

M Montaz Ali

List of Publications by Year in descending order

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81
papers

2,498
citations

279701

23
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197736

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81
all docs

81
docs citations

81
times ranked

1762
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient model for locating solid waste collection sites in urban residential areas. International Journal of Production Research, 2021, 59, 798-812.	4.9	15
2	Proportional+integral+derivative control of nonlinear full-car electrohydraulic suspensions using global and evolutionary optimization techniques. Journal of Low Frequency Noise Vibration and Active Control, 2020, 39, 393-415.	1.3	6
3	Solving a dial-a-flight problem using composite variables. Top, 2020, 28, 123-153.	1.1	0
4	A derivative-free algorithm for non-linear optimization with linear equality constraints. Optimization, 2020, 69, 1361-1387.	1.0	2
5	On Solving Nonsmooth Mixed-Integer Nonlinear Programming Problems by Outer Approximation and Generalized Benders Decomposition. Journal of Optimization Theory and Applications, 2019, 181, 840-863.	0.8	5
6	A Trajectory-Based Method for Constrained Nonlinear Optimization Problems. Journal of Optimization Theory and Applications, 2018, 177, 479-497.	0.8	0
7	A trajectory-based method for mixed integer nonlinear programming problems. Journal of Global Optimization, 2018, 70, 601-623.	1.1	2
8	Dynamic neural network-based feedback linearization control of full-car suspensions using PSO. Applied Soft Computing Journal, 2018, 70, 723-736.	4.1	24
9	Linear transformation based solution methods for non-convex mixed integer quadratic programs. Optimization Letters, 2017, 11, 967-981.	0.9	1
10	An Algorithm for Minimum L-Infinity Solution of Under-determined Linear Systems. Journal of Optimization Theory and Applications, 2017, 175, 510-526.	0.8	1
11	Vehicles Assignment With Over-Emission Intensity Considerations: A Perspective on Integrating the Market Mechanism With Government Control. IEEE Access, 2016, 4, 5098-5110.	2.6	4
12	Transformation-Based Preprocessing for Mixed-Integer Quadratic Programs. Journal of Optimization Theory and Applications, 2016, 168, 1039-1045.	0.8	2
13	An effective discrete dynamic convexized method for solving the winner determination problem. Journal of Combinatorial Optimization, 2016, 32, 563-593.	0.8	8
14	An Effective Hybrid Memetic Algorithm for the Minimum Weight Dominating Set Problem. IEEE Transactions on Evolutionary Computation, 2016, 20, 892-907.	7.5	37
15	Mathematical Modeling and Optimization of Industrial Problems. Journal of Applied Mathematics, 2015, 2015, 1-3.	0.4	2
16	Benchmarking RCGAu on the Noiseless BBOB Testbed. Scientific World Journal, The, 2015, 2015, 1-11.	0.8	1
17	Convex mixed integer nonlinear programming problems and an outer approximation algorithm. Journal of Global Optimization, 2015, 63, 213-227.	1.1	7
18	Outer Approximation Algorithm for One Class of Convex Mixed-Integer Nonlinear Programming Problems with Partial Differentiability. Journal of Optimization Theory and Applications, 2015, 167, 644-652.	0.8	7

