

Jose Mario Martinez

List of Publications by Year in descending order

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221
papers

13,643
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citing authors

#	ARTICLE	IF	CITATIONS
1	P<scp>ACKMOL</scp>: A package for building initial configurations for molecular dynamics simulations. <i>Journal of Computational Chemistry</i> , 2009, 30, 2157-2164.	3.3	5,831
2	Nonmonotone Spectral Projected Gradient Methods on Convex Sets. <i>SIAM Journal on Optimization</i> , 2000, 10, 1196-1211.	2.0	775
3	Packing optimization for automated generation of complex system's initial configurations for molecular dynamics and docking. <i>Journal of Computational Chemistry</i> , 2003, 24, 819-825.	3.3	556
4	On Augmented Lagrangian Methods with General Lower-Level Constraints. <i>SIAM Journal on Optimization</i> , 2008, 18, 1286-1309.	2.0	280
5	A Spectral Conjugate Gradient Method for Unconstrained Optimization. <i>Applied Mathematics and Optimization</i> , 2001, 43, 117-128.	1.6	251
6	Estimation of the Optical Constants and the Thickness of Thin Films Using Unconstrained Optimization. <i>Journal of Computational Physics</i> , 1999, 151, 862-880.	3.8	238
7	Spectral residual method without gradient information for solving large-scale nonlinear systems of equations. <i>Mathematics of Computation</i> , 2006, 75, 1429-1449.	2.1	216
8	Algorithm 813. <i>ACM Transactions on Mathematical Software</i> , 2001, 27, 340-349.	2.9	212
9	Practical quasi-Newton methods for solving nonlinear systems. <i>Journal of Computational and Applied Mathematics</i> , 2000, 124, 97-121.	2.0	163
10	Large-Scale Active-Set Box-Constrained Optimization Method with Spectral Projected Gradients. <i>Computational Optimization and Applications</i> , 2002, 23, 101-125.	1.6	154
11	Inexact spectral projected gradient methods on convex sets. <i>IMA Journal of Numerical Analysis</i> , 2003, 23, 539-559.	2.9	136
12	On sequential optimality conditions for smooth constrained optimization. <i>Optimization</i> , 2011, 60, 627-641.	1.7	123
13	Gradient Method with Retards and Generalizations. <i>SIAM Journal on Numerical Analysis</i> , 1998, 36, 275-289.	2.3	121
14	Augmented Lagrangian methods under the constant positive linear dependence constraint qualification. <i>Mathematical Programming</i> , 2007, 111, 5-32.	2.4	120
15	A new trust region algorithm for bound constrained minimization. <i>Applied Mathematics and Optimization</i> , 1994, 30, 235-266.	1.6	109
16	Optimizing the packing of cylinders into a rectangular container: A nonlinear approach. <i>European Journal of Operational Research</i> , 2005, 160, 19-33.	5.7	109
17	Improving ultimate convergence of an augmented Lagrangian method. <i>Optimization Methods and Software</i> , 2008, 23, 177-195.	2.4	108
18	On the Relation between Constant Positive Linear Dependence Condition and Quasinormality Constraint Qualification. <i>Journal of Optimization Theory and Applications</i> , 2005, 125, 473-483.	1.5	106

