

Liqun Qi

List of Publications by Year in descending order

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332
papers

15,094
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22099

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all docs

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docs citations

341
times ranked

3322
citing authors

#	ARTICLE	IF	CITATIONS
1	A nonsmooth version of Newton's method. <i>Mathematical Programming</i> , 1993, 58, 353-367.	1.6	1,190
2	Eigenvalues of a real supersymmetric tensor. <i>Journal of Symbolic Computation</i> , 2005, 40, 1302-1324.	0.5	967
3	Convergence Analysis of Some Algorithms for Solving Nonsmooth Equations. <i>Mathematics of Operations Research</i> , 1993, 18, 227-244.	0.8	627
4	A new look at smoothing Newton methods for nonlinear complementarity problems and box constrained variational inequalities. <i>Mathematical Programming</i> , 2000, 87, 1-35.	1.6	319
5	Nonsmooth Equations: Motivation and Algorithms. <i>SIAM Journal on Optimization</i> , 1993, 3, 443-465.	1.2	306
6	Does diffusion kurtosis imaging lead to better neural tissue characterization? A rodent brain maturation study. <i>NeuroImage</i> , 2009, 45, 386-392.	2.1	241
7	Finding the Largest Eigenvalue of a Nonnegative Tensor. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2010, 31, 1090-1099.	0.7	239
8	Towards better MR characterization of neural tissues using directional diffusion kurtosis analysis. <i>NeuroImage</i> , 2008, 42, 122-134.	2.1	236
9	M -tensors and nonsingular M -tensors. <i>Linear Algebra and Its Applications</i> , 2013, 439, 3264-3278.	0.4	209
10	Smoothing Methods and Semismooth Methods for Nondifferentiable Operator Equations. <i>SIAM Journal on Numerical Analysis</i> , 2000, 38, 1200-1216.	1.1	198
11	\mathbb{S} -Tensors and Some Applications. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014, 35, 437-452.	0.7	198
12	A smoothing method for mathematical programs with equilibrium constraints. , 1999, 85, 107.		176
13	Eigenvalues and invariants of tensors. <i>Journal of Mathematical Analysis and Applications</i> , 2007, 325, 1363-1377.	0.5	175
14	A smoothing method for mathematical programs with equilibrium constraints. <i>Mathematical Programming</i> , 1999, 85, 107-134.	1.6	168
15	Symmetric nonnegative tensors and copositive tensors. <i>Linear Algebra and Its Applications</i> , 2013, 439, 228-238.	0.4	161
16	New quasi-Newton methods for unconstrained optimization problems. <i>Applied Mathematics and Computation</i> , 2006, 175, 1156-1188.	1.4	151
17	On the Constant Positive Linear Dependence Condition and Its Application to SQP Methods. <i>SIAM Journal on Optimization</i> , 2000, 10, 963-981.	1.2	141
18	Higher Order Positive Semidefinite Diffusion Tensor Imaging. <i>SIAM Journal on Imaging Sciences</i> , 2010, 3, 416-433.	1.3	136

#	ARTICLE	IF	CITATIONS
19	On NCP-Functions. Computational Optimization and Applications, 1999, 13, 201-220.	0.9	131
20	A New Nonsmooth Equations Approach to Nonlinear Complementarity Problems. SIAM Journal on Control and Optimization, 1997, 35, 178-193.	1.1	130
21	Z-eigenvalue methods for a global polynomial optimization problem. Mathematical Programming, 2009, 118, 301-316.	1.6	130
22	Properties of Some Classes of Structured Tensors. Journal of Optimization Theory and Applications, 2015, 165, 854-873.	0.8	128
23	The sparsest solutions to Z-tensor complementarity problems. Optimization Letters, 2017, 11, 471-482.	0.9	119
24	Formulating an n-person noncooperative game as a tensor complementarity problem. Computational Optimization and Applications, 2017, 66, 557-576.	0.9	117
25	Positive-Definite Tensors to Nonlinear Complementarity Problems. Journal of Optimization Theory and Applications, 2016, 168, 475-487.	0.8	116
26	D -eigenvalues of diffusion kurtosis tensors. Journal of Computational and Applied Mathematics, 2008, 221, 150-157.	1.1	113
27	On determinants and eigenvalue theory of tensors. Journal of Symbolic Computation, 2013, 50, 508-531.	0.5	113
28	An Eigenvalue Method for Testing Positive Definiteness of a Multivariate Form. IEEE Transactions on Automatic Control, 2008, 53, 1096-1107.	3.6	107
29	Tensor Eigenvalues and Their Applications. Advances in Mechanics and Mathematics, 2018, , .	0.2	106
30	Inexact Newton methods for solving nonsmooth equations. Journal of Computational and Applied Mathematics, 1995, 60, 127-145.	1.1	101
31	H -eigenvalues of Laplacian and signless Laplacian tensors. Communications in Mathematical Sciences, 2014, 12, 1045-1064.	0.5	101
32	Tensor Complementarity Problem and Semi-positive Tensors. Journal of Optimization Theory and Applications, 2016, 169, 1069-1078.	0.8	100
33	Algebraic connectivity of an even uniform hypergraph. Journal of Combinatorial Optimization, 2012, 24, 564-579.	0.8	99
34	A practical method for computing the largest M -eigenvalue of a fourth-order partially symmetric tensor. Numerical Linear Algebra With Applications, 2009, 16, 589-601.	0.9	92
35	Biquadratic Optimization Over Unit Spheres and Semidefinite Programming Relaxations. SIAM Journal on Optimization, 2010, 20, 1286-1310.	1.2	92
36	Semismooth Karush-Kuhn-Tucker Equations and Convergence Analysis of Newton and Quasi-Newton Methods for Solving these Equations. Mathematics of Operations Research, 1997, 22, 301-325.	0.8	91

