b> , 36, 219-236	157
540	Evolutionary Computations. <b>2004</b> ,	5
539	A constraint-handling mechanism for particle swarm optimization.	62
538	Multi-criterion Evolutionary Algorithm with Model of the Immune System to Handle Constraints for Task Assignments. <b>2004</b> , 394-399	5
537	On Improving Efficiency of Differential Evolution for Aerodynamic Shape Optimization Applications. <b>2004</b> ,	10

536	An improved particle swarm optimizer for mechanical design optimization problems. <b>2004</b> , 36, 585-605	275
535	Genetic algorithm based bubble matching and tracking in aerated water flows.	1
534	PASSSS: an implementation of a novel diversity strategy for handling constraints.	4
533	Constrained optimization problem solving using estimation of distribution algorithms.	3
532	Cooperative co-evolution based distributed path planning of multiple mobile robots. <b>2005</b> , 6, 697-706	9
531 <sup>1</sup>	Immune Systems in Multi-criterion Evolutionary Algorithm for Task Assignments in Distributed Computer System. <b>2005</b> , 51-56	4
530	A hybrid intelligent genetic algorithm. <b>2005</b> , 19, 255-262	66
529	A genetic algorithm approach for the time-cost trade-off in PERT networks. <b>2005</b> , 168, 1317-1339	56
528	Evolutionary computation and structural design: A survey of the state-of-the-art. <b>2005</b> , 83, 1943-1978	221
527	Penalty Function Methods for Constrained Optimization with Genetic Algorithms. <b>2005</b> , 10, 45-56	274
526	Optimization with constraints using a cultured differential evolution approach. <b>2005</b> ,	22
525	A genetic algorithm encoding for a class of cardinality constraints. <b>2005</b> ,	9
524	Promising infeasibility and multiple offspring incorporated to differential evolution for constrained optimization. <b>2005</b> ,	38
523	A new mutation operator for evolution strategies for constrained problems.	5
522	A Novel Particle Swarm Optimization for Constrained Optimization Problems. <b>2005</b> , 1305-1310	11
521	Steady-state evolutionary algorithm for solving constrained optimization problems.	
520	HiPPO: An Object-Oriented Framework for General-Purpose Design Optimization. <b>2005</b> , 2, 490-506	8
519	Constrained Optimization by Constrained Particle Swarm Optimizer with Level Control. <b>2005</b> , 1019-1029	55

518	Crossover effect over penalty methods in function optimization with constraints.	2
517	Identifying on-line behavior and some sources of difficulty in two competitive approaches for constrained optimization.	7
516	Self-Adaptive Fitness Formulation for Evolutionary Constrained Optimization of Water Systems. <b>2005</b> , 19, 212-216	15
515	A new penalty based genetic algorithm for constrained optimization problems. <b>2005</b> ,	
514	Minimum-Zone Circularity Evaluation Using Particle Swarm Optimization. <b>2005</b> , 417	
513	Linear equality constraints and homomorphous mappings in PSO.	6
512	A simple multimembered evolution strategy to solve constrained optimization problems. <b>2005</b> , 9, 1-17	406
511	A generic framework for constrained optimization using genetic algorithms. <b>2005</b> , 9, 424-435	220
510	Constrained optimization by applying the /spl alpha/ constrained method to the nonlinear simplex method with mutations. <b>2005</b> , 9, 437-451	121
509	A genetic algorithm with double string for nonlinear integer programming problems.	2
508	Novel orthogonal simulated annealing with fractional factorial analysis to solve global optimization problems. <b>2005</b> , 37, 499-519	17
507	Search biases in constrained evolutionary optimization. <b>2005</b> , 35, 233-243	287
506	Artificial Immune Systems. <b>2005</b> ,	6
505	Evolutionary Multiobjective Optimization. <b>2005</b> ,	141
504	Self-Adaptive Differential Evolution Algorithm in Constrained Real-Parameter Optimization.	90
503	Dynamic Multi-Swarm Particle Swarm Optimizer with a Novel Constraint-Handling Mechanism.	69
502	A Multi-Populated Differential Evolution Algorithm for Solving Constrained Optimization Problem.	37
501	A Self Adaptive Penalty Function Based Algorithm for Constrained Optimization.	112

500	A Multiobjective Optimization-Based Evolutionary Algorithm for Constrained Optimization. <b>2006</b> , 10, 658-675	241
499	GENEFP: a full-profile fitting program for X-ray powder patterns using the genetic algorithm. <b>2006</b> , 39, 615-617	1
498	Evolutionary algorithm using feasibility-based grouping for numerical constrained optimization problems. <b>2006</b> , 175, 1298-1319	4
497	The development of a changing range genetic algorithm. <b>2006</b> , 195, 2495-2508	59
496	Cultured differential evolution for constrained optimization. <b>2006</b> , 195, 4303-4322	189
495	Constraint handling in genetic algorithms using a gradient-based repair method. <b>2006</b> , 33, 2263-2281	157
494	An improved two-step algorithm for task and data parallel scheduling in distributed memory machines. <b>2006</b> , 32, 759-774	34
493	Derivative-Free Filter Simulated Annealing Method for Constrained Continuous Global Optimization. <b>2006</b> , 35, 521-549	164
492	On three new approaches to handle constraints within evolution strategies. <b>2006</b> , 5, 363-385	38
491	Constraint Handling in Genetic Algorithm for Optimization. <b>2006</b> , 145-170	
490	Optimum Design for Bow Structure of High Tensile Steel Yacht. <b>2006</b> , 326-328, 1471-1474	
489	Hybrid enhanced genetic algorithm to select optimal machining parameters in turning operation. <b>2006</b> , 220, 2041-2053	57
488	Constrained Stochastic Tournament Selection in Flight Control Problems. <b>2006</b> ,	1
487	A Master-Slave Particle Swarm Optimization Algorithm for Solving Constrained Optimization Problems. <b>2006</b> ,	10
486	Binary Differential Evolution.	53
485	An Improved Particle Swarm Algorithm for Solving Nonlinear Constrained Optimization Problems. <b>2007</b> ,	7
484	Double-Particle Swarm Optimization with Induction-Enhanced Evolutionary Strategy to Solve Constrained Optimization Problems. <b>2007</b> ,	
483	. <b>2007</b> ,	2



482 Sex and death. **2007,**

481 A Ranking-Based Evolutionary Algorithm for Constrained Optimization Problems. **2007,** 3

480 A genetic algorithm for solving multi-constrained function optimization problems based on KS function. **2007,** 4

479 A Combined MA-GA Approach for Solving Constrained Optimization Problems. **2007,** 3

478 Handling constraints for manufacturing process optimisation using genetic algorithms. **2007, 28, 9** 1

477 References. 487-549

476 Multiobjective optimization and hybrid evolutionary algorithm to solve constrained optimization problems. **2007, 37, 560-75** 182

475 An organizational evolutionary algorithm for numerical optimization. **2007, 37, 1052-64** 26

474 An Application of Interactive Fuzzy Satisficing Approach with Particle Swarm Optimization for Multiobjective Emergency Facility Location Problem with A-distance. **2007,** 4

473 Handling Constraints in Particle Swarm Optimization Using a Small Population Size. **2007, 41-51** 13

472 Binary differential evolution strategies. **2007,** 49

471 Evolutionary computation of unconstrained and constrained problems using a novel momentum-type particle swarm optimization. **2007, 39, 287-305** 40

470 An agent-based memetic algorithm (AMA) for solving constrained optimization problems. **2007,** 13

469 . **2007,** 0

468 A New Evolutionary Algorithm for Constrained Optimization Problems. **2007,**

467 An orthogonal design based constrained evolutionary optimization algorithm. **2007, 39, 715-736** 37

466 An interactive fuzzy satisficing method through particle swarm optimization for multiobjective nonlinear programming problems. **2007,**