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19	Spectral Projected Gradient Methods: Review and Perspectives. Journal of Statistical Software, 2014, 60, .	3.7	103
20	Local Minimizers of Quadratic Functions on Euclidean Balls and Spheres. SIAM Journal on Optimization, 1994, 4, 159-176.	2.0	101
21	Inexact Newton methods for solving nonsmooth equations. Journal of Computational and Applied Mathematics, 1995, 60, 127-145.	2.0	101
22	Numerical Comparison of Augmented Lagrangian Algorithms for Nonconvex Problems. Computational Optimization and Applications, 2005, 31, 31-55.	1.6	95
23	Global minimization using an Augmented Lagrangian method with variable lower-level constraints. Mathematical Programming, 2010, 125, 139-162.	2.4	95
24	Inexact-Restoration Algorithm for Constrained Optimization1. Journal of Optimization Theory and Applications, 2000, 104, 135-163.	1.5	88
25	Determination of thickness and optical constants of amorphous silicon films from transmittance data. Applied Physics Letters, 2000, 77, 2133-2135.	3.3	85
26	Worst-case evaluation complexity for unconstrained nonlinear optimization using high-order regularized models. Mathematical Programming, 2017, 163, 359-368.	2.4	84
27	On the Maximization of a Concave Quadratic Function with Box Constraints. SIAM Journal on Optimization, 1994, 4, 177-192.	2.0	72
28	Inexact-Restoration Method with Lagrangian Tangent Decrease and New Merit Function for Nonlinear Programming. Journal of Optimization Theory and Applications, 2001, 111, 39-58.	1.5	72
29	Convergent algorithms for protein structural alignment. BMC Bioinformatics, 2007, 8, 306.	2.6	72
30	Retrieval of optical constants and thickness of thin films from transmission spectra. Applied Optics, 1997, 36, 8238.	2.1	70
31	A New Sequential Optimality Condition for Constrained Optimization and Algorithmic Consequences. SIAM Journal on Optimization, 2010, 20, 3533-3554.	2.0	70
32	Comparing Algorithms for Solving Sparse Nonlinear Systems of Equations. SIAM Journal on Scientific and Statistical Computing, 1992, 13, 459-483.	1.5	63
33	A Cone-Continuity Constraint Qualification and Algorithmic Consequences. SIAM Journal on Optimization, 2016, 26, 96-110.	2.0	61
34	A new method for large-scale box constrained convex quadratic minimization problems. Optimization Methods and Software, 1995, 5, 57-74.	2.4	59
35	Optical constants and thickness determination of very thin amorphous semiconductor films. Journal of Applied Physics, 2002, 92, 3093-3102.	2.5	58
36	A Practical Optimality Condition Without Constraint Qualifications for Nonlinear Programming. Journal of Optimization Theory and Applications, 2003, 118, 117-133.	1.5	52

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37	Nonlinear programming algorithms using trust regions and augmented Lagrangians with nonmonotone penalty parameters. <i>Mathematical Programming</i> , 1999, 84, 161-200.	2.4	46
38	Strict Constraint Qualifications and Sequential Optimality Conditions for Constrained Optimization. <i>Mathematics of Operations Research</i> , 2018, 43, 693-717.	1.3	44
39	A Family of Quasi-Newton Methods for Nonlinear Equations with Direct Secant Updates of Matrix Factorizations. <i>SIAM Journal on Numerical Analysis</i> , 1990, 27, 1034-1049.	2.3	43
40	Globally Convergent Inexact Quasi-Newton Methods for Solving Nonlinear Systems. <i>Numerical Algorithms</i> , 2003, 32, 249-260.	1.9	43
41	Augmented Lagrangian method with nonmonotone penalty parameters for constrained optimization. <i>Computational Optimization and Applications</i> , 2012, 51, 941-965.	1.6	41
42	A trust-region strategy for minimization on arbitrary domains. <i>Mathematical Programming</i> , 1995, 68, 267-301.	2.4	40
43	Solving nonlinear systems of equations by means of quasi-Newton methods with a nonmonotone strategy. <i>Optimization Methods and Software</i> , 1997, 8, 25-51.	2.4	40
44	Orthogonal packing of rectangular items within arbitrary convex regions by nonlinear optimization. <i>Computers and Operations Research</i> , 2006, 33, 3535-3548.	4.0	40
45	A Quasi-Newton method with modification of one column per iteration. <i>Computing (Vienna/New York)</i> , 1984, 33, 353-362.	4.8	39
46	Title is missing!. <i>Computational Optimization and Applications</i> , 2000, 16, 247-263.	1.6	38
47	Euler Discretization and Inexact Restoration for Optimal Control. <i>Journal of Optimization Theory and Applications</i> , 2007, 134, 191-206.	1.5	37
48	Cubic-regularization counterpart of a variable-norm trust-region method for unconstrained minimization. <i>Journal of Global Optimization</i> , 2017, 68, 367-385.	1.8	37
49	Globally convergent trust-region methods for self-consistent field electronic structure calculations. <i>Journal of Chemical Physics</i> , 2004, 121, 10863.	3.0	36
50	Optimization techniques for the estimation of the thickness and the optical parameters of thin films using reflectance data. <i>Journal of Applied Physics</i> , 2005, 97, 043512.	2.5	36
51	On second-order optimality conditions for nonlinear programming. <i>Optimization</i> , 2007, 56, 529-542.	1.7	36
52	Inexact Restoration Method for Derivative-Free Optimization with Smooth Constraints. <i>SIAM Journal on Optimization</i> , 2013, 23, 1189-1213.	2.0	35
53	Local Convergence of an Inexact-Restoration Method and Numerical Experiments. <i>Journal of Optimization Theory and Applications</i> , 2005, 127, 229-247.	1.5	34
54	A note on the theoretical convergence properties of the SIMP method. <i>Structural and Multidisciplinary Optimization</i> , 2005, 29, 319-323.	3.5	33

