Jose Mario Martinez

List of Publications by Year
in descending order

221 papers	13,643 citations	93792 39 h-index	27587 110 g-index
224 all docs	224 docs citations	224 times ranked	11288 citing authors

#	Article	IF	Citations
1	On high-order model regularization for multiobjective optimization. Optimization Methods and Software, 2022, 37, 175-191.	1.6	4
2	Accelerated derivative-free nonlinear least-squares applied to the estimation of Manning coefficients. Computational Optimization and Applications, 2022, 81, 689.	0.9	2
3	Inexact restoration for derivative-free expensive function minimization and applications. Journal of Computational and Applied Mathematics, 2022, 410, 114193.	1.1	3
4	On complexity and convergence of high-order coordinate descent algorithms for smooth nonconvex box-constrained minimization. Journal of Global Optimization, 2022, 84, 527-561.	1.1	1
5	Block coordinate descent for smooth nonconvex constrained minimization. Computational Optimization and Applications, 2022, 83, 1-27.	0.9	3
6	On constrained optimization with nonconvex regularization. Numerical Algorithms, 2021, 86, 1165-1188.	1.1	1
7	An alternating direction method of multipliers for the eigenvalue complementarity problem. Optimization Methods and Software, 2021, 36, 337-370.	1.6	3
8	On the solution of linearly constrained optimization problems by means of barrier algorithms. Top, 2021, 29, 417-441.	1.1	0
9	On the use of third-order models with fourth-order regularization for unconstrained optimization. Optimization Letters, 2020, 14, 815-838.	0.9	9
10	Large-scale unconstrained optimization using separable cubic modeling and matrix-free subspace minimization. Computational Optimization and Applications, 2020, 75, 169-205.	0.9	3
11	On the Complexity of an Inexact Restoration Method for Constrained Optimization. SIAM Journal on Optimization, 2020, 30, 80-101.	1.2	7
12	On the complexity of solving feasibility problems with regularized models. Optimization Methods and Software, 2020, , 1-20.	1.6	1
13	Flow Simulations with an Accelerated Version of the Spectral Difference Method. , 2020, , .		0
14	Complexity and performance of an Augmented Lagrangian algorithm. Optimization Methods and Software, 2020, 35, 885-920.	1.6	25
15	Iteration and evaluation complexity for the minimization of functions whose computation is intrinsically inexact. Mathematics of Computation, 2019, 89, 253-278.	1.1	9
16	A Newton-like method with mixed factorizations and cubic regularization for unconstrained minimization. Computational Optimization and Applications, 2019, 73, 707-753.	0.9	12
17	Fast convergence of an inexact interior point method for horizontal complementarity problems. Numerical Algorithms, 2018, 79, 1187-1210.	1.1	3
18	Strict Constraint Qualifications and Sequential Optimality Conditions for Constrained Optimization. Mathematics of Operations Research, 2018, 43, 693-717.	0.8	44

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19	Notes on Newton's Method After 1960. , 2018, , 203-218.		0
20	On the controlling of temperature: A proposal for a real-time controller in broiler houses. Scientia Agricola, 2018, 75, 445-451.	0.6	5
21	On Regularization and Active-set Methods with Complexity for Constrained Optimization. SIAM Journal on Optimization, 2018, 28, 1367-1395.	1.2	16
22	Under-relaxed quasi-Newton acceleration for an inverse fixed-point problem coming from Positron Emission Tomography. Journal of Inverse and Ill-Posed Problems, 2018, 26, 755-770.	0.5	2
23	On the computation of large-scale self-consistent-field iterations. Journal of Mathematical Chemistry, 2017, 55, 1158-1172.	0.7	1
24	The Use of Quadratic Regularization with a Cubic Descent Condition for Unconstrained Optimization. SIAM Journal on Optimization, 2017, 27, 1049-1074.	1.2	30
25	A nonlinear programming model with implicit variables for packing ellipsoids. Journal of Global Optimization, 2017, 68, 467-499.	1.1	16
26	A computer model for particle-like simulation in broiler houses. Computers and Electronics in Agriculture, 2017, 141, 1-14.	3.7	5
27	On the minimization of possibly discontinuous functions by means of pointwise approximations. Optimization Letters, 2017, 11, 1623-1637.	0.9	5
28	Worst-case evaluation complexity for unconstrained nonlinear optimization using high-order regularized models. Mathematical Programming, 2017, 163, 359-368.	1.6	84
29	Cubic-regularization counterpart of a variable-norm trust-region method for unconstrained minimization. Journal of Global Optimization, 2017, 68, 367-385.	1.1	37
30	On High-order Model Regularization for Constrained Optimization. SIAM Journal on Optimization, 2017, 27, 2447-2458.	1.2	32
31	On the employment of inexact restoration for the minimization of functions whose evaluation is subject to errors. Mathematics of Computation, 2017, 87, 1307-1326.	1.1	14
32	CeMEAI: The Brazilian Center and Its Mathematics Research for Industry. Notices of the American Mathematical Society, 2017, 64, 450-454.	0.1	0
33	Sequential equality-constrained optimization for nonlinear programming. Computational Optimization and Applications, 2016, 65, 699-721.	0.9	10
34	Evaluation Complexity for Nonlinear Constrained Optimization Using Unscaled KKT Conditions and High-Order Models. SIAM Journal on Optimization, 2016, 26, 951-967.	1.2	26
35	Preface to the Special Issue on Many Faces of Distances. International Transactions in Operational Research, 2016, 23, 841-841.	1.8	4
36	A Cone-Continuity Constraint Qualification and Algorithmic Consequences. SIAM Journal on Optimization, 2016, 26, 96-110.	1.2	61