465 A hybrid genetic algorithm for constrained optimization problems in mechanical engineering. **2007,** 34

464	A Generic Strategy for Fault-Tolerance in Control Systems Distributed Over a Network. <b>2007</b> , 13, 280-296	94
463	An improved PSO algorithm for solving non-convex NLP/MINLP problems with equality constraints. <b>2007</b> , 31, 153-162	129
462	An effective co-evolutionary particle swarm optimization for constrained engineering design problems. <b>2007</b> , 20, 89-99	698
461	Evolutionary constrained optimization using an addition of ranking method and a percentage-based tolerance value adjustment scheme. <b>2007</b> , 177, 2985-3004	38
460	An effective co-evolutionary differential evolution for constrained optimization. <b>2007</b> , 186, 340-356	357
459	A hybrid particle swarm optimization with a feasibility-based rule for constrained optimization. <b>2007</b> , 186, 1407-1422	320
458	An improved harmony search algorithm for solving optimization problems. <b>2007</b> , 188, 1567-1579	1310
457	GEST: a program for structure determination from powder diffraction data using a genetic algorithm. <b>2007</b> , 40, 583-588	22
456	Stochastic economic emission load dispatch through a modified particle swarm optimization algorithm. <b>2008</b> , 78, 1466-1476	79
455	Self-adaptive velocity particle swarm optimization for solving constrained optimization problems. <b>2008</b> , 41, 427-445	61
454	Analyzing the Simple Ranking and Selection Process for Constrained Evolutionary Optimization. <b>2008</b> , 23, 19-34	27
453	Investigation of a changing range genetic algorithm in noisy environments. <b>2008</b> , 73, 26-46	7
452	Investigating a hybrid simulated annealing and local search algorithm for constrained optimization. <b>2008</b> , 185, 1230-1245	41
451	Differential evolution strategy for structural system identification. <b>2008</b> , 86, 2004-2012	76
450	Development of metamodeling based optimization system for high nonlinear engineering problems. <b>2008</b> , 39, 629-645	45
449	A Neurogenetic Approach and its Application to Constrained Nonlinear Convex Optimization Problems with Joint and Disjoint Feasible Regions. <b>2008</b> ,	
448	Advances in Differential Evolution. <b>2008</b> ,	210
447	Quantum-inspired immune clonal algorithm for global optimization. <b>2008</b> , 38, 1234-53	92

446	Algorithm comparisons and the significance of population size. <b>2008,</b>	5
445	Particle swarm optimization for nonlinear 0-1 programming problems. <b>2008,</b>	6
444	On the usefulness of infeasible solutions in evolutionary search: A theoretical study. <b>2008,</b>	
443	Solving constrained optimization problems with hybrid particle swarm optimization. <b>2008, 40, 1031-1049</b>	51
442	An empirical study about the usefulness of evolution strategies to solve constrained optimization problems. <b>2008, 37, 443-473</b>	284
441	Nonlinear constrained optimization by enhanced co-evolutionary PSO. <b>2008,</b>	5
440	. <b>2008,</b>	1
439	A Chaotic Hybrid Cultural Algorithm for Constrained Optimization. <b>2008,</b>	4
438	Search space reduction technique for constrained optimization with tiny feasible space. <b>2008,</b>	10
437	Hybrid-Coding Binary Differential Evolution Algorithm with Application to 0-1 Knapsack Problems. <b>2008,</b>	1
436	A study on constrained MA using GA and SQP: Analytical vs. finite-difference gradients. <b>2008,</b>	2
435	Partial decomposition and parallel GA (PD-PGA) for constrained optimization. <b>2008,</b>	3
434	. <b>2008,</b>	2
433	A Cultural Algorithm based on multilayer belief spaces and its application in neural network fault classifier. <b>2008,</b>	1
432	An Archived Differential Evolution Algorithm for Constrained Global Optimization. <b>2008,</b>	1
431	The Major Mirror of Stitching Technique by Extended Genetic Algorithms. <b>2008,</b>	
430	Particle swarm optimisation with a constraint-handling technique for seller buyer inventory games. <b>2008, 2, 214</b>	
429	A Modified Differential Evolution for Constrained Optimization. <b>2008,</b>	

428	An Adaptive Penalty Method for Genetic Algorithms in Constrained Optimization Problems. <b>2008</b> ,	7
427	An Approximate Solution Method Based on Particle Swarm Optimization for Nonlinear Programming Problems. <b>2008</b> , 20, 399-409	5
426	A Novel Evolutionary Algorithm with Component-Based Model. <b>2009</b> ,	
425	Effects of additional independent noise in binary composite hypothesis-testing problems. <b>2009</b> ,	2
424	A novel hybrid constraint handling technique for evolutionary optimization. <b>2009</b> ,	13
423	Novel Binary Differential Evolution Algorithm for Discrete Optimization. <b>2009</b> ,	5
422	HYBRID-FITNESS FUNCTION EVOLUTIONARY ALGORITHM BASED ON SIMPLEX CROSSOVER AND PSO MUTATION FOR CONSTRAINED OPTIMIZATION PROBLEMS. <b>2009</b> , 23, 115-127	8
421	Stochastic ranking based differential evolution algorithm for constrained optimization problem. <b>2009</b> ,	4
420	Hybrid Algorithm of Harmony Search, Particle Swarm and Ant Colony for Structural Design Optimization. <b>2009</b> , 159-198	33
419	A genetic algorithm with constrained sorting method for constrained optimization problems. <b>2009</b> ,	2
418	Low Discrepancy Initialized Particle Swarm Optimization for Solving Constrained Optimization Problems. <b>2009</b> , 95, 511-531	12
417	Optimizing constrained non-convex NLP problems in chemical engineering field by a novel modified goal programming genetic algorithm. <b>2009</b> ,	
416	Optimization of Power Allocation for Interference Cancellation With Particle Swarm Optimization. <b>2009</b> , 13, 128-150	53
415	Boundary Search for Constrained Numerical Optimization Problems With an Algorithm Inspired by the Ant Colony Metaphor. <b>2009</b> , 13, 350-368	30
414	Accelerating adaptive trade-off model using shrinking space technique for constrained evolutionary optimization. <b>2009</b> , 77, 1501-1534	43
413	AMA: a new approach for solving constrained real-valued optimization problems. <b>2009</b> , 13, 741-762	26
412	A novel hybrid immune algorithm for global optimization in design and manufacturing. <b>2009</b> , 25, 261-270	161
411	A new design optimization framework based on immune algorithm and Taguchi's method. <b>2009</b> , 60, 613-620	106

410	Hybrid Nelder-Mead simplex search and particle swarm optimization for constrained engineering design problems. <b>2009</b> , 36, 3880-3886	235
409	A novel particle swarm optimization approach for product design and manufacturing. <b>2009</b> , 40, 617-628	182
408	Analog circuit optimization system based on hybrid evolutionary algorithms. <b>2009</b> , 42, 137-148	84
407	An efficient particle swarm approach for mixed-integer programming in reliability-redundancy optimization applications. <b>2009</b> , 94, 830-837	151
406	A survey of repair methods used as constraint handling techniques in evolutionary algorithms. <b>2009</b> , 3, 175-192	65
405	A local exploration-based differential evolution algorithm for constrained global optimization. <b>2009</b> , 208, 31-48	28
404	Solving nonlinearly constrained global optimization problem via an auxiliary function method. <b>2009</b> , 230, 491-503	12
403	Co-evolutionary particle swarm optimization to solve constrained optimization problems. <b>2009</b> , 57, 1776-1784	24
402	Application of a novel IWO to the design of encoding sequences for DNA computing. <b>2009</b> , 57, 2001-2008	59
401	Particle Swarm Optimization Algorithm for a Batching Problem in the Process Industry. <b>2009</b> , 48, 9186-9194	8
400	Competitive Facility Location with Random Demands. <b>2009</b> ,	0
399	On GA-AIS Hybrids for Constrained Optimization Problems in Engineering. <b>2009</b> , 167-192	2
398	Infeasibility Driven Evolutionary Algorithm for Constrained Optimization. <b>2009</b> , 145-165	80
397	Harmony Search Algorithms for Structural Design Optimization. <b>2009</b> ,	33
396	Beamforming in the Presence of Mutual Coupling Based on Constrained Particle Swarm Optimization. <b>2009</b> , 57, 1655-1666	25
395	Parameterless penalty function for solving constrained evolutionary optimization. <b>2009</b> ,	6
394	Differential Evolution with Self-adaptation and Local Search for Constrained Multiobjective Optimization. <b>2009</b> ,	44
393	An Agent-based Memetic Algorithm (AMA) for nonlinear optimization with equality constraints. <b>2009</b> ,	6