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55	Packing ellipsoids by nonlinear optimization. <i>Journal of Global Optimization</i> , 2016, 65, 709-743.	1.8	33
56	Second-order negative-curvature methods for box-constrained and general constrained optimization. <i>Computational Optimization and Applications</i> , 2010, 45, 209-236.	1.6	32
57	On High-order Model Regularization for Constrained Optimization. <i>SIAM Journal on Optimization</i> , 2017, 27, 2447-2458.	2.0	32
58	The Use of Quadratic Regularization with a Cubic Descent Condition for Unconstrained Optimization. <i>SIAM Journal on Optimization</i> , 2017, 27, 1049-1074.	2.0	30
59	A derivative-free nonmonotone line-search technique for unconstrained optimization. <i>Journal of Computational and Applied Mathematics</i> , 2008, 219, 383-397.	2.0	28
60	Solution of linear complementarity problems using minimization with simple bounds. <i>Journal of Global Optimization</i> , 1995, 6, 253-267.	1.8	27
61	A Limited-Memory Multipoint Symmetric Secant Method for Bound Constrained Optimization. <i>Annals of Operations Research</i> , 2002, 117, 51-70.	4.1	27
62	Practical active-set Euclidian trust-region method with spectral projected gradients for bound-constrained minimization. <i>Optimization</i> , 2005, 54, 305-325.	1.7	27
63	Structured minimal-memory inexact quasi-Newton method and secant preconditioners for augmented Lagrangian optimization. <i>Computational Optimization and Applications</i> , 2008, 39, 1-16.	1.6	27
64	Fitting the Sovov's supercritical fluid extraction model by means of a global optimization tool. <i>Computers and Chemical Engineering</i> , 2008, 32, 1735-1745.	3.8	27
65	On the Resolution of Linearly Constrained Convex Minimization Problems. <i>SIAM Journal on Optimization</i> , 1994, 4, 331-339.	2.0	26
66	Evaluation Complexity for Nonlinear Constrained Optimization Using Unscaled KKT Conditions and High-Order Models. <i>SIAM Journal on Optimization</i> , 2016, 26, 951-967.	2.0	26
67	Packing circles within ellipses. <i>International Transactions in Operational Research</i> , 2013, 20, 365-389.	2.7	25
68	Complexity and performance of an Augmented Lagrangian algorithm. <i>Optimization Methods and Software</i> , 2020, 35, 885-920.	2.4	25
69	Local Convergence Theory of Inexact Newton Methods Based on Structured Least Change Updates. <i>Mathematics of Computation</i> , 1990, 55, 143.	2.1	24
70	An inverse column-updating method for solving large-scale nonlinear systems of equations. <i>Optimization Methods and Software</i> , 1992, 1, 129-140.	2.4	24
71	On the solution of mathematical programming problems with equilibrium constraints. <i>Mathematical Methods of Operations Research</i> , 2001, 54, 345-358.	1.0	24
72	Augmented Lagrangian Algorithms Based on the Spectral Projected Gradient Method for Solving Nonlinear Programming Problems. <i>Journal of Optimization Theory and Applications</i> , 2004, 123, 497-517.	1.5	24