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37	Packing ellipsoids by nonlinear optimization. Journal of Global Optimization, 2016, 65, 709-743.	1.1	33
38	On the application of an augmented Lagrangian algorithm to some portfolio problems. EURO Journal on Computational Optimization, 2016, 4, 79-92.	1.5	5
39	Newton's method may fail to recognize proximity to optimal points in constrained optimization. Mathematical Programming, 2016, 160, 547-555.	1.6	10
40	Feasibility problems with complementarity constraints. European Journal of Operational Research, 2016, 249, 41-54.	3.5	6
41	An inexact restoration approach to optimization problems with multiobjective constraints under weighted-sum scalarization. Optimization Letters, 2016, 10, 1315-1325.	0.9	14
42	Inexact Restoration approach for minimization with inexact evaluation of the objective function. Mathematics of Computation, 2015, 85, 1775-1791.	1.1	16
43	Optimality properties of an Augmented Lagrangian method on infeasible problems. Computational Optimization and Applications, 2015, 60, 609-631.	0.9	12
44	Assessing the reliability of general-purpose Inexact Restoration methods. Journal of Computational and Applied Mathematics, 2015, 282, 1-16.	1.1	14
45	Comments on: Critical Lagrange multipliers: what we currently know about them, how they spoil our lives, and what we can do about it. Top, 2015, 23, 32-34.	1.1	1
46	Separable cubic modeling and a trust-region strategy for unconstrained minimization with impact in global optimization. Journal of Global Optimization, 2015, 63, 319-342.	1.1	7
47	On optimization strategies for parameter estimation in models governed by partial differential equations. Mathematics and Computers in Simulation, 2015, 114, 14-24.	2.4	5
48	A Flexible Inexact-Restoration Method for Constrained Optimization. Journal of Optimization Theory and Applications, 2015, 165, 188-208.	0.8	9
49	Augmented Lagrangians with possible infeasibility and finite termination for global nonlinear programming. Journal of Global Optimization, 2014, 58, 207-242.	1.1	11
50	On the behaviour of constrained optimization methods when Lagrange multipliers do not exist. Optimization Methods and Software, 2014, 29, 646-657.	1.6	8
51	Spectral Projected Gradient Methods: Review and Perspectives. Journal of Statistical Software, 2014, 60, .	1.8	103
52	FOREWORD SPECIAL ISSUE DEDICATED TO SELECTED SURVEYS IN NONLINEAR PROGRAMMING. Pesquisa Operacional, 2014, 34, 371-372.	0.1	0
53	Constrained derivative-free optimization on thin domains. Journal of Global Optimization, 2013, 56, 1217-1232.	1.1	19
54	Inexact Restoration Method for Derivative-Free Optimization with Smooth Constraints. SIAM Journal on Optimization, 2013, 23, 1189-1213.	1.2	35