392	An Adaptive Penalty Formulation for Constrained Evolutionary Optimization. <b>2009</b> , 39, 565-578	148
391	Pareto optimisation of grillage system with multi-objectives. <b>2009</b> , 8, 213	0
390	Artificial Physics Optimization algorithm with a feasibility-based rule for constrained optimization problems. <b>2010</b> ,	
389	Non-linear integer programming based on particle swarm optimisation combining diversification and intensification. <b>2010</b> , 2, 251	
388	Competitive Facility Location with Fuzzy Random Demands. <b>2010</b> ,	2
387	Swarming Theory Applied to Space Trajectory Optimization. 263-294	6
386	Constrained particle swarm optimization using a bi-objective formulation. <b>2010</b> , 40, 65-76	52
385	An effective differential evolution with level comparison for constrained engineering design. <b>2010</b> , 41, 947-963	128
384	A novel multi-threshold segmentation approach based on differential evolution optimization. <b>2010</b> , 37, 5265-5271	109
383	Ensemble of Constraint Handling Techniques. <b>2010</b> , 14, 561-579	313
382	An efficient cultural self-organizing migrating strategy for economic dispatch optimization with valve-point effect. <b>2010</b> , 51, 2580-2587	97
381	Efficient constraint handling scheme for differential evolutionary algorithm in solving chemical engineering optimization problem. <b>2010</b> , 16, 620-628	15
380	PSOLVER: A new hybrid particle swarm optimization algorithm for solving continuous optimization problems. <b>2010</b> , 37, 6798-6808	37
379	A Single Component Mutation Evolutionary Programming. <b>2010</b> , 215, 3759-3768	3
378	A Hybrid Particle Swarm Gradient Algorithm for Global Structural Optimization. <b>2010</b> , 26, 48	21
377	A Review of Constraint-Handling Techniques for Evolution Strategies. <b>2010</b> , 2010, 1-11	66
376	Enhancing Particle Swarm Optimization via probabilistic models. <b>2010</b> ,	
375	A New Kind of Handling Constraint Method for Optimization. <b>2010</b> ,	

374	On the optimality of stochastic signaling under an average power constraint. <b>2010,</b>	4
373	Coevolutionary Comprehensive Learning Particle Swarm Optimizer. <b>2010,</b>	33
372	NEW SIMULATED ANNEALING ALGORITHMS FOR CONSTRAINED OPTIMIZATION. <b>2010,</b> 27, 347-367	5
371	Using performance profiles to analyze the results of the 2006 CEC constrained optimization competition. <b>2010,</b>	27
370	Differential evolution with ensemble of constraint handling techniques for solving CEC 2010 benchmark problems. <b>2010,</b>	49
369	A Novel Binary Differential Evolution for Discrete Optimization. <b>2010,</b> 439-440, 1493-1498	1
368	An Adaptive Constraint Handling Technique for Evolutionary Algorithms. <b>2010,</b>	
367	The Social Cognitive Optimization Algorithm: Modifiability and Application. <b>2010,</b>	1
366	An ensemble of differential evolution algorithms for constrained function optimization. <b>2010,</b>	31
365	Dynamic Neighborhood Hybrid Particle Swarm Optimization for Constrained Optimization. <b>2010,</b>	1
364	Noise Enhanced Hypothesis-Testing in the Restricted Bayesian Framework. <b>2010,</b> 58, 3972-3989	52
363	Particle Swarm Optimization Applied to Space Trajectories. <b>2010,</b> 33, 1429-1441	153
362	Extended duality for nonlinear programming. <b>2010,</b> 47, 33-59	11
361	Dynamic adaptive bacterial foraging algorithm for optimum economic dispatch with valve-point effects and wind power. <b>2010,</b> 4, 989	67
360	Introduction to Evolutionary Algorithms. <b>2010,</b>	187
359	Review of Optimization Techniques. <b>2010,</b>	70
358	A New Genetic Algorithm and Its Convergence for Constrained Optimization Problems. <b>2010,</b>	
357	An improved self-adaptive differential evolution algorithm in single objective constrained real-parameter optimization. <b>2010,</b>	21

356	A Nonparametric Analysis of Energy Use Efficiency in Western China. <b>2010,</b>	
355	A New Evolutionary Algorithm Based on Simplex Crossover and PSO Mutation for Constrained Optimization Problems. <b>2010,</b>	1
354	The Multi-Objective Optimization Model of Energy-Efficient Scheduling Based on PSO Algorithm. <b>2010,</b>	1
353	Deterministic parameter control in Harmony Search. <b>2010,</b>	2
352	A new algorithm for movement precision reliability of the main motion of internal combustion engine. <b>2010,</b>	1
351	. <b>2010,</b> 9, 3650-3661	26
350	A competitive co-evolutionary cultural differential evolution and its application to constrained optimization in butane alkylolation process. <b>2010,</b>	
349	An Improved Differential Evolution Algorithm for Solving Constrained Optimization Problems. <b>2011,</b>	
348	Constrained real-parameter optimization using a Differential Evolution algorithm. <b>2011,</b>	2
347	Heterogeneous constraint handling for particle swarm optimization. <b>2011,</b>	3
346	Constrained multi-objective optimization algorithm with an ensemble of constraint handling methods. <b>2011,</b> 43, 403-416	100
345	Hybrid Optimization Method Based on Membrane Computing. <b>2011,</b> 50, 1691-1704	16
344	Hybrid Differential Evolution and Sequential Quadratic Programming Algorithm. <b>2011,</b>	1
343	Constrained real parameter optimization with a gradient repair based Differential Evolution algorithm. <b>2011,</b>	9
342	Constraint-handling in nature-inspired numerical optimization: Past, present and future. <b>2011,</b> 1, 173-194	637
341	Solving constrained optimization problems with a hybrid particle swarm optimization algorithm. <b>2011,</b> 43, 843-866	44
340	Computational Intelligence. <b>2011,</b>	1
339	Metamodel-Based Optimization for Problems With Expensive Objective and Constraint Functions. <b>2011,</b> 133,	27



338	AN IMMUNE-INSPIRED EVOLUTION STRATEGY FOR CONSTRAINED OPTIMIZATION PROBLEMS. <b>2011</b> , 20, 549-561	14
337	Fuzzy Stochastic Multiobjective Programming. <b>2011</b> ,	35
336	Exploratory power of the harmony search algorithm: analysis and improvements for global numerical optimization. <b>2011</b> , 41, 89-106	177
335	Stackelberg Solutions to Noncooperative Two-Level Nonlinear Programming Problems through Evolutionary Multi-Agent Systems. <b>2011</b> ,	1
334	An adaptive constraint handling technique for differential evolution with dynamic use of variants in engineering optimization. <b>2011</b> , 12, 31-54	38
333	Hybrid differential evolution and Nelder-Mead algorithm with re-optimization. <b>2011</b> , 15, 581-594	7
332	Circle detection using discrete differential evolution optimization. <b>2011</b> , 14, 93-107	46
331	A fuzzy goal programming and meta heuristic algorithms for solving integrated production: distribution planning problem. <b>2011</b> , 19, 547-569	34
330	An improved vector particle swarm optimization for constrained optimization problems. <b>2011</b> , 181, 1153-1163	78
329	Handling equality constraints with agent-based memetic algorithms. <b>2011</b> , 3, 51-72	7
328	Virtual substrates screening model of triacylglycerol lipase from <i>Bacillus thermocatenulatus</i> . <b>2011</b> , 16, 106-112	1
327	Directed searching optimization algorithm for constrained optimization problems. <b>2011</b> , 38, 8716-8723	15
326	Discrete particle swarm optimization based on estimation of distribution for terminal assignment problems. <b>2011</b> , 60, 566-575	16
325	Integrating particle swarm optimization with genetic algorithms for solving nonlinear optimization problems. <b>2011</b> , 235, 1446-1453	93
324	A novel modified differential evolution algorithm for constrained optimization problems. <b>2011</b> , 61, 1608-1623	46
323	An improved genetic algorithm based on a novel selection strategy for nonlinear programming problems. <b>2011</b> , 35, 615-621	23
322	A revised particle swarm optimization based discrete Lagrange multipliers method for nonlinear programming problems. <b>2011</b> , 38, 1164-1174	11
321	A modified Artificial Bee Colony (ABC) algorithm for constrained optimization problems. <b>2011</b> , 11, 3021-3031	408