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73	Spectral Projected Gradient Method with Inexact Restoration for Minimization with Nonconvex Constraints. <i>SIAM Journal of Scientific Computing</i> , 2009, 31, 1628-1652.	2.8	24
74	The boundedness of penalty parameters in an augmented Lagrangian method with constrained subproblems. <i>Optimization Methods and Software</i> , 2012, 27, 1001-1024.	2.4	24
75	Quasi-Newton methods for solving underdetermined nonlinear simultaneous equations. <i>Journal of Computational and Applied Mathematics</i> , 1991, 34, 171-190.	2.0	23
76	A new strategy for solving variational inequalities in bounded polytopes. <i>Numerical Functional Analysis and Optimization</i> , 1995, 16, 653-668.	1.4	23
77	Inexact Restoration Methods for Nonlinear Programming: Advances and Perspectives. , 2005, , 271-291.		23
78	Generalization of the Methods of Brent and Brown for Solving Nonlinear Simultaneous Equations. <i>SIAM Journal on Numerical Analysis</i> , 1979, 16, 434-448.	2.3	22
79	Solution of Finite-Dimensional Variational Inequalities Using Smooth Optimization with Simple Bounds. <i>Journal of Optimization Theory and Applications</i> , 1997, 94, 635-657.	1.5	22
80	Two-Phase Model Algorithm with Global Convergence for Nonlinear Programming. <i>Journal of Optimization Theory and Applications</i> , 1998, 96, 397-436.	1.5	21
81	Parallel and sequential Kaczmarz methods for solving underdetermined nonlinear equations. <i>Journal of Computational and Applied Mathematics</i> , 1986, 15, 311-321.	2.0	20
82	Density-based Globally Convergent Trust-region Methods for Self-consistent Field Electronic Structure Calculations. <i>Journal of Mathematical Chemistry</i> , 2006, 40, 349-377.	1.5	20
83	Optical constants of thin films by means of a pointwise constrained optimization approach. <i>Thin Solid Films</i> , 1998, 317, 133-136.	1.8	19
84	A Box-Constrained Optimization Algorithm with Negative Curvature Directions and Spectral Projected Gradients. <i>Computing Supplementum</i> , 2001, , 49-60.	0.1	19
85	Method of sentinels for packing items within arbitrary convex regions. <i>Journal of the Operational Research Society</i> , 2006, 57, 735-746.	3.4	19
86	Constrained derivative-free optimization on thin domains. <i>Journal of Global Optimization</i> , 2013, 56, 1217-1232.	1.8	19
87	Three new algorithms based on the sequential secant method. <i>BIT Numerical Mathematics</i> , 1979, 19, 236-243.	2.0	16
88	Solving nonlinear simultaneous equations with a generalization of Brent's method. <i>BIT Numerical Mathematics</i> , 1980, 20, 501-510.	2.0	16
89	Optimization problems in the estimation of parameters of thin films and the elimination of the influence of the substrate. <i>Journal of Computational and Applied Mathematics</i> , 2003, 152, 35-50.	2.0	16
90	Spectral projected gradient and variable metric methods for optimization with linear inequalities. <i>IMA Journal of Numerical Analysis</i> , 2005, 25, 221-252.	2.9	16