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55	Sparse Projected-Gradient Method As a Linear-Scaling Low-Memory Alternative to Diagonalization in Self-Consistent Field Electronic Structure Calculations. Journal of Chemical Theory and Computation, 2013, 9, 1043-1051.	2.3	11
56	Packing circles within ellipses. International Transactions in Operational Research, 2013, 20, 365-389.	1.8	25
57	Solving Molecular Distance Geometry Problems Using a Continuous Optimization Approach. , 2013, , 213-224.		2
58	The boundedness of penalty parameters in an augmented Lagrangian method with constrained subproblems. Optimization Methods and Software, 2012, 27, 1001-1024.	1.6	24
59	Handling infeasibility in a large-scale nonlinear optimization algorithm. Numerical Algorithms, 2012, 60, 263-277.	1.1	11
60	Generalized order-value optimization. Top, 2012, 20, 75-98.	1.1	6
61	Comments on: Algorithms for linear programming with linear complementarity constraints. Top, 2012, 20, 30-32.	1.1	0
62	Special issue on nonlinear and global optimization, dedicated to Professor Joaquim João Júdice on the occasion of his sixtieth anniversary. Top, 2012, 20, 1-3.	1.1	0
63	Low Order-Value Multiple Fitting for supercritical fluid extraction models. Computers and Chemical Engineering, 2012, 40, 148-156.	2.0	3
64	Augmented Lagrangian method with nonmonotone penalty parameters for constrained optimization. Computational Optimization and Applications, 2012, 51, 941-965.	0.9	41
65	On sequential optimality conditions for smooth constrained optimization. Optimization, 2011, 60, 627-641.	1.0	123
66	Low order-value approach for solving VaR-constrained optimization problems. Journal of Global Optimization, 2011, 51, 715-742.	1.1	9
67	Outer Trust-Region Method for Constrained Optimization. Journal of Optimization Theory and Applications, 2011, 150, 142-155.	0.8	10
68	Inexact restoration method for minimization problems arising in electronic structure calculations. Computational Optimization and Applications, 2011, 50, 555-590.	0.9	14
69	A projected–gradient interior–point algorithm for complementarity problems. Numerical Algorithms, 2011, 57, 457-485.	1.1	7
70	On the natural merit function for solving complementarity problems. Mathematical Programming, 2011, 130, 211-223.	1.6	5
71	On sequential optimality conditions for smooth constrained optimization. Optimization, 2011, 60, 1119-1119.	1.0	0
72	Global minimization using an Augmented Lagrangian method with variable lower-level constraints. Mathematical Programming, 2010, 125, 139-162.	1.6	95

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73	Second-order negative-curvature methods forÂbox-constrained and general constrained optimization. Computational Optimization and Applications, 2010, 45, 209-236.	0.9	32
74	Addressing the greediness phenomenon in Nonlinear Programming by means of Proximal Augmented Lagrangians. Computational Optimization and Applications, 2010, 46, 229-245.	0.9	8
75	Partial spectral projected gradient method with active-set strategy for linearly constrained optimization. Numerical Algorithms, 2010, 53, 23-52.	1.1	11
76	A New Sequential Optimality Condition for Constrained Optimization and Algorithmic Consequences. SIAM Journal on Optimization, 2010, 20, 3533-3554.	1.2	70
77	Spectral Projected Gradient Method with Inexact Restoration for Minimization with Nonconvex Constraints. SIAM Journal of Scientific Computing, 2009, 31, 1628-1652.	1.3	24
78	P<scp>ACKMOL</scp>: A package for building initial configurations for molecular dynamics simulations. Journal of Computational Chemistry, 2009, 30, 2157-2164.	1.5	5,831
79	Low Order-Value Optimization and applications. Journal of Global Optimization, 2009, 43, 1-22.	1.1	16
80	Structured minimal-memory inexact quasi-Newton method and secant preconditioners for augmented Lagrangian optimization. Computational Optimization and Applications, 2008, 39, 1-16.	0.9	27
81	Quasi-Newton acceleration for equality-constrained minimization. Computational Optimization and Applications, 2008, 40, 373-388.	0.9	1
82	Fitting the SovovÃ¡â€™s supercritical fluid extraction model by means of a global optimization tool. Computers and Chemical Engineering, 2008, 32, 1735-1745.	2.0	27
83	A derivative-free nonmonotone line-search technique for unconstrained optimization. Journal of Computational and Applied Mathematics, 2008, 219, 383-397.	1.1	28
84	Estimation of the thickness and the optical parameters of several stacked thin films using optimization. Applied Optics, 2008, 47, 5208.	2.1	13
85	On Augmented Lagrangian Methods with General Lower-Level Constraints. SIAM Journal on Optimization, 2008, 18, 1286-1309.	1.2	280
86	Improving ultimate convergence of an augmented Lagrangian method. Optimization Methods and Software, 2008, 23, 177-195.	1.6	108
87	Trust-region superposition methods for protein alignment. IMA Journal of Numerical Analysis, 2008, 28, 690-710.	1.5	4
88	Continuous dynamic assimilation of the inner region data in hydrodynamics modelling: optimization approach. Nonlinear Processes in Geophysics, 2008, 15, 815-829.	0.6	1
89	Practical Augmented Lagrangian Methods. , 2008, , 3013-3023.		5
90	Spectral Projected Gradient Methods. , 2008, , 3652-3659.		14

