Jin-Bao Jian

List of Publications by Year
in descending order

91	973	516710	580821
papers	citations	16	25
		h-index	g-index

91	91	91	449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Convergence of Bregman Peaceman–Rachford Splitting Method for Nonconvex Nonseparable Optimization. Journal of the Operations Research Society of China, 2023, 11, 707-733.	1.4	3
2	A modified inertial three-term conjugate gradient projection method for constrained nonlinear equations with applications in compressed sensing. Numerical Algorithms, 2023, 92, 1621-1653.	1.9	10
3	A Superlinearly Convergent Splitting Feasible Sequential Quadratic Optimization Method for Two-Block Large-Scale Smooth Optimization. Acta Mathematica Scientia, 2023, 43, 1-24.	1.0	2
4	A sequential quadratic programming algorithm without a penalty function, a filter or a constraint qualification for inequality constrained optimization. Optimization, 2022, 71, 1603-1635.	1.7	3
5	A method combining norm-relaxed QCQP subproblems with active set identification for inequality constrained optimization. Optimization, 2022, 71, 1525-1555.	1.7	2
6	Two Improved Nonlinear Conjugate Gradient Methods with the Strong Wolfe Line Search. Bulletin of the Iranian Mathematical Society, 2022, 48, 2297-2319.	1.0	4
7	Two classes of spectral conjugate gradient methods for unconstrained optimizations. Journal of Applied Mathematics and Computing, 2022, 68, 4435-4456.	2.5	3
8	A new family of hybrid three-term conjugate gradient methods with applications in image restoration. Numerical Algorithms, 2022, 91, 161-191.	1.9	15
9	An improved Polak–Ribière–Polyak conjugate gradient method with an efficient restart direction. Computational and Applied Mathematics, 2021, 40, 1.	2.2	11
10	A QCQP-based splitting SQP algorithm for two-block nonconvex constrained optimization problems with application. Journal of Computational and Applied Mathematics, 2021, 390, 113368.	2.0	13
11	A generalized hybrid CGPM-based algorithm for solving large-scale convex constrained equations with applications to image restoration. Journal of Computational and Applied Mathematics, 2021, 391, 113423.	2.0	16
12	A hybrid three-term conjugate gradient projection method for constrained nonlinear monotone equations with applications. Numerical Algorithms, 2021, 88, 389-418.	1.9	42
13	A New Conjugate Gradient Projection Method for Convex Constrained Nonlinear Equations. Complexity, 2020, 2020, 1-14.	1.6	6
14	A Globally Convergent QP-Free Algorithm for Inequality Constrained Minimax Optimization. Acta Mathematica Scientia, 2020, 40, 1723-1738.	1.0	3
15	Convergence of Linear Bregman ADMM for Nonconvex and Nonsmooth Problems with Nonseparable Structure. Complexity, 2020, 2020, 1-14.	1.6	2
16	A Spectral Conjugate Gradient Method with Descent Property. Mathematics, 2020, 8, 280.	2.2	16
17	Monotone Splitting Sequential Quadratic Optimization Algorithm with Applications in Electric Power Systems. Journal of Optimization Theory and Applications, 2020, 186, 226-247.	1.5	8
18	Two-stage fully distributed approach for unit commitment with consensus ADMM. Electric Power Systems Research, 2020, 181, 106180.	3.6	5