320	SOLVING CONSTRAINED OPTIMIZATION PROBLEMS USING PROBABILITY COLLECTIVES AND A PENALTY FUNCTION APPROACH. <b>2011</b> , 10, 445-470	22
319	A practical sequential lexicographic approach for derivative-free black-box constrained optimization. <b>2011</b> , 43, 721-739	6
318	Improved genetic algorithm for nonlinear programming problems. <b>2011</b> , 22, 540-546	8
317	The optimisation research of screw conveyor. <b>2011</b> , 3, 169	1
316	. <b>2011</b> ,	5
315	A hybrid constraint handling mechanism with differential evolution for constrained multiobjective optimization. <b>2011</b> ,	11
314	A modified feasibility-based rule for solving constrained optimization problems using Probability Collectives. <b>2012</b> ,	3
313	Optimum Design of Pile Foundation by Automatic Grouping Genetic Algorithms. <b>2012</b> , 2012, 1-16	11
312	A survey and numerical comparison of factor-free penalty function constraint-handling techniques in genetic algorithms. <b>2012</b> , 29, 61-86	4
311	Constrained Optimization of a Rotor-Bearing System Based on an Evolutionary Algorithm. <b>2012</b> ,	2
310	A family of adaptive penalty schemes for steady-state genetic algorithms. <b>2012</b> ,	2
309	Biogeography-based optimization for constrained optimization problems. <b>2012</b> , 39, 3293-3304	64
308	A multi-population cultural algorithm with adaptive diversity preservation and its application in ammonia synthesis process. <b>2012</b> , 21, 1129-1140	18
307	Comparison of several types of methods for solving constrained function optimization problems. <b>2012</b> ,	
306	Particle Swarm Optimization of Multiple-Burn Rendezvous Trajectories. <b>2012</b> , 35, 1192-1207	56
305	Efficient constraint handling for optimal reactive power dispatch problems. <b>2012</b> , 5, 28-36	86
304	A stochastic local search algorithm for constrained continuous global optimization. <b>2012</b> , 19, 825-846	1
303	Hybrid social cognitive optimization algorithm for constrained nonlinear programming. <b>2012</b> , 19, 91-99	7

302	Modified Onlooker Phase in Artificial Bee Colony Algorithm. <b>2012</b> , 339-347	1
301	Bat algorithm: a novel approach for global engineering optimization. <b>2012</b> , 29, 464-483	906
300	A Novel Approach to Improve the Performance of Evolutionary Methods for Nonlinear Constrained Optimization. <b>2012</b> , 2012, 1-7	2
299	Artificial bee colony algorithm for large-scale problems and engineering design optimization. <b>2012</b> , 23, 1001-1014	331
298	Interactive fuzzy stochastic two-level integer programming through fractile criterion optimization. <b>2012</b> , 12, 209-227	10
297	On constrained optimization by interval arithmetic and interval order relations. <b>2012</b> , 49, 22-38	4
296	A hybrid genetic pattern search augmented Lagrangian method for constrained global optimization. <b>2012</b> , 218, 9415-9426	23
295	Improved harmony search algorithms for sizing optimization of truss structures. <b>2012</b> , 92-93, 229-241	165
294	Stochastic resonance in binary composite hypothesis-testing problems in the Neyman-Pearson framework. <b>2012</b> , 22, 391-406	25
293	Constrained optimization based on modified differential evolution algorithm. <b>2012</b> , 194, 171-208	147
292	Handling equality constraints in evolutionary optimization. <b>2012</b> , 221, 480-490	20
291	Modified harmony search optimization for constrained design problems. <b>2012</b> , 39, 419-423	23
290	Singular optimum topology of skeletal structures with frequency constraints by AGGA. <b>2012</b> , 45, 451-466	23
289	A rough penalty genetic algorithm for constrained optimization. <b>2013</b> , 241, 119-137	54
288	An upgraded artificial bee colony (ABC) algorithm for constrained optimization problems. <b>2013</b> , 24, 729-740	92
287	Multi-user detection in multi-carrier CDMA wireless broadband system using a binary adaptive differential evolution algorithm. <b>2013</b> ,	1
286	Bat algorithm for constrained optimization tasks. <b>2013</b> , 22, 1239-1255	336
285	Memetic differential evolution for constrained numerical optimization problems. <b>2013</b> ,	6

284	An Interactive Fuzzy Satisficing Method for Random Fuzzy Multiobjective Integer Programming Problems through Probability Maximization with Possibility. <b>2013</b> , 5, 335-350	1
283	A prediction-based adaptive grouping differential evolution algorithm for constrained numerical optimization. <b>2013</b> , 17, 2293-2309	8
282	SO-MI: A surrogate model algorithm for computationally expensive nonlinear mixed-integer black-box global optimization problems. <b>2013</b> , 40, 1383-1400	119
281	An evolutionary algorithm based pattern search approach for constrained optimization. <b>2013</b> ,	5
280	Hierarchical bare bones particle swarm for solving constrained optimization problems. <b>2013</b> ,	2
279	A review of the bacterial foraging algorithm in constrained numerical optimization. <b>2013</b> ,	2
278	Stationary Fuzzy Fokker-Planck Learning for Derivative-Free Optimization. <b>2013</b> , 21, 193-208	
277	Empirical evaluation of search based requirements interaction management. <b>2013</b> , 55, 126-152	41
276	An adaptive penalty based covariance matrix adaptation evolution strategy. <b>2013</b> , 40, 2398-2417	13
275	A particle swarm-BFGS algorithm for nonlinear programming problems. <b>2013</b> , 40, 963-972	20
274	A penalty function-based differential evolution algorithm for constrained global optimization. <b>2013</b> , 54, 707-739	49
273	Mine blast algorithm: A new population based algorithm for solving constrained engineering optimization problems. <b>2013</b> , 13, 2592-2612	520
272	An adaptive constraint handling technique for evolutionary algorithms. <b>2013</b> , 62, 241-253	10
271	A piecewise linear chaotic map and sequential quadratic programming based robust hybrid particle swarm optimization. <b>2013</b> , 218, 85-102	30
270	Predictability of Inverse Impact Force Location as Affected by Measurement Noise. <b>2013</b> , 2013, 1-8	
269	Economic Load Dispatch Using Bacterial Foraging Optimization Algorithm Based on Evolution Strategies. <b>2013</b> , 860-863, 2040-2045	1
268	Putting Peirce's Theory to the Test: Peircean Evolutionary Algorithms. <b>2013</b> , 49, 203	1
267	Optimum oil production planning using infeasibility driven evolutionary algorithm. <i>Evolutionary Computation</i> , <b>2013</b> , 21, 65-82	4-3 25