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91	On second-order optimality conditions for nonlinear programming. Optimization, 2007, 56, 529-542.	1.0	36
92	Convergent algorithms for protein structural alignment. BMC Bioinformatics, 2007, 8, 306.	1.2	72
93	Euler Discretization and Inexact Restoration for Optimal Control. Journal of Optimization Theory and Applications, 2007, 134, 191-206.	0.8	37
94	Augmented Lagrangian methods under the constant positive linear dependence constraint qualification. Mathematical Programming, 2007, 111, 5-32.	1.6	120
95	Continuous optimization methods for structure alignments. Mathematical Programming, 2007, 112, 93-124.	1.6	13
96	Method of sentinels for packing items within arbitrary convex regions. Journal of the Operational Research Society, 2006, 57, 735-746.	2.1	19
97	Density-based Globally Convergent Trust-region Methods for Self-consistent Field Electronic Structure Calculations. Journal of Mathematical Chemistry, 2006, 40, 349-377.	0.7	20
98	Orthogonal packing of rectangular items within arbitrary convex regions by nonlinear optimization. Computers and Operations Research, 2006, 33, 3535-3548.	2.4	40
99	Spectral residual method without gradient information for solving large-scale nonlinear systems of equations. Mathematics of Computation, 2006, 75, 1429-1449.	1.1	216
100	Global Order-Value Optimization by means of a Multistart Harmonic Oscillator Tunneling Strategy. , 2006, , 379-404.		3
101	An interior-point method for solving box-constrained underdetermined nonlinear systems. Journal of Computational and Applied Mathematics, 2005, 177, 67-88.	1.1	15
102	Optimizing the packing of cylinders into a rectangular container: A nonlinear approach. European Journal of Operational Research, 2005, 160, 19-33.	3.5	109
103	A note on the theoretical convergence properties of the SIMP method. Structural and Multidisciplinary Optimization, 2005, 29, 319-323.	1.7	33
104	Nonlinear-programming reformulation of the order-value optimization problem. Mathematical Methods of Operations Research, 2005, 61, 365-384.	0.4	11
105	On the Relation between Constant Positive Linear Dependence Condition and Quasinormality Constraint Qualification. Journal of Optimization Theory and Applications, 2005, 125, 473-483.	0.8	106
106	Spectral Gradient Methods for Linearly Constrained Optimization. Journal of Optimization Theory and Applications, 2005, 125, 629-651.	0.8	13
107	Local Convergence of an Inexact-Restoration Method and Numerical Experiments. Journal of Optimization Theory and Applications, 2005, 127, 229-247.	0.8	34
108	Numerical Comparison of Augmented Lagrangian Algorithms for Nonconvex Problems. Computational Optimization and Applications, 2005, 31, 31-55.	0.9	95