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19	An ADMM-based SQP method for separably smooth nonconvex optimization. Journal of Inequalities and Applications, 2020, 2020, .	1.1	3
20	Improved Fletcherâ€"Reeves and Daiâ€"Yuan conjugate gradient methods with the strong Wolfe line search. Journal of Computational and Applied Mathematics, 2019, 348, 525-534.	2.0	32
21	A Feasible Point Method with Bundle Modification for Nonsmooth Convex Constrained Optimization. Acta Mathematicae Applicatae Sinica, 2018, 34, 254-273.	0.7	4
22	A novel projected two-binary-variable formulation for unit commitment in power systems. Applied Energy, 2017, 187, 732-745.	10.1	50
23	A globally convergent QP-free algorithm for nonlinear semidefinite programming. Journal of Inequalities and Applications, 2017, 2017, 145.	1.1	2
24	A new spectral conjugate gradient method for large-scale unconstrained optimization. Optimization Methods and Software, 2017, 32, 503-515.	2.4	30
25	Primal-dual interior point QP-free algorithm for nonlinear constrained optimization. Journal of Inequalities and Applications, 2017, 2017, 239.	1.1	1
26	Multi-Cuts Outer Approximation Method for Unit Commitment. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	13
27	A QP-free algorithm of quasi-strongly sub-feasible directions for inequality constrained optimization. Journal of Industrial and Management Optimization, 2015, 11, 307-328.	1.3	1
28	A Globally and Superlinearly Convergent Primal-dual Interior Point Method for General Constrained Optimization. Numerical Mathematics, 2015, 8, 313-335.	1.3	2
29	Projected mixed integer programming formulations for unit commitment problem. International Journal of Electrical Power and Energy Systems, 2015, 68, 195-202.	5.5	28
30	Tight Relaxation Method for Unit Commitment Problem Using Reformulation and Lift-and-Project. IEEE Transactions on Power Systems, 2015, 30, 13-23.	6.5	25
31	A strongly sub-feasible primal-dual quasi interior-point algorithm for nonlinear inequality constrained optimization. Applied Mathematics and Computation, 2015, 266, 560-578.	2.2	7
32	A superlinearly convergent QP-free algorithm for mathematical programs with equilibrium constraints. Applied Mathematics and Computation, 2015, 269, 885-903.	2.2	5
33	An improved priority list and neighborhood search method for unit commitment. International Journal of Electrical Power and Energy Systems, 2015, 67, 278-285.	5.5	32
34	New active set identification for general constrained optimization and minimax problems. Journal of Mathematical Analysis and Applications, 2015, 421, 1405-1416.	1.0	5
35	A hybrid conjugate gradient method with descent property for unconstrained optimization. Applied Mathematical Modelling, 2015, 39, 1281-1290.	4.2	46
36	A QP-Free Algorithm for Finite Minimax Problems. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	0

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37	A New Nonmonotone Linesearch SQP Algorithm for Unconstrained Minimax Problem. Numerical Functional Analysis and Optimization, 2014, 35, 487-508.	1.4	1
38	Tighter relaxation method for unit commitment based on second-order cone programming and valid inequalities. International Journal of Electrical Power and Energy Systems, 2014, 55, 82-90.	5.5	24
39	A superlinearly convergent SQP method without boundedness assumptions on any of the iterative sequences. Journal of Computational and Applied Mathematics, 2014, 263, 115-128.	2.0	4
40	Simple Sequential Quadratically Constrained Quadratic Programming Feasible Algorithm with Active Identification Sets for Constrained Minimax Problems. Journal of Optimization Theory and Applications, 2014, 160, 158-188.	1.5	7
41	A feasible SQP-GS algorithm for nonconvex, nonsmooth constrained optimization. Numerical Algorithms, 2014, 65, 1-22.	1.9	19
42	A model-hybrid approach for unconstrained optimization problems. Numerical Algorithms, 2014, 66, 741-759.	1.9	4
43	Superlinearly Convergent Norm-Relaxed SQP Method Based on Active Set Identification and New Line Search for Constrained Minimax Problems. Journal of Optimization Theory and Applications, 2014, 163, 859-883.	1.5	6
44	A nonmonotonic hybrid algorithm for min-max problem. Optimization and Engineering, 2014, 15, 909-925.	2.4	1
45	An Îµ-generalized gradient projection method for nonlinear minimax problems. Nonlinear Dynamics, 2014, 75, 693-700.	5.2	3
46	Two modified nonlinear conjugate gradient methods with disturbance factors for unconstrained optimization. Nonlinear Dynamics, 2014, 77, 387-397.	5.2	9
47	Outer Approximation and Outer-Inner Approximation Approaches for Unit Commitment Problem. IEEE Transactions on Power Systems, 2014, 29, 505-513.	6.5	35
48	A nonlinear norm-relaxed method for finely discretized semi-infinite optimization problems. Nonlinear Dynamics, 2013, 73, 85-92.	5.2	5
49	A sufficient descent Daiâ€"Yuan type nonlinear conjugate gradient method for unconstrained optimization problems. Nonlinear Dynamics, 2013, 72, 101-112.	5.2	21
50	A simply sequential quadratically constrained quadratic programming method of strongly sub-feasible directions for constrained optimization. Optimization, 2013, 62, 463-482.	1.7	3
51	Global Optimization of Non-Convex Hydro-Thermal Coordination Based on Semidefinite Programming. IEEE Transactions on Power Systems, 2013, 28, 3720-3728.	6.5	25
52	Second-order duality for non-differentiable minimax fractional programming. International Journal of Computer Mathematics, 2012, 89, 11-16.	1.8	9
53	Strongly sub-feasible direction method for constrained optimization problems with nonsmooth objective functions. European Journal of Operational Research, 2012, 218, 28-37.	5.7	6
54	A norm-relaxed SQP method of strongly sub-feasible direction for finely discretized problems from semi-infinite programming. , 2011, , .		0