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91	Low Order-Value Optimization and applications. Journal of Global Optimization, 2009, 43, 1-22.	1.8	16
92	Inexact Restoration approach for minimization with inexact evaluation of the objective function. Mathematics of Computation, 2015, 85, 1775-1791.	2.1	16
93	A nonlinear programming model with implicit variables for packing ellipsoids. Journal of Global Optimization, 2017, 68, 467-499.	1.8	16
94	On Regularization and Active-set Methods with Complexity for Constrained Optimization. SIAM Journal on Optimization, 2018, 28, 1367-1395.	2.0	16
95	Algorithms for Solving Nonlinear Systems of Equations. , 1994, , 81-108.		16
96	A trust region method for minimization of nonsmooth functions with linear constraints. Mathematical Programming, 1997, 76, 431-449.	2.4	15
97	An interior-point method for solving box-constrained underdetermined nonlinear systems. Journal of Computational and Applied Mathematics, 2005, 177, 67-88.	2.0	15
98	Inexact restoration method for minimization problems arising in electronic structure calculations. Computational Optimization and Applications, 2011, 50, 555-590.	1.6	14
99	Assessing the reliability of general-purpose Inexact Restoration methods. Journal of Computational and Applied Mathematics, 2015, 282, 1-16.	2.0	14
100	An inexact restoration approach to optimization problems with multiobjective constraints under weighted-sum scalarization. Optimization Letters, 2016, 10, 1315-1325.	1.6	14
101	On the employment of inexact restoration for the minimization of functions whose evaluation is subject to errors. Mathematics of Computation, 2017, 87, 1307-1326.	2.1	14
102	Spectral Projected Gradient Methods. , 2008, , 3652-3659.		14
103	Solving Nonsmooth Equations by Means of Quasi-Newton Methods with Globalization. , 1995, , 121-140.		14
104	On the Relation between Two Local Convergence Theories of Least-Change Secant Update Methods. Mathematics of Computation, 1992, 59, 457.	2.1	13
105	Fixed-Point Quasi-Newton Methods. SIAM Journal on Numerical Analysis, 1992, 29, 1413-1434.	2.3	13
106	Least change update methods for nonlinear systems with nondifferentiable terms. Numerical Functional Analysis and Optimization, 1993, 14, 405-415.	1.4	13
107	On the solution of the extended linear complementarity problem. Linear Algebra and Its Applications, 1998, 281, 247-257.	0.9	13
108	Reformulation of Variational Inequalities on a Simplex and Compactification of Complementarity Problems. SIAM Journal on Optimization, 2000, 10, 878-895.	2.0	13

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109	Estimation of optical parameters of very thin films. <i>Applied Numerical Mathematics</i> , 2003, 47, 109-119.	2.1	13
110	Spectral Gradient Methods for Linearly Constrained Optimization. <i>Journal of Optimization Theory and Applications</i> , 2005, 125, 629-651.	1.5	13
111	Continuous optimization methods for structure alignments. <i>Mathematical Programming</i> , 2007, 112, 93-124.	2.4	13
112	Estimation of the thickness and the optical parameters of several stacked thin films using optimization. <i>Applied Optics</i> , 2008, 47, 5208.	2.1	13
113	The column-updating method for solving nonlinear equations in Hilbert space. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 1992, 26, 309-330.	1.9	13
114	Triangular Decomposition Methods for Solving Reducible Nonlinear Systems of Equations. <i>SIAM Journal on Optimization</i> , 1994, 4, 358-382.	2.0	12
115	Minimization subproblems and heuristics for an applied clustering problem. <i>European Journal of Operational Research</i> , 2003, 146, 19-34.	5.7	12
116	Optimality properties of an Augmented Lagrangian method on infeasible problems. <i>Computational Optimization and Applications</i> , 2015, 60, 609-631.	1.6	12
117	A Newton-like method with mixed factorizations and cubic regularization for unconstrained minimization. <i>Computational Optimization and Applications</i> , 2019, 73, 707-753.	1.6	12
118	Quasi-Newton methods with factorization scaling for solving sparse nonlinear systems of equations. <i>Computing (Vienna/New York)</i> , 1987, 38, 133-141.	4.8	11
119	Quasi-inexact-Newton methods with global convergence for solving constrained nonlinear systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1997, 30, 1-7.	1.1	11
120	On the local convergence of quasi-Newton methods for nonlinear complementarity problems. <i>Applied Numerical Mathematics</i> , 1999, 30, 3-22.	2.1	11
121	Nonlinear-programming reformulation of the order-value optimization problem. <i>Mathematical Methods of Operations Research</i> , 2005, 61, 365-384.	1.0	11
122	Partial spectral projected gradient method with active-set strategy for linearly constrained optimization. <i>Numerical Algorithms</i> , 2010, 53, 23-52.	1.9	11
123	Handling infeasibility in a large-scale nonlinear optimization algorithm. <i>Numerical Algorithms</i> , 2012, 60, 263-277.	1.9	11
124	Sparse Projected-Gradient Method As a Linear-Scaling Low-Memory Alternative to Diagonalization in Self-Consistent Field Electronic Structure Calculations. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1043-1051.	5.3	11
125	Augmented Lagrangians with possible infeasibility and finite termination for global nonlinear programming. <i>Journal of Global Optimization</i> , 2014, 58, 207-242.	1.8	11
126	On the numerical solution of bound constrained optimization problems. <i>RAIRO - Operations Research</i> , 1989, 23, 319-341.	1.8	11