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109	Inexact Restoration Methods for Nonlinear Programming: Advances and Perspectives. , 2005, , 271-291.		23
110	Spectral projected gradient and variable metric methods for optimization with linear inequalities. IMA Journal of Numerical Analysis, 2005, 25, 221-252.	1.5	16
111	Practical active-set Euclidian trust-region method with spectral projected gradients for bound-constrained minimization. Optimization, 2005, 54, 305-325.	1.0	27
112	Optimization techniques for the estimation of the thickness and the optical parameters of thin films using reflectance data. Journal of Applied Physics, 2005, 97, 043512.	1.1	36
113	Augmented Lagrangian Algorithms Based on the Spectral Projected Gradient Method for Solving Nonlinear Programming Problems. Journal of Optimization Theory and Applications, 2004, 123, 497-517.	0.8	24
114	Globally convergent trust-region methods for self-consistent field electronic structure calculations. Journal of Chemical Physics, 2004, 121, 10863.	1.2	36
115	Globally Convergent Inexact Quasi-Newton Methods for Solving Nonlinear Systems. Numerical Algorithms, 2003, 32, 249-260.	1.1	43
116	A Practical Optimality Condition Without Constraint Qualifications for Nonlinear Programming. Journal of Optimization Theory and Applications, 2003, 118, 117-133.	0.8	52
117	Order-Value Optimization: Formulation and solution by means of a primal cauchy method. Mathematical Methods of Operations Research, 2003, 58, 387-399.	0.4	9
118	Packing optimization for automated generation of complex system's initial configurations for molecular dynamics and docking. Journal of Computational Chemistry, 2003, 24, 819-825.	1.5	556
119	An increasing-angle property of the conjugate gradient method and the implementation of large-scale minimization algorithms with line searches. Numerical Linear Algebra With Applications, 2003, 10, 323-334.	0.9	1
120	Estimation of optical parameters of very thin films. Applied Numerical Mathematics, 2003, 47, 109-119.	1.2	13
121	Optimization problems in the estimation of parameters of thin films and the elimination of the influence of the substrate. Journal of Computational and Applied Mathematics, 2003, 152, 35-50.	1.1	16
122	Minimization subproblems and heuristics for an applied clustering problem. European Journal of Operational Research, 2003, 146, 19-34.	3.5	12
123	Inexact spectral projected gradient methods on convex sets. IMA Journal of Numerical Analysis, 2003, 23, 539-559.	1.5	136
124	Discrete Newton's method with local variations for solving large-scale nonlinear systems. Optimization, 2003, 52, 417-440.	1.0	6
125	Solution Of Bounded Nonlinear Systems Of Equations Using Homotopies With Inexact Restoration. International Journal of Computer Mathematics, 2003, 80, 211-222.	1.0	1
126	Optical constants and thickness determination of very thin amorphous semiconductor films. Journal of Applied Physics, 2002, 92, 3093-3102.	1.1	58

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127	Minimization of Discontinuous Cost Functions by Smoothing. Acta Applicandae Mathematicae, 2002, 71, 245-260.	0.5	8
128	Large-Scale Active-Set Box-Constrained Optimization Method with Spectral Projected Gradients. Computational Optimization and Applications, 2002, 23, 101-125.	0.9	154
129	A Limited-Memory Multipoint Symmetric Secant Method for Bound Constrained Optimization. Annals of Operations Research, 2002, 117, 51-70.	2.6	27
130	A Box-Constrained Optimization Algorithm with Negative Curvature Directions and Spectral Projected Gradients. Computing Supplementum, 2001, , 49-60.	0.1	19
131	On the solution of bounded and unbounded mixed complementarity problems. Optimization, 2001, 50, 265-278.	1.0	10
132	On the solution of mathematical programming problems with equilibrium constraints. Mathematical Methods of Operations Research, 2001, 54, 345-358.	0.4	24
133	A Spectral Conjugate Gradient Method for Unconstrained Optimization. Applied Mathematics and Optimization, 2001, 43, 117-128.	0.8	251
134	Inexact-Restoration Method with Lagrangian Tangent Decrease and New Merit Function for Nonlinear Programming. Journal of Optimization Theory and Applications, 2001, 111, 39-58.	0.8	72
135	Nonmonotone Strategy for Minimization of Quadratics with Simple Constraints. Applications of Mathematics, 2001, 46, 321-338.	0.9	9
136	Algorithm 813. ACM Transactions on Mathematical Software, 2001, 27, 340-349.	1.6	212
137	On the regularization of mixed complementarity problems. Numerical Functional Analysis and Optimization, 2000, 21, 589-600.	0.6	1
138	A globally convergent inexact-Newton method for solving reducible nonlinear systems of equations. Optimization Methods and Software, 2000, 13, 11-34.	1.6	8
139	Incomplete decomposition algorithms for discrete dynamic nonlinear models. Nonlinear Analysis: Theory, Methods & Applications, 2000, 42, 663-672.	0.6	0
140	Practical quasi-Newton methods for solving nonlinear systems. Journal of Computational and Applied Mathematics, 2000, 124, 97-121.	1.1	163
141	Inexact-Restoration Algorithm for Constrained Optimization1. Journal of Optimization Theory and Applications, 2000, 104, 135-163.	0.8	88
142	Title is missing!. Computational Optimization and Applications, 2000, 16, 247-263.	0.9	38
143	Reformulation of Variational Inequalities on a Simplex and Compactification of Complementarity Problems. SIAM Journal on Optimization, 2000, 10, 878-895.	1.2	13
144	Nonmonotone Spectral Projected Gradient Methods on Convex Sets. SIAM Journal on Optimization, 2000, 10, 1196-1211.	1.2	775