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37	Numerical multilinear algebra and its applications. <i>Frontiers of Mathematics in China</i> , 2007, 2, 501-526.	0.4	90
38	A survey on the spectral theory of nonnegative tensors. <i>Numerical Linear Algebra With Applications</i> , 2013, 20, 891-912.	0.9	86
39	Cored hypergraphs, power hypergraphs and their Laplacian H-eigenvalues. <i>Linear Algebra and Its Applications</i> , 2013, 439, 2980-2998.	0.4	86
40	Superlinearly convergent approximate Newton methods for LC1 optimization problems. <i>Mathematical Programming</i> , 1994, 64, 277-294.	1.6	85
41	Computing Block-Angular Karmarkar Projections with Applications to Stochastic Programming. <i>Management Science</i> , 1988, 34, 1472-1479.	2.4	82
42	The \mathbb{Z} -eigenvalues of a symmetric tensor and its application to spectral hypergraph theory. <i>Numerical Linear Algebra With Applications</i> , 2013, 20, 1001-1029.	0.9	81
43	A Globally and Superlinearly Convergent Algorithm for Nonsmooth Convex Minimization. <i>SIAM Journal on Optimization</i> , 1996, 6, 1106-1120.	1.2	78
44	On Semismooth Newton's Methods for Total Variation Minimization. <i>Journal of Mathematical Imaging and Vision</i> , 2007, 27, 265-276.	0.8	75
45	Conditions for Strong Ellipticity of Anisotropic Elastic Materials. <i>Journal of Elasticity</i> , 2009, 97, 1-13.	0.9	72
46	Conditions for strong ellipticity and M-eigenvalues. <i>Frontiers of Mathematics in China</i> , 2009, 4, 349-364.	0.4	71
47	A Trust Region Method for Solving Generalized Complementarity Problems. <i>SIAM Journal on Optimization</i> , 1998, 8, 140-157.	1.2	69
48	New nonlinear conjugate gradient formulas for large-scale unconstrained optimization problems. <i>Applied Mathematics and Computation</i> , 2006, 179, 407-430.	1.4	69
49	Rank and eigenvalues of a supersymmetric tensor, the multivariate homogeneous polynomial and the algebraic hypersurface it defines. <i>Journal of Symbolic Computation</i> , 2006, 41, 1309-1327.	0.5	68
50	Sub-quadratic convergence of a smoothing Newton algorithm for the P0 and monotone LCP. <i>Mathematical Programming</i> , 2004, 99, 423-441.	1.6	67
51	Generalized tensor function via the tensor singular value decomposition based on the T-product. <i>Linear Algebra and Its Applications</i> , 2020, 590, 258-303.	0.4	67
52	Improving the convergence of non-interior point algorithms for nonlinear complementarity problems. <i>Mathematics of Computation</i> , 1999, 69, 283-305.	1.1	66
53	The Best Rank-1 Approximation of a Symmetric Tensor and Related Spherical Optimization Problems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2012, 33, 806-821.	0.7	66
54	An even order symmetric B tensor is positive definite. <i>Linear Algebra and Its Applications</i> , 2014, 457, 303-312.	0.4	65