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55	On second order duality for minimax fractional programming. Nonlinear Analysis: Real World Applications, 2011, 12, 3509-3514.	1.7	12
56	Inverse problems and solution methods for a class ofÂnonlinear complementarity problems. Computational Optimization and Applications, 2011, 49, 271-297.	1.6	6
57	Two new predictor-corrector algorithms for second-order cone programming. Applied Mathematics and Mechanics (English Edition), 2011, 32, 521-532.	3.6	3
58	A new É›-generalized projection method of strongly sub-feasible directions for inequality constrained optimization. Journal of Systems Science and Complexity, 2011, 24, 604-618.	2.8	2
59	An improved strongly sub-feasible SSLE method for optimization problems and numerical experiments. Applied Mathematics and Computation, 2011, 217, 7226-7237.	2.2	2
60	On the accurate identification of active set for constrained minimax problems. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3022-3032.	1.1	10
61	Some properties of semi--preinvex maps in Banach spaces. Nonlinear Analysis: Real World Applications, 2011, 12, 1243-1249.	1.7	11
62	A superlinearly convergent method of quasi-strongly sub-feasible directions with active set identifying for constrained optimization. Nonlinear Analysis: Real World Applications, 2011, 12, 2717-2729.	1.7	10
63	A new norm-relaxed SQP algorithm with global convergence. Applied Mathematics Letters, 2010, 23, 670-675.	2.7	5
64	A sequential quadratically constrained quadratic programming method for unconstrained minimax problems. Journal of Mathematical Analysis and Applications, 2010, 362, 34-45.	1.0	10
65	A new feasible descent primalâ€"dual interior point algorithm for nonlinear inequality constrained optimization. Applied Mathematical Modelling, 2010, 34, 1952-1963.	4.2	1
66	Sequential quadratically constrained quadratic programming norm-relaxed algorithm of strongly sub-feasible directions. European Journal of Operational Research, 2010, 200, 645-657.	5.7	18
67	An SQP algorithm for mathematical programs with nonlinear complementarity constraints. Applied Mathematics and Mechanics (English Edition), 2009, 30, 659-668.	3.6	3
68	A feasible QP-free algorithm combining the interior-point method with active set for constrained optimization. Computers and Mathematics With Applications, 2009, 58, 1520-1533.	2.7	6
69	An efficient feasible SQP algorithm for inequality constrained optimization. Nonlinear Analysis: Real World Applications, 2009, 10, 1220-1228.	1.7	15
70	An improved SQP algorithm for solving minimax problems. Applied Mathematics Letters, 2009, 22, 464-469.	2.7	35
71	A method combining norm-relaxed QP subproblems with systems of linear equations for constrained optimization. Journal of Computational and Applied Mathematics, 2009, 223, 1013-1027.	2.0	10
72	A superlinearly convergent strongly sub-feasible SSLE-type algorithm with working set for nonlinearly constrained optimization. Journal of Computational and Applied Mathematics, 2009, 225, 172-186.	2.0	7