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145	Determination of thickness and optical constants of amorphous silicon films from transmittance data. Applied Physics Letters, 2000, 77, 2133-2135.	1.5	85
146	Inexact-Newton methods for semismooth systems of equations with block-angular structure. Journal of Computational and Applied Mathematics, 1999, 103, 239-249.	1.1	8
147	The reformulation of nonlinear complementarity problems using the Fischer-burmeister function. Applied Mathematics Letters, 1999, 12, 7-12.	1.5	10
148	On the local convergence of quasi-Newton methods for nonlinear complementarity problems. Applied Numerical Mathematics, 1999, 30, 3-22.	1.2	11
149	Nonlinear programming algorithms using trust regions and augmented Lagrangians with nonmonotone penalty parameters. Mathematical Programming, 1999, 84, 161-200.	1.6	46
150	Estimation of the Optical Constants and the Thickness of Thin Films Using Unconstrained Optimization. Journal of Computational Physics, 1999, 151, 862-880.	1.9	238
151	A Direct Search Method for Nonlinear Programming. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1999, 79, 267-276.	0.9	1
152	Two-Phase Model Algorithm with Global Convergence for Nonlinear Programming. Journal of Optimization Theory and Applications, 1998, 96, 397-436.	0.8	21
153	New Theoretical Results on Recursive Quadratic Programming Algorithms. Journal of Optimization Theory and Applications, 1998, 97, 435-454.	0.8	6
154	Optical constants of thin films by means of a pointwise constrained optimization approach. Thin Solid Films, 1998, 317, 133-136.	0.8	19
155	On the solution of the extended linear complementarity problem. Linear Algebra and Its Applications, 1998, 281, 247-257.	0.4	13
156	Gradient Method with Retards and Generalizations. SIAM Journal on Numerical Analysis, 1998, 36, 275-289.	1.1	121
157	Augmented lagrangians and sphere packing problems. International Journal of Computer Mathematics, 1998, 70, 75-86.	1.0	1
158	Solving Complementarity Problems by Means of a New Smooth Constrained Nonlinear Solver. Applied Optimization, 1998, , 1-24.	0.4	5
159	Solving nonlinear systems of equations by means of quasi-neston methods with a nonmonotone stratgy*. Optimization Methods and Software, 1997, 8, 25-51.	1.6	40
160	On the global convergence. Numerical Functional Analysis and Optimization, 1997, 18, 959-969.	0.6	0
161	A minimax method with application to the initial vector coding problem*. International Journal of Computer Mathematics, 1997, 64, 273-284.	1.0	0
162	Retrieval of optical constants and thickness of thin films from transmission spectra. Applied Optics, 1997, 36, 8238.	2.1	70