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127	Combination of the sequential secant method and Broyden's method with projected updates. Computing (Vienna/New York), 1980, 25, 379-386.	4.8	10
128	Solving systems of nonlinear equations by means of an accelerated successive orthogonal projections method. Journal of Computational and Applied Mathematics, 1986, 16, 169-179.	2.0	10
129	A Theory of Secant Preconditioners. Mathematics of Computation, 1993, 60, 681.	2.1	10
130	Convergence properties of the inverse column-updating method. Optimization Methods and Software, 1995, 6, 127-144.	2.4	10
131	The reformulation of nonlinear complementarity problems using the Fischer-burmeister function. Applied Mathematics Letters, 1999, 12, 7-12.	2.7	10
132	On the solution of bounded and unbounded mixed complementarity problems. Optimization, 2001, 50, 265-278.	1.7	10
133	Outer Trust-Region Method for Constrained Optimization. Journal of Optimization Theory and Applications, 2011, 150, 142-155.	1.5	10
134	Sequential equality-constrained optimization for nonlinear programming. Computational Optimization and Applications, 2016, 65, 699-721.	1.6	10
135	Newton's method may fail to recognize proximity to optimal points in constrained optimization. Mathematical Programming, 2016, 160, 547-555.	2.4	10
136	Local convergence theory of inexact Newton methods based on structured least change updates. Mathematics of Computation, 1990, 55, 143-143.	2.1	10
137	A Curvilinear Search Using Tridiagonal Secant Updates for Unconstrained Optimization. SIAM Journal on Optimization, 1991, 1, 333-357.	2.0	9
138	SOR-Secant Methods. SIAM Journal on Numerical Analysis, 1994, 31, 217-226.	2.3	9
139	Nonmonotone Strategy for Minimization of Quadratics with Simple Constraints. Applications of Mathematics, 2001, 46, 321-338.	0.9	9
140	Order-Value Optimization: Formulation and solution by means of a primal cauchy method. Mathematical Methods of Operations Research, 2003, 58, 387-399.	1.0	9
141	Low order-value approach for solving VaR-constrained optimization problems. Journal of Global Optimization, 2011, 51, 715-742.	1.8	9
142	A Flexible Inexact-Restoration Method for Constrained Optimization. Journal of Optimization Theory and Applications, 2015, 165, 188-208.	1.5	9
143	Iteration and evaluation complexity for the minimization of functions whose computation is intrinsically inexact. Mathematics of Computation, 2019, 89, 253-278.	2.1	9
144	On the use of third-order models with fourth-order regularization for unconstrained optimization. Optimization Letters, 2020, 14, 815-838.	1.6	9

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145	A parallel projection method for overdetermined nonlinear systems of equations. Numerical Algorithms, 1993, 4, 241-262.	1.9	8
146	An extension of the theory of secant preconditioners. Journal of Computational and Applied Mathematics, 1995, 60, 115-125.	2.0	8
147	Inexact-Newton methods for semismooth systems of equations with block-angular structure. Journal of Computational and Applied Mathematics, 1999, 103, 239-249.	2.0	8
148	A globally convergent inexact-Newton method for solving reducible nonlinear systems of equations. Optimization Methods and Software, 2000, 13, 11-34.	2.4	8
149	Minimization of Discontinuous Cost Functions by Smoothing. Acta Applicandae Mathematicae, 2002, 71, 245-260.	1.0	8
150	Addressing the greediness phenomenon in Nonlinear Programming by means of Proximal Augmented Lagrangians. Computational Optimization and Applications, 2010, 46, 229-245.	1.6	8
151	On the behaviour of constrained optimization methods when Lagrange multipliers do not exist. Optimization Methods and Software, 2014, 29, 646-657.	2.4	8
152	Solution of nonlinear systems of equations by an optimal projection method. Computing (Vienna/New York), 1987, 39, 307-325.	4.8	7
153	An algorithm for solving sparse Nonlinear Least Squares problems. Computing (Vienna/New York), 1987, 39, 307-325.	4.8	7
154	A projected "gradient interior" point algorithm for complementarity problems. Numerical Algorithms, 2011, 57, 457-485.	1.9	7
155	Separable cubic modeling and a trust-region strategy for unconstrained minimization with impact in global optimization. Journal of Global Optimization, 2015, 63, 319-342.	1.8	7
156	On the Complexity of an Inexact Restoration Method for Constrained Optimization. SIAM Journal on Optimization, 2020, 30, 80-101.	2.0	7
157	New Theoretical Results on Recursive Quadratic Programming Algorithms. Journal of Optimization Theory and Applications, 1998, 97, 435-454.	1.5	6
158	Discrete Newton's method with local variations for solving large-scale nonlinear systems. Optimization, 2003, 52, 417-440.	1.7	6
159	Generalized order-value optimization. Top, 2012, 20, 75-98.	1.6	6
160	Feasibility problems with complementarity constraints. European Journal of Operational Research, 2016, 249, 41-54.	5.7	6
161	New convergence results on an algorithm for norm constrained regularization and related problems. RAIRO - Operations Research, 1997, 31, 269-294.	1.8	6
162	The projection method for solving nonlinear systems of equations under the "most violated constraint" control. Computers and Mathematics With Applications, 1985, 11, 987-993.	2.7	5