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73	Generalized monotone line search SQP algorithm for constrained minimax problems. Optimization, 2009, 58, 101-131.	1.7	12
74	A sequential quadratically constrained quadratic programming method with an augmented Lagrangian line search function. Journal of Computational and Applied Mathematics, 2008, 220, 525-547.	2.0	10
75	A New Superlinearly Convergent Strongly Subfeasible Sequential Quadratic Programming Algorithm for Inequality-Constrained Optimization. Numerical Functional Analysis and Optimization, 2008, 29, 376-409.	1.4	15
76	Semilocal E-convexity and semilocal E-convex programming. Bulletin of the Australian Mathematical Society, 2007, 75, 59-74.	0.5	6
77	A generalized super-memory gradient projection method of strongly sub-feasible directions with strong convergence for nonlinear inequality constrained optimization. Computers and Mathematics With Applications, 2007, 54, 507-524.	2.7	4
78	A new finitely convergent algorithm for systems of nonlinear inequalities. Applied Mathematics Letters, 2007, 20, 405-411.	2.7	7
79	Finitely convergent Îμ-generalized projection algorithm for nonlinear systems. Journal of Mathematical Analysis and Applications, 2007, 332, 1446-1459.	1.0	2
80	A Sequential Quadratically Constrained Quadratic Programming Method of Feasible Directions. Applied Mathematics and Optimization, 2007, 56, 343-363.	1.6	9
81	A New Superlinearly Convergent SQP Algorithm for Nonlinear Minimax Problems. Acta Mathematicae Applicatae Sinica, 2007, 23, 395-410.	0.7	14
82	Generalised monotone line search algorithm for degenerate nonlinear minimax problems. Bulletin of the Australian Mathematical Society, 2006, 73, 117-127.	0.5	5
83	A new superlinearly convergent norm-relaxed method of strongly sub-feasible direction for inequality constrained optimization. Applied Mathematics and Computation, 2006, 182, 955-976.	2.2	24
84	A Strongly and Superlinearly Convergent SQP Algorithm for Optimization Problems with Linear Complementarity Constraints. Applied Mathematics and Optimization, 2006, 54, 17-46.	1.6	9
85	A feasible descent SQP algorithm for general constrained optimization without strict complementarity. Journal of Computational and Applied Mathematics, 2005, 180, 391-412.	2.0	20
86	A Superlinearly Convergent SSLE Algorithm for Optimization Problems with Linear Complementarity Constraints. Journal of Global Optimization, 2005, 33, 477-510.	1.8	6
87	A Superlinearly Convergent Implicit Smooth SQP Algorithm for Mathematical Programs with Nonlinear Complementarity Constraints. Computational Optimization and Applications, 2005, 31, 335-361.	1.6	14
88	Explicit and Implicit Continuation Algorithms for Strongly Monotone Variational Inequalities with Box Constraints. Journal of Global Optimization, 2004, 29, 83-25.	1.8	1
89	An improved SQP algorithm for inequality constrained optimization. Mathematical Methods of Operations Research, 2003, 58, 271-282.	1.0	14
90	A three-term conjugate gradient method with accelerated subspace quadratic optimization. Journal of Applied Mathematics and Computing, 0, , 1.	2.5	3

#	ARTICLE	IF	CITATIONS
91	A new restricted memory level bundle method for constrained convex nonsmooth optimization. Optimization Letters, 0, , 1.	1.6	0