266	Repair Methods for Box Constraints Revisited. <b>2013</b> , 469-478	8
265	Constraint handling in Firefly Algorithm. <b>2013</b> ,	10
264	A novel evolution strategy for constrained optimization in engineering design. <b>2013</b> ,	4
263	Biased random-key genetic algorithm for nonlinearly-constrained global optimization. <b>2013</b> ,	4
262	Putting Peirce's Theory to the Test: Peircean Evolutionary Algorithms. <b>2013</b> , 49, 77	
261	Mass Functions design of artificial physics optimisation algorithm for constrained optimisation problem. <b>2013</b> , 46, 220	3
260	Population Induced Instabilities in Genetic Algorithms for Constrained Optimization. <b>2013</b> , 410, 012078	
259	Ant colony optimization algorithm for continuous domains based on position distribution model of ant colony foraging. <b>2014</b> , 2014, 428539	8
258	. <b>2014</b> ,	6
257	A CMA-ES-based 2-stage memetic framework for solving constrained optimization problems. <b>2014</b> ,	1
256	Component-Based Ranking Strategy for Evolutionary Optimization with Sparse Constraints. <b>2014</b> , 556-562, 3925-3929	
255	A Guaranteed Global Convergence Social Cognitive Optimizer. <b>2014</b> , 2014, 1-8	3
254	Multi-criteria probability collectives. <b>2014</b> , 6, 369	5
253	A constraint approximation assisted PSO for computationally expensive constrained problems. <b>2014</b> ,	4
252	Hyper-heuristics with penalty parameter adaptation for constrained optimization. <b>2014</b> ,	1
251	How to Deal with Constraints. <b>2014</b> , 183-196	1
250	Comparative study of IHACRES model optimisation schemes. <b>2014</b> , 167, 194-205	1
249	Application of a multi objective multi-leader particle swarm optimization algorithm on NLP and MINLP problems. <b>2014</b> , 60, 57-75	26

248	Hybrid particle swarm optimization algorithm and its application in nuclear engineering. <b>2014</b> , 64, 276-286	8
247	A new algorithm inspired in the behavior of the social-spider for constrained optimization. <b>2014</b> , 41, 412-425	101
246	Random fuzzy bilevel linear programming through possibility-based fractile model. <b>2014</b> , 5, 499-507	1
245	Self-adaptive constrained artificial bee colony for constrained numerical optimization. <b>2014</b> , 24, 723-734	56
244	Adaptation of the musical composition method for solving constrained optimization problems. <b>2014</b> , 18, 1931-1948	9
243	A modified objective function method with feasible-guiding strategy to solve constrained multi-objective optimization problems. <b>2014</b> , 14, 363-380	48
242	Optimal Control of Switched Systems Arising in Fermentation Processes. <b>2014</b> ,	9
241	Approximate multi-objective optimization using conservative and feasible moving least squares method: application to automotive knuckle design. <b>2014</b> , 49, 851-861	7
240	Multi-objective optimization for surface grinding process using a hybrid particle swarm optimization algorithm. <b>2014</b> , 71, 1861-1872	22
239	SO-I: a surrogate model algorithm for expensive nonlinear integer programming problems including global optimization applications. <b>2014</b> , 59, 865-889	39
238	Improved seeker optimization algorithm hybridized with firefly algorithm for constrained optimization problems. <b>2014</b> , 143, 197-207	77
237	PGS-COM: A hybrid method for constrained non-smooth black-box optimization problems: Brief review, novel algorithm and comparative evaluation. <b>2014</b> , 63, 108-139	48
236	On the equality constraints tolerance of Constrained Optimization Problems. <b>2014</b> , 551, 55-65	9
235	Changing range genetic algorithm for multimodal function optimisation. <b>2015</b> , 7, 209	5
234	Particle Swarm Optimization Algorithm for Optimum Well Placement Subject to Realistic Field Development Constraints. <b>2015</b> ,	11
233	Variants of an adaptive penalty scheme for steady-state genetic algorithms in engineering optimization. <b>2015</b> , 32, 2182-2215	8
232	Constrained Optimization Problems Solving Using Evolutionary Algorithms: A Review. <b>2015</b> ,	3
231	Characterising constrained continuous optimisation problems. <b>2015</b> ,	8

230	Constrained Fuzzy Predictive Control Using Particle Swarm Optimization. <b>2015</b> , 2015, 1-15	3
229	Ensemble of Constraint Handling Techniques for Single Objective Constrained Optimization. <b>2015</b> , 231-248	3
228	Equality constraint-handling technique with various mapping points: The case of portfolio replication problem. <b>2015</b> ,	3
227	Adaptation and Hybridization in Computational Intelligence. <b>2015</b> ,	4
226	Performance Analysis of Multistage Interference Cancellation in THUWB Systems Using Adaptive Differential Evolution Algorithm with Novel Mutation and Crossover Strategies. <b>2015</b> , 82, 1179-1199	2
225	Probability Collectives. <b>2015</b> ,	4
224	Globally convergent evolution strategies for constrained optimization. <b>2015</b> , 62, 323-346	13
223	A differential evolution algorithm with constraint sequencing: An efficient approach for problems with inequality constraints. <b>2015</b> , 36, 101-113	10
222	Weighted Superposition Attraction (WSA): A swarm intelligence algorithm for optimization problems [Part 2: Constrained optimization. <b>2015</b> , 37, 396-415	50
221	Decentralized control of units in smart grids for the support of renewable energy supply. <b>2015</b> , 52, 40-52	24
220	Production planning of multi-stage multi-option seru production systems with sustainable measures. <b>2015</b> , 105, 285-299	35
219	Evolving RBF neural networks for rainfall prediction using hybrid particle swarm optimization and genetic algorithm. <b>2015</b> , 148, 136-142	124
218	Bacterial-inspired algorithms for solving constrained optimization problems. <b>2015</b> , 148, 54-62	19
217	Constraint handling in probability collectives using a modified feasibility-based rule. <b>2016</b> , 13, 303	
216	Utilization of the Discrete Differential Evolution for Optimization in Multidimensional Point Clouds. <b>2016</b> , 2016, 6329530	6
215	Constrained artificial bee colony algorithm for optimization problems. <b>2016</b> ,	
214	Constrained evolutionary wind turbine placement with penalty functions. <b>2016</b> ,	4
213	Extension of Evolutionary Algorithms to Constrained Optimization. <b>2016</b> , 329-356	

212	An ensemble of differential evolution algorithms with variable neighborhood search for constrained function optimization. <b>2016,</b>	2
211	PSO+: A nonlinear constraints-handling particle swarm optimization. <b>2016,</b>	3
210	Global/local optimization strategies combined for waterflooding problems. <b>2016,</b> 38, 2051-2062	
209	A Decentralized PSO with Decoder for Scheduling Distributed Electricity Generation. <b>2016,</b> 427-442	5
208	Machine Learning for Evolution Strategies. <b>2016,</b>	17
207	Applications of Evolutionary Computation. <b>2016,</b>	2
206	Genetic Algorithms. <b>2016,</b> 845-902	6
205	Well placement optimization subject to realistic field development constraints. <b>2016,</b> 20, 1185-1209	31
204	Cognitive computing and proposed approaches to conceptual organization of case law knowledge bases: a proposed model for information preparation, indexing, and analysis. <b>2016,</b> 24, 347-370	0
203	Dimensionality Reduction Optimization. <b>2016,</b> 79-87	
202	A Fuzzy Rule-Based Penalty Function Approach for Constrained Evolutionary Optimization. <b>2016,</b> 46, 2953-2965	35
201	An exact penalty function-based differential search algorithm for constrained global optimization. <b>2016,</b> 20, 1305-1313	59
200	Social-Spider Algorithm for Constrained Optimization. <b>2016,</b> 175-202	1
199	Global optimization with spline constraints: a new branch-and-bound method based on B-splines. <b>2016,</b> 65, 401-439	14
198	Stochastic filter methods for generally constrained global optimization. <b>2016,</b> 65, 441-456	4
197	Advances of Evolutionary Computation: Methods and Operators. <b>2016,</b>	3
196	An efficient artificial bee colony algorithm with application to nonlinear predictive control. <b>2016,</b> 45, 393-417	6
195	Hybrid self-adaptive-velocity particle swarm optimisation-Cooper heuristic for the facility location allocation problem in Jakarta. <b>2016,</b> 3, 63-78	1