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163	The method of successive orthogonal projections for solving nonlinear simultaneous equations. <i>Calcolo</i> , 1986, 23, 93-104.	1.1	5
164	On the natural merit function for solving complementarity problems. <i>Mathematical Programming</i> , 2011, 130, 211-223.	2.4	5
165	On optimization strategies for parameter estimation in models governed by partial differential equations. <i>Mathematics and Computers in Simulation</i> , 2015, 114, 14-24.	4.4	5
166	On the application of an augmented Lagrangian algorithm to some portfolio problems. <i>EURO Journal on Computational Optimization</i> , 2016, 4, 79-92.	2.4	5
167	A computer model for particle-like simulation in broiler houses. <i>Computers and Electronics in Agriculture</i> , 2017, 141, 1-14.	7.7	5
168	On the minimization of possibly discontinuous functions by means of pointwise approximations. <i>Optimization Letters</i> , 2017, 11, 1623-1637.	1.6	5
169	On the controlling of temperature: A proposal for a real-time controller in broiler houses. <i>Scientia Agricola</i> , 2018, 75, 445-451.	1.2	5
170	Practical Augmented Lagrangian Methods. , 2008, , 3013-3023.		5
171	Solving Complementarity Problems by Means of a New Smooth Constrained Nonlinear Solver. <i>Applied Optimization</i> , 1998, , 1-24.	0.4	5
172	An accelerated successive orthogonal projections method for solving large-scale linear feasibility problems. <i>Computers and Mathematics With Applications</i> , 1988, 15, 367-373.	2.7	4
173	An algorithm for solving nonlinear least-squares problems with a new curvilinear search. <i>Computing (Vienna/New York)</i> , 1990, 44, 83-90.	4.8	4
174	A Numerically stable reduced-gradient type algorithm for solving large-scale linearly constrained minimization problems. <i>Computers and Operations Research</i> , 1991, 18, 17-31.	4.0	4
175	On the convergence of quasi-newton methods for nonsmooth problems. <i>Numerical Functional Analysis and Optimization</i> , 1995, 16, 1193-1209.	1.4	4
176	Trust-region superposition methods for protein alignment. <i>IMA Journal of Numerical Analysis</i> , 2008, 28, 690-710.	2.9	4
177	Preface to the Special Issue on Many Faces of Distances. <i>International Transactions in Operational Research</i> , 2016, 23, 841-841.	2.7	4
178	On high-order model regularization for multiobjective optimization. <i>Optimization Methods and Software</i> , 2022, 37, 175-191.	2.4	4
179	Low Order-Value Multiple Fitting for supercritical fluid extraction models. <i>Computers and Chemical Engineering</i> , 2012, 40, 148-156.	3.8	3
180	Fast convergence of an inexact interior point method for horizontal complementarity problems. <i>Numerical Algorithms</i> , 2018, 79, 1187-1210.	1.9	3

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