Wenyu Sun

List of Publications by Year
in descending order

45 papers	578 citations	840776 11 h-index	642732 23 g-index
45 all docs	45 docs citations	45 times ranked	237 citing authors

#	Article	IF	Citations
1	Numerical multilinear algebra and its applications. Frontiers of Mathematics in China, 2007, 2, 501-526.	0.7	90
2	Nonmonotone trust region method for solving optimization problems. Applied Mathematics and Computation, 2004, 156, 159-174.	2.2	74
3	Global convergence of nonmonotone descent methods for unconstrained optimization problems. Journal of Computational and Applied Mathematics, 2002, 146, 89-98.	2.0	61
4	A trust region method for conic model to solve unconstraind optimizaions^{âˆ—}. Optimization Methods and Software, 1996, 6, 237-263.	2.4	52
5	Nonmonotone adaptive trust-region method for unconstrained optimization problems. Applied Mathematics and Computation, 2005, 163, 489-504.	2.2	51
6	A Conic Trust-Region Method for Nonlinearly Constrained Optimization. Annals of Operations Research, 2001, 103, 175-191.	4.1	27
7	On filter-successive linearization methods for nonlinear semidefinite programming. Science in China Series A: Mathematics, 2009, 52, 2341-2361.	0.5	26
8	A NONMONOTONE FILTER BARZILAI-BORWEIN METHOD FOR OPTIMIZATION. Asia-Pacific Journal of Operational Research, 2010, 27, 55-69.	1.3	16
9	An adaptive conic trust-region method for unconstrained optimization. Optimization Methods and Software, 2005, 20, 665-677.	2.4	12
10	An infeasible interior-point algorithm with full-Newton step for linear optimization. Numerical Algorithms, 2007, 46, 173-188.	1.9	12
11	A Full-Newton Step Infeasible Interior-Point Algorithm for Linear Programming Based on a Kernel Function. Applied Mathematics and Optimization, 2009, 60, 237-251.	1.6	12
12	An adaptive approach of conic trust-region method for unconstrained optimization problems. Journal of Applied Mathematics and Computing, 2005, 19, 165-177.	2.5	11
13	A dwindling filter line search method for unconstrained optimization. Mathematics of Computation, 2014, 84, 187-208.	2.1	11
14	Newton's method and quasi-Newtonâ€"SQP method for general LC1 constrained optimization. Applied Mathematics and Computation, 1998, 92, 69-84.	2.2	9
15	A full-NT-step infeasible interior-point algorithm for SDP based on kernel functions. Applied Mathematics and Computation, 2011, 217, 4990-4999.	2.2	9
16	A filter-trust-region method for LC 1 unconstrained optimization and its global convergence. Analysis in Theory and Applications, 2008, 24, 55-66.	0.4	8
17	An Iterative Method for the Minimax Problem. Nonconvex Optimization and Its Applications, 1995, , 55-67.	0.1	8
18	New decomposition methods for solving variational inequality problems. Mathematical and Computer Modelling, 2003, 37, 405-418.	2.0	7

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19	A modified trust region method with Bealeâ€™s PCG technique for optimization. Computational Optimization and Applications, 2008, 40, 59-72.	1.6	7
20	A feasible direction method for the semidefinite program with box constraints. Applied Mathematics Letters, 2011, 24, 1874-1881.	2.7	7
21	A Barzilai and Borwein scaling conjugate gradient method for unconstrained optimization problems. Applied Mathematics and Computation, 2015, 262, 136-144.	2.2	7
22	On the global convergence of a nonmonotone proximal bundle method for convex nonsmooth minimization. Optimization Methods and Software, 2008, 23, 227-235.	2.4	6
23	On convergence analysis of a derivative-free trust region algorithm for constrained optimization with separable structure. Science China Mathematics, 2014, 57, 1287-1302.	1.7	6
24	A new simple model trust-region method with generalized Barzilai-Borwein parameter for large-scale optimization. Science China Mathematics, 2016, 59, 2265-2280.	1.7	6
25	The restricted generalized inverses corresponding to constrained quadratic systemâˆ—. International Journal of Computer Mathematics, 1996, 62, 285-296.	1.8	5
26	A modified Newtonâ€™s method for best rank-one approximation to tensors. Applied Mathematics and Computation, 2010, 216, 1859-1867.	2.2	5
27	Global convergence of a filter-trust-region algorithm for solving nonsmooth equations. International Journal of Computer Mathematics, 2010, 87, 788-796.	1.8	4
28	Mixed duality without a constraint qualification for minimax fractional programming. Optimization, 2003, 52, 617-627.	1.7	3
29	An alternating structured trust region algorithm for separable optimization problems with nonconvex constraints. Computational Optimization and Applications, 2014, 57, 365-386.	1.6	3
30	A filter-trust-region method based on conic model for unconstrained optimization. Scientia Sinica Mathematica, 2012, 42, 527-543.	0.2	3
31	A filter successive linear programming method for nonlinear semidefinite programming problems. Numerical Algebra, Control and Optimization, 2012, 2, 193-206.	1.6	3
32	On the convergence of an iterative method for the minimax problem. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1997, 39, 280-292.	0.2	2
33	Adaptive nonmonotone line search method for unconstrained optimization. Frontiers of Mathematics in China, 2008, 3, 133-148.	0.7	2
34	A hybrid splitting method for variational inequality problems with separable structure. Optimization Methods and Software, 2013, 28, 725-742.	2.4	2
35	On solving a class of linear semi-infinite programming by SDP method. Optimization, 2013, , 1-14.	1.7	2
36	Nonmonotone adaptive trust region method based on simple conic model for unconstrained optimization. Frontiers of Mathematics in China, 2014, 9, 1211-1238.	0.7	2

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37	A seminorm regularized alternating least squares algorithm for canonical tensor decomposition. Journal of Computational and Applied Mathematics, 2019, 347, 296-313.	2.0	2
38	Duality and Lagrange multipliers for nonsmooth multiobjective programming. Bulletin of the Australian Mathematical Society, 2006, 74, 369-383.	0.5	1
39	An equivalency condition of nonsingularity in nonlinear semidefinite programming. Journal of Systems Science and Complexity, 2010, 23, 822-829.	2.8	1
40	On duality theory for non-convex semidefinite programming. Annals of Operations Research, 2011, 186, 331-343.	4.1	1
41	A Predictor-corrector algorithm with multiple corrections for convex quadratic programming. Computational Optimization and Applications, 2012, 52, 373-391.	1.6	1
42	A wedge trust region method with self-correcting geometry for derivative-free optimization. Numerical Algebra, Control and Optimization, 2015, 5, 169-184.	1.6	1
43	Preconditioning approaches related to canonical correlation by use of cyclic form. International Journal of Systems Science, 2009, 40, 1087-1094.	5.5	0
44	A nonmonotone globalization algorithm with preconditioned gradient path for unconstrained optimization. Applied Mathematics and Computation, 2010, 217, 4257-4264.	2.2	0
45	A derivative-free algorithm for spherically constrained optimization. Journal of Global Optimization, 2020, 76, 841-861.	1.8	0