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55	A globally convergent Newton method for convex SC1 minimization problems. <i>Journal of Optimization Theory and Applications</i> , 1995, 85, 633-648.	0.8	63
56	Smoothing Functions and Smoothing Newton Method for Complementarity and Variational Inequality Problems. <i>Journal of Optimization Theory and Applications</i> , 2002, 113, 121-147.	0.8	63
57	The eigenvectors associated with the zero eigenvalues of the Laplacian and signless Laplacian tensors of a uniform hypergraph. <i>Discrete Applied Mathematics</i> , 2014, 169, 140-151.	0.5	63
58	The degree of the E-characteristic polynomial of an even order tensor. <i>Journal of Mathematical Analysis and Applications</i> , 2007, 329, 1218-1229.	0.5	61
59	The Best Rank-One Approximation Ratio of a Tensor Space. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2011, 32, 430-442.	0.7	61
60	Tensor Complementarity Problems—Part I: Basic Theory. <i>Journal of Optimization Theory and Applications</i> , 2019, 183, 1-23.	0.8	61
61	A Globally Convergent Successive Approximation Method for Severely Nonsmooth Equations. <i>SIAM Journal on Control and Optimization</i> , 1995, 33, 402-418.	1.1	60
62	Strictly nonnegative tensors and nonnegative tensor partition. <i>Science China Mathematics</i> , 2014, 57, 181-195.	0.8	60
63	The extremal spectral radii of k -uniform supertrees. <i>Journal of Combinatorial Optimization</i> , 2016, 32, 741-764.	0.8	60
64	A parameterized Newton method and a quasi-Newton method for nonsmooth equations. <i>Computational Optimization and Applications</i> , 1994, 3, 157-179.	0.9	59
65	Convergence of Newton's Method for Singular Smooth and Nonsmooth Equations Using Adaptive Outer Inverses. <i>SIAM Journal on Optimization</i> , 1997, 7, 445-462.	1.2	58
66	A New QP-Free, Globally Convergent, Locally Superlinearly Convergent Algorithm For Inequality Constrained Optimization. <i>SIAM Journal on Optimization</i> , 2000, 11, 113-132.	1.2	58
67	P-tensors, PO-tensors, and their applications. <i>Linear Algebra and Its Applications</i> , 2018, 555, 336-354.	0.4	58
68	A Novel Neural Network for Variational Inequalities With Linear and Nonlinear Constraints. <i>IEEE Transactions on Neural Networks</i> , 2005, 16, 1305-1317.	4.8	56
69	Descent Directions of Quasi-Newton Methods for Symmetric Nonlinear Equations. <i>SIAM Journal on Numerical Analysis</i> , 2002, 40, 1763-1774.	1.1	55
70	Neurodynamical Optimization. <i>Journal of Global Optimization</i> , 2004, 28, 175-195.	1.1	55
71	Deriving Sufficient Conditions for Global Asymptotic Stability of Delayed Neural Networks via Nonsmooth Analysis. <i>IEEE Transactions on Neural Networks</i> , 2004, 15, 99-109.	4.8	55
72	Nonnegative Tensor Factorization, Completely Positive Tensors, and a Hierarchical Elimination Algorithm. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014, 35, 1227-1241.	0.7	55