194	Analysis of Constrained Optimization Problems by the SCE-UA with an Adaptive Penalty Function. <b>2016</b> , 30, 04015035	4
193	Constrained optimization with stochastic feasibility regions applied to vehicle path planning. <b>2016</b> , 64, 803-823	3
192	Balanced ranking method for constrained optimization problems using evolutionary algorithms. <b>2016</b> , 327, 71-90	16
191	On the use of stochastic ranking for parent selection in differential evolution for constrained optimization. <b>2017</b> , 21, 4617-4633	4
190	An efficient chaotic water cycle algorithm for optimization tasks. <b>2017</b> , 28, 57-85	97
189	Distribution in the placement of food in artificial bee colony based on changing factor. <b>2017</b> , 8, 159-172	13
188	A Collective Neurodynamic Approach to Constrained Global Optimization. <b>2017</b> , 28, 1206-1215	58
187	A novel feasibility analysis method for black-box processes using a radial basis function adaptive sampling approach. <b>2017</b> , 63, 532-550	38
186	Bibliography. <b>2017</b> , 217-231	
185	An adaptive penalty scheme to solve constrained structural optimization problems by a Crazyness based Particle Swarm Optimization. <b>2017</b> , 18, 693-722	6
184	Constrained gravitational search algorithm for large scale reservoir operation optimization problem. <b>2017</b> , 62, 222-233	24
183	Particle Swarm Optimization with Intelligent Mutation for Nonlinear Mixed-Integer Reliability-Redundancy Allocation. <b>2017</b> , 16, 1750003	5
182	Ascent phase trajectory optimization for vehicle with multi-combined cycle engine based on improved particle swarm optimization. <b>2017</b> , 140, 156-165	23
181	A new Co-evolutionary Algorithm Based on Constraint Decomposition. <b>2017</b> ,	3
180	A square lattice probability model for optimising the Graph Partitioning Problem. <b>2017</b> ,	2
179	An improved flexible tolerance method for solving nonlinear constrained optimization problems: Application in mass integration. <b>2017</b> , 25, 617-631	1
178	Wireless Distributive Personal Communication for Early Detection of Collateral Cancer Using Optimized Machine Learning Methodology. <b>2017</b> , 94, 2291-2302	2
177	Solving packing identical spheres into a smallest sphere with a particle swarm optimization. <b>2017</b> ,	

176	Effective Constrained Handling by Hybridized Cuckoo Search Algorithm with Box Complex Method. <b>2017</b> , 50, 209-214	2
175	Linear adjustment of a search space in genetic algorithm. <b>2017</b> , 120, 953-960	
174	Optimal resource allocation of dynamic video streaming applications in a public cloud environment. <b>2017</b> ,	
173	Search space reduction approach in evolutionary algorithms: The case of high-dimensional portfolio replication problem. <b>2017</b> ,	2
172	An Adaptive Penalty Function Method for Constrained Continuous Optimization in Population-Based Meta-Heuristic Optimization Methods. <b>2017</b> ,	1
171	Dynamic network structured immune particle swarm optimisation with small-world topology. <b>2017</b> , 9, 93	14
170	Mixed Approaches to Handle Limitations and Execute Mutation in the Genetic Algorithm for Truss Size, Shape and Topology Optimization. <b>2017</b> ,	5
169	. <b>2017</b> ,	12
168	A hybrid algorithm for packing identical spheres into a container. <b>2018</b> , 96, 249-260	2
167	Development of seven hybrid methods based on collective intelligence for solving nonlinear constrained optimization problems. <b>2018</b> , 49, 245-279	8
166	Troop search optimization algorithm for constrained problems. <b>2018</b> , 9, 755-773	
165	Recent Advances in Computational Optimization. <b>2018</b> ,	
164	A modification of tree-seed algorithm using Deb's rules for constrained optimization. <b>2018</b> , 63, 289-305	43
163	State-of-the-art in aerodynamic shape optimisation methods. <b>2018</b> , 62, 933-962	87
162	Optimum design of 3D reinforced concrete frames using DMPSO algorithm. <b>2018</b> , 115, 149-160	29
161	Optimized test suites for automated testing using different optimization techniques. <b>2018</b> , 22, 8341-8352	27
160	Constrained Optimization by Artificial Bee Colony Framework. <b>2018</b> , 6, 73829-73845	7
159	An adaptive penalty guided genetic algorithm for scheduling parallel batch processing machines. <b>2018</b> , 10, 247	3

158	Equality Constraint-Handling Technique with Variables Grouping in EA for Large Scale Global Optimization. <b>2018,</b>	
157	Constraint-Handling Techniques. <b>2018,</b> 269-278	
156	A novel and systematic approach to identify the design space of pharmaceutical processes. <b>2018,</b> 115, 309-322	14
155	A new algorithm based on evolutionary computation for hierarchically coupled constraint optimization: methodology and application to assembly job-shop scheduling. <b>2018,</b> 21, 545-563	8
154	Dimensionality reduction in feasibility analysis by latent variable modeling. <b>2018,</b> 44, 1477-1482	
153	Artificial Bee Colony Algorithm Variants and Its Application to Colormap Quantization. <b>2019,</b> 25-41	3
152	Evolutionary and Swarm Intelligence Algorithms. <b>2019,</b>	23
151	Benefits of noise in M-estimators: Optimal noise level and probability density. <b>2019,</b> 534, 120835	0
150	PSO+: A new particle swarm optimization algorithm for constrained problems. <b>2019,</b> 85, 105865	36
149	Search Space Reduction Model with Trigonometric Function for Linear Equality Constraint-handling: The Case of Portfolio Replication Problem. <b>2019,</b>	1
148	Comparison of Constraint-Handling Techniques for Metaheuristic Optimization. <b>2019,</b> 357-366	4
147	Evolutionary Learning: Advances in Theories and Algorithms. <b>2019,</b>	24
146	A Penalty Method Based-Spring Design optimization Using Bio-inspired Computation Approach. <b>2019,</b>	1
145	Evolutionary Algorithms with Constraint Handling for the Hydroelectric Dispatch Planning. <b>2019,</b>	
144	Constraint Consensus Based Artificial Bee Colony Algorithm for Constrained Optimization Problems. <b>2019,</b> 2019, 1-24	1
143	Local and global characteristics-based kernel hybridization to increase optimal support vector machine performance for stock market prediction. <b>2019,</b> 60, 971-1000	41
142	Multi-Objective Design Optimization of an MoM Aircraft using an Asynchronous Constrained PSO. <b>2019,</b>	1
141	Bound constraints handling in Differential Evolution: An experimental study. <b>2019,</b> 50, 100453	15

140	Butterfly Constrained Optimizer for Constrained Optimization Problems. <b>2019</b> , 477-486		1
139	Benchmarking evolutionary algorithms for single objective real-valued constrained optimization [A critical review. <b>2019</b> , 44, 927-944		28
138	An elitism-based self-adaptive multi-population Jaya algorithm and its applications. <b>2019</b> , 23, 4383-4406		28
137	An optimized IS-APCPSO algorithm for large scale complex traffic network. <b>2019</b> , 22, 3271-3284		
136	Constraint Handling Guided by Landscape Analysis in Combinatorial and Continuous Search Spaces. <i>Evolutionary Computation</i> , <b>2019</b> , 27, 267-289	4-3	9
135	An oracle penalty and modified augmented Lagrangian methods with firefly algorithm for constrained optimization problems. <b>2020</b> , 20, 985-1010		2
134	Difficulty Adjustable and Scalable Constrained Multiobjective Test Problem Toolkit. <i>Evolutionary Computation</i> , <b>2020</b> , 28, 339-378	4-3	27
133	Soft constraint handling for a real-world multiobjective energy distribution problem. <b>2020</b> , 58, 6061-6077		1
132	A new hybrid algorithm to solve bound-constrained nonlinear optimization problems. <b>2020</b> , 32, 12427-12452		10
131	. <b>2020</b> , 8, 5699-5722		56
130	Multi-fidelity meta-optimization for nature inspired optimization algorithms. <b>2020</b> , 96, 106619		2
129	Application of the Improved PSO-Based Extended Domain Method in Engineering. <b>2020</b> , 2020, 1-14		0
128	Two-Stage Multi-Swarm Particle Swarm Optimizer for Unconstrained and Constrained Global Optimization. <b>2020</b> , 8, 124905-124927		20
127	Discrete Size and Shape Optimization of Truss Structures Based on Job Search Inspired Strategy and Genetic Operations. <b>2020</b> ,		2
126	. <b>2020</b> , 15, 62-73		7
125	. <b>2020</b> , 39, 3674-3685		5
124	A Particle Swarm Optimization Algorithm for Solving Pricing and Lead Time Quotation in a Dual-Channel Supply Chain with Multiple Customer Classes. <b>2020</b> , 2020, 1-21		0
123	A Self-Adaption Butterfly Optimization Algorithm for Numerical Optimization Problems. <b>2020</b> , 8, 88026-88041		11