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163	Solution of Finite-Dimensional Variational Inequalities Using Smooth Optimization with Simple Bounds. Journal of Optimization Theory and Applications, 1997, 94, 635-657.	0.8	22
164	A trust region method for minimization of nonsmooth functions with linear constraints. Mathematical Programming, 1997, 76, 431-449.	1.6	15
165	Quasi-inexact-Newton methods with global convergence for solving constrained nonlinear systems. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 1-7.	0.6	11
166	A Trust-Region SLCP Model Algorithm for Nonlinear Programming. , 1997, , 246-255.		2
167	New convergence results on an algorithm for norm constrained regularization and related problems. RAIRO - Operations Research, 1997, 31, 269-294.	1.0	6
168	Successive Projection Methods for the Solution of Overdetermined Nonlinear Systems. , 1996, , 75-84.		1
169	Quasi-Newton methods with derivatives. Calcolo, 1995, 32, 107-135.	0.6	0
170	A trust-region strategy for minimization on arbitrary domains. Mathematical Programming, 1995, 68, 267-301.	1.6	40
171	Solution of linear complementarity problems using minimization with simple bounds. Journal of Global Optimization, 1995, 6, 253-267.	1.1	27
172	An extension of the theory of secant preconditioners. Journal of Computational and Applied Mathematics, 1995, 60, 115-125.	1.1	8
173	Inexact Newton methods for solving nonsmooth equations. Journal of Computational and Applied Mathematics, 1995, 60, 127-145.	1.1	101
174	Convergence properties of the inverse column-updating method. Optimization Methods and Software, 1995, 6, 127-144.	1.6	10
175	Discrimination by means of a trust region method. International Journal of Computer Mathematics, 1995, 55, 91-103.	1.0	1
176	A new method for large-scale box constrained convex quadratic minimization problems. Optimization Methods and Software, 1995, 5, 57-74.	1.6	59
177	On the convergence of quasi-newton methods for nonsmooth problems. Numerical Functional Analysis and Optimization, 1995, 16, 1193-1209.	0.6	4
178	A new strategy for solving variational inequalities in bounded polytopesâˆ—. Numerical Functional Analysis and Optimization, 1995, 16, 653-668.	0.6	23
179	Solving Nonsmooth Equations by Means of Quasi-Newton Methods with Globalization. , 1995, , 121-140.		14
180	SOR-Secant Methods. SIAM Journal on Numerical Analysis, 1994, 31, 217-226.	1.1	9

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181	A new trust region algorithm for bound constrained minimization. Applied Mathematics and Optimization, 1994, 30, 235-266.	0.8	109
182	Local Minimizers of Quadratic Functions on Euclidean Balls and Spheres. SIAM Journal on Optimization, 1994, 4, 159-176.	1.2	101
183	On the Maximization of a Concave Quadratic Function with Box Constraints. SIAM Journal on Optimization, 1994, 4, 177-192.	1.2	72
184	On the Resolution of Linearly Constrained Convex Minimization Problems. SIAM Journal on Optimization, 1994, 4, 331-339.	1.2	26
185	Triangular Decomposition Methods for Solving Reducible Nonlinear Systems of Equations. SIAM Journal on Optimization, 1994, 4, 358-382.	1.2	12
186	Algorithms for Solving Nonlinear Systems of Equations. , 1994, , 81-108.		16
187	A parallel projection method for overdetermined nonlinear systems of equations. Numerical Algorithms, 1993, 4, 241-262.	1.1	8
188	Least change update methods for nonlinear systems with nondifferentiable termsâˆ—. Numerical Functional Analysis and Optimization, 1993, 14, 405-415.	0.6	13
189	A Theory of Secant Preconditioners. Mathematics of Computation, 1993, 60, 681.	1.1	10
190	On the Relation between Two Local Convergence Theories of Least-Change Secant Update Methods. Mathematics of Computation, 1992, 59, 457.	1.1	13
191	An inverse column-updating method for solving largeâ€"scale nonlinear systems of equations. Optimization Methods and Software, 1992, 1, 129-140.	1.6	24
192	Fixed-Point Quasi-Newton Methods. SIAM Journal on Numerical Analysis, 1992, 29, 1413-1434.	1.1	13
193	Comparing Algorithms for Solving Sparse Nonlinear Systems of Equations. SIAM Journal on Scientific and Statistical Computing, 1992, 13, 459-483.	1.5	63
194	Parallel implementations of Broyden's method. Computing (Vienna/New York), 1992, 47, 361-366.	3.2	0
195	The column-updating method for solving nonlinear equations in Hilbert space. ESAIM: Mathematical Modelling and Numerical Analysis, 1992, 26, 309-330.	0.8	13
196	New algorithms for maximization of concave functions with box constraints. RAIRO - Operations Research, 1992, 26, 209-236.	1.0	2
197	A Curvilinear Search Using Tridiagonal Secant Updates for Unconstrained Optimization. SIAM Journal on Optimization, 1991, 1, 333-357.	1.2	9
198	A Numerically stable reduced-gradient type algorithm for solving large-scale linearly constrained minimization problems. Computers and Operations Research, 1991, 18, 17-31.	2.4	4

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199	Quasi-Newton methods for solving underdetermined nonlinear simultaneous equations. Journal of Computational and Applied Mathematics, 1991, 34, 171-190.	1.1	23
200	An algorithm for solving nonlinear least-squares problems with a new curvilinear search. Computing (Vienna/New York), 1990, 44, 83-90.	3.2	4
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