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73	Quasi-Newton Bundle-Type Methods for Nondifferentiable Convex Optimization. <i>SIAM Journal on Optimization</i> , 1998, 8, 583-603.	1.2	53
74	Singular values of a real rectangular tensor. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 370, 284-294.	0.5	53
75	Linear convergence of an algorithm for computing the largest eigenvalue of a nonnegative tensor. <i>Numerical Linear Algebra With Applications</i> , 2012, 19, 830-841.	0.9	52
76	Spectral Properties of Positively Homogeneous Operators Induced by Higher Order Tensors. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2013, 34, 1581-1595.	0.7	52
77	Multivariate Polynomial Minimization and Its Application in Signal Processing. <i>Journal of Global Optimization</i> , 2003, 26, 419-433.	1.1	50
78	Semismooth Newton Methods for Solving Semi-Infinite Programming Problems. <i>Journal of Global Optimization</i> , 2003, 27, 215-232.	1.1	50
79	Active-Set Projected Trust-Region Algorithm for Box-Constrained Nonsmooth Equations. <i>Journal of Optimization Theory and Applications</i> , 2004, 120, 601-625.	0.8	50
80	Directed submodularity, ditroids and directed submodular flows. <i>Mathematical Programming</i> , 1988, 42, 579-599.	1.6	49
81	The largest Laplacian and signless Laplacian H-eigenvalues of a uniform hypergraph. <i>Linear Algebra and Its Applications</i> , 2015, 469, 1-27.	0.4	49
82	The Laplacian of a uniform hypergraph. <i>Journal of Combinatorial Optimization</i> , 2015, 29, 331-366.	0.8	49
83	Tensor Complementarity Problems—Part III: Applications. <i>Journal of Optimization Theory and Applications</i> , 2019, 183, 771-791.	0.8	49
84	Tensor Complementarity Problems—Part II: Solution Methods. <i>Journal of Optimization Theory and Applications</i> , 2019, 183, 365-385.	0.8	48
85	Fast Hankel tensor—vector product and its application to exponential data fitting. <i>Numerical Linear Algebra With Applications</i> , 2015, 22, 814-832.	0.9	47
86	A trust region algorithm for minimization of locally Lipschitzian functions. <i>Mathematical Programming</i> , 1994, 66, 25-43.	1.6	46
87	A Squared Smoothing Newton Method for Nonsmooth Matrix Equations and Its Applications in Semidefinite Optimization Problems. <i>SIAM Journal on Optimization</i> , 2004, 14, 783-806.	1.2	46
88	Column sufficient tensors and tensor complementarity problems. <i>Frontiers of Mathematics in China</i> , 2018, 13, 255-276.	0.4	46
89	Some simple estimates for singular values of a matrix. <i>Linear Algebra and Its Applications</i> , 1984, 56, 105-119.	0.4	45
90	Necessary and sufficient conditions for copositive tensors. <i>Linear and Multilinear Algebra</i> , 2015, 63, 120-131.	0.5	45

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91	A quadratically convergent algorithm for finding the largest eigenvalue of a nonnegative homogeneous polynomial map. <i>Journal of Global Optimization</i> , 2015, 61, 627-641.	1.1	45
92	Strictly semi-positive tensors and the boundedness of tensor complementarity problems. <i>Optimization Letters</i> , 2017, 11, 1407-1426.	0.9	45
93	T-Jordan Canonical Form and T-Drazin Inverse Based on the T-Product. <i>Communications on Applied Mathematics and Computation</i> , 2021, 3, 201-220.	0.7	45
94	Secant methods for semismooth equations. <i>Numerische Mathematik</i> , 1998, 80, 305-324.	0.9	44
95	Solving nonlinear complementarity problems with neural networks: a reformulation method approach. <i>Journal of Computational and Applied Mathematics</i> , 2001, 131, 343-359.	1.1	43
96	On the Minimum Norm Solution of Linear Programs. <i>Journal of Optimization Theory and Applications</i> , 2003, 116, 333-345.	0.8	43
97	Regularized Newton Methods for Convex Minimization Problems with Singular Solutions. <i>Computational Optimization and Applications</i> , 2004, 28, 131-147.	0.9	43
98	A Smoothing Newton Method for Semi-Infinite Programming. <i>Journal of Global Optimization</i> , 2004, 30, 169-194.	1.1	43
99	New ALS Methods With Extrapolating Search Directions and Optimal Step Size for Complex-Valued Tensor Decompositions. <i>IEEE Transactions on Signal Processing</i> , 2011, 59, 5888-5898.	3.2	42
100	On the cone eigenvalue complementarity problem for higher-order tensors. <i>Computational Optimization and Applications</i> , 2016, 63, 143-168.	0.9	42
101	Hankel tensors: Associated Hankel matrices and Vandermonde decomposition. <i>Communications in Mathematical Sciences</i> , 2015, 13, 113-125.	0.5	42
102	A Globally and Quadratically Convergent Algorithm for Solving Multilinear Systems with \mathbb{M} -tensors. <i>Journal of Scientific Computing</i> , 2018, 76, 1718-1741.	1.1	41
103	Infinite and finite dimensional Hilbert tensors. <i>Linear Algebra and Its Applications</i> , 2014, 451, 1-14.	0.4	40
104	Tensor absolute value equations. <i>Science China Mathematics</i> , 2018, 61, 1695-1710.	0.8	40
105	Positive definiteness and semi-definiteness of even order symmetric Cauchy tensors. <i>Journal of Industrial and Management Optimization</i> , 2015, 11, 1263-1274.	0.8	40
106	Regular Pseudo-Smooth NCP and BVIP Functions and Globally and Quadratically Convergent Generalized Newton Methods for Complementarity and Variational Inequality Problems. <i>Mathematics of Operations Research</i> , 1999, 24, 440-471.	0.8	39
107	Global convergence of the Polak-Ribière-Polyak conjugate gradient method with an Armijo-type inexact line search for nonconvex unconstrained optimization problems. <i>Mathematics of Computation</i> , 2008, 77, 2173-2193.	1.1	39
108	On the Convergence of a Trust-Region Method for Solving Constrained Nonlinear Equations with Degenerate Solutions. <i>Journal of Optimization Theory and Applications</i> , 2004, 123, 187-211.	0.8	38