122	Multiobjective evolutionary algorithm (MOEA)-based sparse clustering. <b>2020</b> , 127-195	
121	A multiple objective evolutionary algorithm approach to find optimal design parameters for beam position monitoring systems. <b>2020</b> , 31, 2050038	
120	Diversity driven multi-parent evolutionary algorithm with adaptive non-uniform mutation. <b>2020</b> , 1-32	10
119	Implicit constraints handling for efficient search of feasible solutions. <b>2020</b> , 363, 112917	9
118	Artificial electric field algorithm for engineering optimization problems. <b>2020</b> , 149, 113308	25
117	A concurrent implementation of the surrogate management framework with application to cardiovascular shape optimization. <b>2020</b> , 21, 1487-1536	5
116	Enhanced superposition determination for weighted superposition attraction algorithm. <b>2020</b> , 24, 15015-15040	
115	Application of adaptive reliability importance sampling-based extended domain PSO on single mode failure in reliability engineering. <b>2021</b> , 546, 42-59	55
114	Dynamic Wireless Information and Power Transfer Scheme for Nano-Empowered Vehicular Networks. <b>2021</b> , 22, 4088-4099	2
113	Application of binary PSO for public cloud resources allocation system of video on demand (VoD) services. <b>2021</b> , 99, 106870	4
112	A review on genetic algorithm: past, present, and future. <b>2020</b> , 80, 1-36	348
111	An Improved Cohort Intelligence with Panoptic Learning Behavior for Solving Constrained Problems. <b>2021</b> , 29-54	
110	A chaos-based constrained optimization algorithm. <b>2021</b> , 12, 9953-9976	1
109	Revisiting Feature Ranking Methods using Information-Centric and Evolutionary Approaches: Survey. <b>2021</b> , 11,	1
108	Nonpenalty Machine Learning Constraint Handling Using PSO-SVM for Structural Optimization. <b>2021</b> , 2021, 1-17	9
107	A comprehensive survey on optimizing deep learning models by metaheuristics. 1	7
106	A merit function approach for evolution strategies. <b>2021</b> , 9, 100001	0
105	Optimization method for linear constraint problems. <b>2021</b> , 51, 101315	0

104	Feasibility-ratio based sequencing for computationally efficient constrained optimization. <b>2021</b> , 62, 100850	2
103	Pure Random Orthogonal Search (PROS): A Plain and Elegant Parameterless Algorithm for Global Optimization. <b>2021</b> , 11, 5053	5
102	Constrained Nonlinear Predictive Control Using Neural Networks and Teaching-Learning-Based Optimization. <b>2021</b> , 32, 1228-1243	1
101	A survey on evolutionary computation for complex continuous optimization. 1	34
100	Differential evolution and particle swarm optimization against COVID-19. <b>2021</b> , 1-71	1
99	An Improved Equilibrium Optimizer Algorithm and Its Application in LSTM Neural Network. <b>2021</b> , 13, 1706	1
98	Adaptive multi-surrogate-based constrained optimization method and its application. <b>2021</b> , 122, 7202	0
97	How to Deal With Constraints. <b>2021</b> , 207-220	0
96	Easy Particle Swarm Optimization for Nonlinear Constrained Optimization Problems. <b>2021</b> , 9, 124757-124767	5
95	Use of Multiobjective Optimization Concepts to Handle Constraints in Genetic Algorithms. <b>2005</b> , 229-254	3
94	Handling Constraints in Global Optimization Using an Artificial Immune System. <b>2005</b> , 234-247	24
93	Negative Selection with Ranking Procedure in Tabu-Based Multi-criterion Evolutionary Algorithm for Task Assignment. <b>2006</b> , 863-870	8
92	A Hybrid Particle Swarm Optimization for Binary CSPs. <b>2006</b> , 39-49	4
91	A Penalty-Based Evolutionary Algorithm for Constrained Optimization. <b>2006</b> , 740-748	3
90	A Simple Ranking and Selection for Constrained Evolutionary Optimization. <b>2006</b> , 537-544	15
89	An Adaptive Penalty Scheme for Steady-State Genetic Algorithms. <b>2003</b> , 718-729	4
88	Crossover Operator Effect in Function Optimization with Constraints. <b>2002</b> , 184-193	5
87	Nonlinear Programming Based on Particle Swarm Optimization. <b>2008</b> , 173-183	2

86	Handling Constraints in Genetic Algorithms Using Dominance-based Tournaments. <b>2002</b> , 273-284	29
85	Constrained Optimization Using an Evolutionary Programming-based Cultural Algorithm. <b>2002</b> , 317-328	4
84	Multi-Constrained Nonlinear Optimization by the Differential Evolution Algorithm. <b>2002</b> , 305-318	11
83	Boundary Searching Genetic Algorithm: A Multi-objective Approach for Constrained Problems. <b>2014</b> , 269-276	2
82	A Differential Evolution Algorithm with a Variable Neighborhood Search for Constrained Function Optimization. <b>2015</b> , 171-184	5
81	A Differential Evolution Algorithm for Optimization Including Linear Equality Constraints. <b>2015</b> , 262-273	2
80	Image Segmentation Based on Differential Evolution Optimization. <b>2016</b> , 9-22	2
79	An Improved Diversity Mechanism for Solving Constrained Optimization Problems Using a Multimembered Evolution Strategy. <b>2004</b> , 700-712	10
78	Constrained Optimization by Constrained Differential Evolution with Dynamic Level Control. <b>2008</b> , 139-154	20
77	A Comparison of GAs Using Penalizing Infeasible Solutions and Repairing Infeasible Solutions on Average Capacity Knapsack. <b>2007</b> , 100-109	2
76	An Evolutionary Agent System for Mathematical Programming. <b>2007</b> , 187-196	4
75	Infeasibility Driven Evolutionary Algorithm (IDEA) for Engineering Design Optimization. <b>2008</b> , 104-115	22
74	Constrained Real-Parameter Optimization with Self-Adaptive Differential Evolution. <b>2009</b> , 73-93	27
73	An Improved Particle Swarm Optimization with Feasibility-Based Rules for Constrained Optimization Problems. <b>2009</b> , 202-211	5
72	Classification-Assisted Memetic Algorithms for Equality-Constrained Optimization Problems. <b>2009</b> , 391-400	9
71	A Novel Cultural Algorithm and Its Application to the Constrained Optimization in Ammonia Synthesis. <b>2010</b> , 52-58	8
70	Social Emotional Optimization Algorithm for Nonlinear Constrained Optimization Problems. <b>2010</b> , 583-590	23
69	Knowledge-Based Constrained Function Optimization Using Cultural Algorithms with an Enhanced Social Influence Metaphor. <b>2011</b> , 103-119	4