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19	Stability analysis of the anti-stable heat equation with uncertain disturbance on the boundary. Journal of Mathematical Analysis and Applications, 2015, 428, 1193-1201.	0.5	5
20	Continuous dependence of optimal control to controlled domain of actuator for heat equation. Systems and Control Letters, 2015, 79, 30-38.	1.3	2
21	Generalized Benders Decomposition for one Class of MINLPs with Vector Conic Constraint. SIAM Journal on Optimization, 2015, 25, 1809-1825.	1.2	4
22	A trust-region-based derivative free algorithm for mixed integer programming. Computational Optimization and Applications, 2015, 60, 199-229.	0.9	17
23	A computational study on different penalty approaches for solving constrained global optimization problems with the electromagnetism-like method. Optimization, 2014, 63, 403-419.	1.0	15
24	A Tabu Search-Based Memetic Algorithm for Hardware/Software Partitioning. Mathematical Problems in Engineering, 2014, 2014, 1-15.	0.6	12
25	Observability Estimate for the Fractional Order Parabolic Equations on Measurable Sets. Abstract and Applied Analysis, 2014, 2014, 1-5.	0.3	3
26	Evolutionary algorithm-based PID controller tuning for nonlinear quarter-car electrohydraulic vehicle suspensions. Nonlinear Dynamics, 2014, 78, 2795-2810.	2.7	52
27	Mathematical Modeling and Optimal Blank Generation in Glass Manufacturing. Journal of Applied Mathematics, 2014, 2014, 1-12.	0.4	1
28	A Note on Convex Reformulation Schemes for Mixed Integer Quadratic Programs. Journal of Optimization Theory and Applications, 2014, 160, 457-469.	0.8	3
29	A derivative-free algorithm for linearly constrained optimization problems. Computational Optimization and Applications, 2014, 57, 599-621.	0.9	11
30	Real-coded genetic algorithm with uniform random local search. Applied Mathematics and Computation, 2014, 228, 589-597.	1.4	18
31	Stability of optimal control of heat equation with singular potential. Systems and Control Letters, 2014, 74, 18-23.	1.3	1
32	Intelligent feedback linearization control of nonlinear electrohydraulic suspension systems using particle swarm optimization. Applied Soft Computing Journal, 2014, 24, 50-62.	4.1	27
33	On the ERM formulation and a stochastic approximation algorithm of the stochastic- ER_0 EVLCP. Annals of Operations Research, 2014, 217, 513-534.	2.6	2
34	Mathematical modeling of electric power flow and the minimization of power losses on transmission lines. Applied Mathematics and Computation, 2014, 241, 214-221.	1.4	33
35	Particle Swarm Optimized Intelligent Control of Nonlinear Full-Car Electrohydraulic Suspensions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1772-1777.	0.4	2
36	A penalty function-based differential evolution algorithm for constrained global optimization. Computational Optimization and Applications, 2013, 54, 707-739.	0.9	60

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37	An investigation of K -means clustering to high and multi-dimensional biological data. <i>Kybernetes</i> , 2013, 42, 614-627.	1.2	1
38	Max- k -Cut by the Discrete Dynamic Convexized Method. <i>INFORMS Journal on Computing</i> , 2013, 25, 27-40.	1.0	15
39	Differential Evolution-Based PID Control of Nonlinear Full-Car Electrohydraulic Suspensions. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-13.	0.6	17
40	NUMERICAL STUDIES OF SOME GENERALIZED CONTROLLED RANDOM SEARCH ALGORITHMS. <i>Asia-Pacific Journal of Operational Research</i> , 2012, 29, 1250016.	0.9	2
41	A derivative-free variant called DFSA of Dekkers and Aarts's continuous simulated annealing algorithm. <i>Applied Mathematics and Computation</i> , 2012, 219, 605-616.	1.4	5
42	Sample average approximation method for a class of stochastic variational inequality problems. <i>Journal of Systems Science and Complexity</i> , 2011, 24, 1143-1153.	1.6	13
43	An exact algorithm for the $0-1$ linear knapsack problem with a single continuous variable. <i>Journal of Global Optimization</i> , 2011, 50, 657-673.	1.1	15
44	Preface: Special issue SAGO08. <i>Journal of Global Optimization</i> , 2011, 50, 555-556.	1.1	0
45	Using radial basis functions to construct local volatility surfaces. <i>Applied Mathematics and Computation</i> , 2011, 217, 4834-4839.	1.4	6
46	Differential evolution with generalized differentials. <i>Journal of Computational and Applied Mathematics</i> , 2011, 235, 2205-2216.	1.1	24
47	Real options pricing by the finite element method. <i>Computers and Mathematics With Applications</i> , 2011, 61, 2863-2873.	1.4	15
48	A comparative study of some real-coded genetic algorithms for unconstrained global optimization. <i>Optimization Methods and Software</i> , 2011, 26, 945-970.	1.6	24
49	Sample average approximation method for stochastic complementarity problems with applications to supply chain supernetworks. <i>Journal of Industrial and Management Optimization</i> , 2011, 7, 317-345.	0.8	6
50	A simulated annealing driven multi-start algorithm for bound constrained global optimization. <i>Journal of Computational and Applied Mathematics</i> , 2010, 233, 2661-2674.	1.1	22
51	Stochastic Nonlinear Complementarity Problems: Stochastic Programming Reformulation and Penalty-Based Approximation Method. <i>Journal of Optimization Theory and Applications</i> , 2010, 144, 597-614.	0.8	13
52	A multi-level genetic algorithm for a multi-stage space allocation problem. <i>Mathematical and Computer Modelling</i> , 2010, 51, 109-126.	2.0	16
53	An electromagnetism-like method for nonlinearly constrained global optimization. <i>Computers and Mathematics With Applications</i> , 2010, 60, 2279-2285.	1.4	34
54	Calculation of Critical Points of Thermodynamic Mixtures with Differential Evolution Algorithms. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 1872-1882.	1.8	20