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109	Regular uniform hypergraphs, s -cycles, s -paths and their largest Laplacian H -eigenvalues. <i>Linear Algebra and Its Applications</i> , 2014, 443, 215-227.	0.4	38
110	Stability Analysis of Gradient-Based Neural Networks for Optimization Problems. <i>Journal of Global Optimization</i> , 2001, 19, 363-381.	1.1	37
111	Smooth Convex Approximation to the Maximum Eigenvalue Function. <i>Journal of Global Optimization</i> , 2004, 30, 253-270.	1.1	37
112	Nonnegative Diffusion Orientation Distribution Function. <i>Journal of Mathematical Imaging and Vision</i> , 2013, 45, 103-113.	0.8	37
113	Copositivity Detection of Tensors: Theory and Algorithm. <i>Journal of Optimization Theory and Applications</i> , 2017, 174, 746-761.	0.8	37
114	A semidefinite program approach for computing the maximum eigenvalue of a class of structured tensors and its applications in hypergraphs and copositivity test. <i>Numerical Linear Algebra With Applications</i> , 2018, 25, e2125.	0.9	37
115	A smoothing method for solving portfolio optimization with CVaR and applications in allocation of generation asset. <i>Applied Mathematics and Computation</i> , 2010, 216, 1723-1740.	1.4	36
116	Geometric Measure of Entanglement and U -Eigenvalues of Tensors. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014, 35, 73-87.	0.7	36
117	Computing the geometric measure of entanglement of multipartite pure states by means of non-negative tensors. <i>Physical Review A</i> , 2016, 93, .	1.0	36
118	Comments on "Explicit criterion for the positive definiteness of a general quartic form". <i>IEEE Transactions on Automatic Control</i> , 2005, 50, 416-418.	3.6	35
119	The SC1 property of an expected residual function arising from stochastic complementarity problems. <i>Operations Research Letters</i> , 2008, 36, 456-460.	0.5	35
120	Local Uniqueness and Convergence of Iterative Methods for Nonsmooth Variational Inequalities. <i>Journal of Mathematical Analysis and Applications</i> , 1995, 196, 314-331.	0.5	34
121	A Feasible Sequential Linear Equation Method for Inequality Constrained Optimization. <i>SIAM Journal on Optimization</i> , 2003, 13, 1222-1244.	1.2	34
122	On the successive supersymmetric rank-1 decomposition of higher-order supersymmetric tensors. <i>Numerical Linear Algebra With Applications</i> , 2007, 14, 503-519.	0.9	34
123	Copositive tensor detection and its applications in physics and hypergraphs. <i>Computational Optimization and Applications</i> , 2018, 69, 133-158.	0.9	34
124	Finding the extreme Z -eigenvalues of tensors via a sequential semidefinite programming method. <i>Numerical Linear Algebra With Applications</i> , 2013, 20, 972-984.	0.9	33
125	Newton's method for quadratic stochastic programs with recourse. <i>Journal of Computational and Applied Mathematics</i> , 1995, 60, 29-46.	1.1	32
126	Solving variational inequality problems via smoothing-nonsmooth reformulations. <i>Journal of Computational and Applied Mathematics</i> , 2001, 129, 37-62.	1.1	32