68	Multilocal Programming: A Derivative-Free Filter Multistart Algorithm. <b>2013</b> , 333-346	6
67	Constraint-Handling with Support Vector Decoders. <b>2014</b> , 228-244	8
66	A Novel Hybrid Direct Search Method for Constrained Non-Smooth Black-Box Problems. <b>2013</b> , 295-300	1
65	Optimal proportioning of concrete aggregates using a self-adaptive genetic algorithm. <b>2005</b> , 2, 411-421	7
64	A Genetic Algorithm Based Hybrid Approach for Reliability-Redundancy Optimization Problem of a Series System with Multiple-Choice. <b>2017</b> , 2, 185-212	13
63	Constrained Optimization Evolutionary Algorithms. <b>2009</b> , 20, 11-29	23
62	A Differential Evolution Based on Double Populations for Constrained Multi-Objective Optimization Problem. <b>2009</b> , 31, 228-235	9
61	A hybrid method combining genetic algorithm and Hooke-Jeeves method for constrained global optimization. <b>2014</b> , 10, 1279-1296	37
60	Behavioral Study of Drosophila Fruit Fly and Its Modeling for Soft Computing Application. 32-84	2
59	An Interactive Fuzzy Satisficing Method for Multiobjective Stochastic Integer Programming with Simple Recourse. <b>2012</b> , 03, 1245-1251	6
58	Lifecycle-based Swarm Optimization Method for Constrained Optimization. <b>2011</b> , 6,	3
57	The Structure Optimization of Main Beam for Bridge Crane Based on An Improved PSO. <b>2011</b> , 6,	6
56	A hybrid ITLHHO algorithm for numerical and engineering optimization problems.	11
55	A Cultural Algorithm for Constrained Optimization. <b>2002</b> , 98-107	3
54	IS-PAES: A Constraint-Handling Technique Based on Multiobjective Optimization Concepts. <b>2003</b> , 73-87	2
53	Model of the Immune System to Handle Constraints in Evolutionary Algorithm for Pareto Task Assignments. <b>2003</b> , 3-12	
52	Constrained Coverage Optimisation for Mobile Cellular Networks. <b>2003</b> , 199-210	1
51	Use of Multiobjective Optimization Concepts to Handle Constraints in Single-Objective Optimization. <b>2003</b> , 573-584	1



- 50 An Evolutionary Algorithm Based on Stochastic Weighted Learning for Constrained Optimization. **2005**, 1105-1111
- 49 Immune Clonal Selection Evolutionary Strategy for Constrained Optimization. **2006**, 661-670 2
- 48 Optimum parameterization in grillage design under a worst point load. **2006**, 30, 137-143
- 47 Particle Swarm Optimization for Jump Height Maximization of a Serial Link Robot. **2007**, 11, 956-963
- 46 Task Decomposition for Optimization Problem Solving. **2008**, 329-338
- 45 A Computational Method for Obtaining Stackelberg Solutions to Noncooperative Two-Level Programming Problems through Evolutionary Multi-Agent Systems. **2009**, 639-648 1
- 44 A Novel Component-Based Model and Ranking Strategy in Constrained Evolutionary Optimization. **2009**, 362-373 1
- 43 Hybrid algorithm based on cultural algorithm and modified differential evolution algorithm. **2009**, 29, 1264-1266 0
- 42 Constraint Handling in Transmission Network Expansion Planning. **2010**, 709-717
- 41 Constrained Optimization. **2010**, 135-164
- 40 A New Self-adaption Differential Evolution Algorithm Based Component Model. **2010**, 54-63 1
- 39 An Agent Based Evolutionary Approach for Nonlinear Optimization with Equality Constraints. **2010**, 49-76
- 38 A computational method for obtaining Stackelberg solutions to two-level nonlinear programming Problems through particle swarm optimization. **2011**, 23, 350-362 0
- 37 Orbital transfers: optimization methods and recent results. **2011**, 1, 435-485 0
- 36 Interactive Fuzzy Programming for Random Fuzzy Two-Level Integer Programming Problems through Fractile Criteria with Possibility. **2013**, 04, 34-43
- 35 Constrained Nonlinear Optimization in Business. **2014**, 523-535
- 34 Constrained Mathematical Programming. **2014**, 25-39
- 33 Incremental Approximation Models for Constrained Evolutionary Optimization. **2015**, 135-156

- 32 Constrained Probability Collectives with a Penalty Function Approach. **2015**, 61-72
- 31 ALGORITMO MULTI OBJETIVO PARA OTIMIZAÇÃO DE PROBLEMAS RESTRITOS APLICADOS A INDÚSTRIA.
- 30 Extensions of Firefly Algorithm for Nonsmooth Nonconvex Constrained Optimization Problems. **2016**, 402-417
- 29 Truss Structure Optimization Using Co-variance Based Artificial Bee Colony Algorithm. **2016**, 174-183
- 28 Constraint Meta-Modeling. **2016**, 67-76
- 27 Cohort Intelligence for Constrained Test Problems. **2017**, 25-37
- 26 Enhancing Support Vector Decoders by Integrating an Uncertainty Model. **2017**, 114-132 1
- 25 A Novel Hybrid Bird Mating Optimizer with Differential Evolution for Engineering Design Optimization Problems. **2018**, 522-534 3
- 24 Sequential Predictive Scheduling in Partitioned Data Domains. **2018**, 1-23
- 23 Constrained Nonlinear Optimization in Information Science. **2018**, 4594-4606
- 22 Constrained Nonlinear Optimization in Information Science. **2019**, 705-721
- 21 Multiobjective Imperialist Competitive Algorithm for Solving Nonlinear Constrained Optimization Problems. **2019**, 7, 532-549 0
- 20 Benchmarking Differential Evolution. **2005**, 135-187
- 19 Comparison of Simulated Annealing, Interval Partitioning and Hybrid Algorithms in Constrained Global Optimization. **2007**, 1-22
- 18 Immune Clonal Selection Evolutionary Strategy for Constrained Optimization. **2006**, 661-670 0
- 17 Enhanced Multi-Strategy Particle Swarm Optimization for Constrained Problems with an Evolutionary-Strategies-Based Unfeasible Local Search Operator. **2022**, 12, 2285 6
- 16 Analyses of internal structures and defects in materials using physics-informed neural networks.. **2022**, 8, eabk0644 3
- 15 A mapping-based constraint-handling technique for evolutionary algorithms with its applications to portfolio optimization problems. 1-15

14	Size and Shape Optimization of a Guyed Mast Structure under Wind, Ice and Seismic Loading. <b>2022</b> , 12, 4875	2
13	Fuzzy Expert System for Constraint Handling in Real World Optimization. <b>2022</b> ,	
12	Constraint-handling techniques used with evolutionary algorithms. <b>2022</b> ,	1
11	Contourlet and discrete cosine transform based quality guaranteed robust image watermarking method using artificial bee colony algorithm. <b>2023</b> , 212, 118730	1
10	Impact of Boundary Control Methods on Bound-constrained Optimization Benchmarking. <b>2022</b> , 1-1	0
9	A bi-level transformation based evolutionary algorithm framework for equality constrained optimization.	0
8	Explicitly Constrained Black-Box Optimization With Disconnected Feasible Domains Using Deep Generative Models. <b>2022</b> , 10, 117501-117514	0
7	A surrogate-assisted differential evolution for expensive constrained optimization problems involving mixed-integer variables. <b>2023</b> , 622, 282-302	0
6	Optimization Design of Automotive Body Stiffness Using a Boundary Hybrid Genetic Algorithm. <b>2022</b> , 10, 1171	2
5	A Review on Constraint Handling Techniques for Population-based Algorithms: from single-objective to multi-objective optimization.	2
4	Single- and Multi-Objective Optimization Frameworks of Shape Design of Tubular Linear Synchronous Motor. <b>2023</b> , 16, 2409	0
3	Optimizing planning and operation of renewable energy communities with genetic algorithms. <b>2023</b> , 338, 120906	0
2	Chaotic Social Group Optimization for Structural Engineering Design Problems.	0
1	Heron: Automatically Constrained High-Performance Library Generation for Deep Learning Accelerators. <b>2023</b> ,	0