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55	A recursive topographical differential evolution algorithm for potential energy minimization. Journal of Industrial and Management Optimization, 2010, 6, 29-46.	0.8	2
56	Penalty-based SAA method of stochastic nonlinear complementarity problems. Journal of Industrial and Management Optimization, 2010, 6, 241-257.	0.8	0
57	A heuristic solution to the university timetabling problem. Engineering Computations, 2009, 26, 972-984.	0.7	17
58	Discrete dynamic convexized method for nonlinearly constrained nonlinear integer programming. Computers and Operations Research, 2009, 36, 2723-2728.	2.4	11
59	A local exploration-based differential evolution algorithm for constrained global optimization. Applied Mathematics and Computation, 2009, 208, 31-48.	1.4	33
60	Improved versions of the LEDE algorithm for constrained global optimization. Applied Mathematics and Computation, 2009, 215, 431-440.	1.4	2
61	Differential evolution algorithms applied to nuclear reactor core design. Annals of Nuclear Energy, 2009, 36, 1093-1099.	0.9	34
62	Solving nonlinearly constrained global optimization problem via an auxiliary function method. Journal of Computational and Applied Mathematics, 2009, 230, 491-503.	1.1	17
63	Improved particle swarm algorithms for global optimization. Applied Mathematics and Computation, 2008, 196, 578-593.	1.4	89
64	Limited memory interior point bundle method for large inequality constrained nonsmooth minimization. Applied Mathematics and Computation, 2008, 198, 382-400.	1.4	15
65	Synthesis of the γ -distribution as an aid to stochastic global optimization. Computational Statistics and Data Analysis, 2007, 52, 133-149.	0.7	16
66	Differential evolution with preferential crossover. European Journal of Operational Research, 2007, 181, 1137-1147.	3.5	76
67	Integrated crossover rules in real coded genetic algorithms. European Journal of Operational Research, 2007, 176, 60-76.	3.5	62
68	Differential evolution algorithms using hybrid mutation. Computational Optimization and Applications, 2007, 37, 231-246.	0.9	72
69	A numerical study of some modified differential evolution algorithms. European Journal of Operational Research, 2006, 169, 1176-1184.	3.5	245
70	Financial Optimization Models in Data Networks*. Journal of Global Optimization, 2006, 35, 27-52.	1.1	0
71	A Differential Free Point Generation Scheme in the Differential Evolution Algorithm. Journal of Global Optimization, 2006, 35, 551-572.	1.1	34
72	Some Variants of the Controlled Random Search Algorithm for Global Optimization. Journal of Optimization Theory and Applications, 2006, 130, 253-264.	0.8	120

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73	Global optimization models in data networks: a case study. Computers and Operations Research, 2006, 33, 1437-1458.	2.4	5
74	The structure of atomic and molecular clusters, optimised using classical potentials. Computer Physics Communications, 2006, 175, 451-464.	3.0	19
75	A Numerical Evaluation of Several Stochastic Algorithms on Selected Continuous Global Optimization Test Problems. Journal of Global Optimization, 2005, 31, 635-672.	1.1	478
76	An Iterative Global Optimization Algorithm for Potential Energy Minimization. Computational Optimization and Applications, 2005, 30, 119-132.	0.9	29
77	Population set-based global optimization algorithms: some modifications and numerical studies. Computers and Operations Research, 2004, 31, 1703-1725.	2.4	349
78	A direct search variant of the simulated annealing algorithm for optimization involving continuous variables. Computers and Operations Research, 2002, 29, 87-102.	2.4	44
79	Modified controlled random search algorithms. International Journal of Computer Mathematics, 1994, 53, 229-235.	1.0	32
80	Topographical Multilevel Single Linkage. Journal of Global Optimization, 1994, 5, 349-358.	1.1	46
81	The structure of small clusters ejected by ion bombardment of solids. Vacuum, 1993, 44, 377-379.	1.6	11