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127	Global Uniqueness and Solvability of Tensor Variational Inequalities. <i>Journal of Optimization Theory and Applications</i> , 2018, 177, 137-152.	0.8	32
128	A fast algorithm for the spectral radii of weakly reducible nonnegative tensors. <i>Numerical Linear Algebra With Applications</i> , 2018, 25, e2134.	0.9	31
129	Principal invariants and inherent parameters of diffusion kurtosis tensors. <i>Journal of Mathematical Analysis and Applications</i> , 2009, 349, 165-180.	0.5	30
130	An iterative method for solving KKT system of the semi-infinite programming. <i>Optimization Methods and Software</i> , 2005, 20, 629-643.	1.6	29
131	On Nonmonotone Chambolle Gradient Projection Algorithms for Total Variation Image Restoration. <i>Journal of Mathematical Imaging and Vision</i> , 2009, 35, 143-154.	0.8	28
132	The cubic spherical optimization problems. <i>Mathematics of Computation</i> , 2012, 81, 1513-1525.	1.1	28
133	Modified gradient dynamic approach to the tensor complementarity problem. <i>Optimization Methods and Software</i> , 2020, 35, 394-415.	1.6	28
134	Differentiability and semismoothness properties of integral functions and their applications. <i>Mathematical Programming</i> , 2005, 102, 223-248.	1.6	27
135	Eigenvalue analysis of constrained minimization problem for homogeneous polynomial. <i>Journal of Global Optimization</i> , 2016, 64, 563-575.	1.1	27
136	Positive definiteness of paired symmetric tensors and elasticity tensors. <i>Journal of Computational and Applied Mathematics</i> , 2018, 338, 22-43.	1.1	27
137	Linear-time separation algorithms for the three-index assignment polytope. <i>Discrete Applied Mathematics</i> , 1993, 43, 1-12.	0.5	26
138	An SQP algorithm for extended linear-quadratic problems in stochastic programming. <i>Annals of Operations Research</i> , 1995, 56, 251-285.	2.6	26
139	Convergence of Newton's method for convex best interpolation. <i>Numerische Mathematik</i> , 2001, 87, 435-456.	0.9	26
140	Deriving Sufficient Conditions for Global Asymptotic Stability of Delayed Neural Networks via Nonsmooth Analysis. <i>IEEE Transactions on Neural Networks</i> , 2005, 16, 1701-1706.	4.8	26
141	Projected Pseudotransient Continuation. <i>SIAM Journal on Numerical Analysis</i> , 2008, 46, 3071-3083.	1.1	26
142	A smoothing projected Newton-type algorithm for semi-infinite programming. <i>Computational Optimization and Applications</i> , 2009, 42, 1-30.	0.9	26
143	Convergence of an algorithm for the largest singular value of a nonnegative rectangular tensor. <i>Linear Algebra and Its Applications</i> , 2013, 438, 959-968.	0.4	26
144	The Fiedler Vector of a Laplacian Tensor for Hypergraph Partitioning. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, A2508-A2537.	1.3	26

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145	Positive definiteness of Diffusion Kurtosis Imaging. <i>Inverse Problems and Imaging</i> , 2012, 6, 57-75.	0.6	26
146	Stochastic \mathbb{R}^3 tensors to stochastic tensor complementarity problems. <i>Optimization Letters</i> , 2019, 13, 261-279.	0.9	25
147	Semiregularity and Generalized Subdifferentials with Applications to Optimization. <i>Mathematics of Operations Research</i> , 1993, 18, 982-1005.	0.8	24
148	Trust Region Algorithms for Solving Nonsmooth Equations. <i>SIAM Journal on Optimization</i> , 1995, 5, 219-230.	1.2	24
149	A Smoothing Newton Method for Minimizing a Sum of Euclidean Norms. <i>SIAM Journal on Optimization</i> , 2000, 11, 389-410.	1.2	24
150	Globally and Superlinearly Convergent QP-Free Algorithm for Nonlinear Constrained Optimization. <i>Journal of Optimization Theory and Applications</i> , 2002, 113, 297-323.	0.8	24
151	A semi-infinite programming algorithm for solving optimal power flow with transient stability constraints. <i>Journal of Computational and Applied Mathematics</i> , 2008, 217, 432-447.	1.1	24
152	Programmable criteria for strong \mathbb{H} -tensors. <i>Numerical Algorithms</i> , 2017, 74, 199-221.	1.1	24
153	The shortest path improvement problems under Hamming distance. <i>Journal of Combinatorial Optimization</i> , 2006, 12, 351-361.	0.8	23
154	Global Error Bound for the Generalized Linear Complementarity Problem over a Polyhedral Cone. <i>Journal of Optimization Theory and Applications</i> , 2009, 142, 417-429.	0.8	23
155	Convergence of a second order Markov chain. <i>Applied Mathematics and Computation</i> , 2014, 241, 183-192.	1.4	23
156	Octupolar tensors for liquid crystals. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 025206.	0.7	23
157	No-Arbitrage Interpolation of the Option Price Function and Its Reformulation. <i>Journal of Optimization Theory and Applications</i> , 2004, 120, 627-649.	0.8	22
158	Efficient algorithms for computing the largest eigenvalue of a nonnegative tensor. <i>Frontiers of Mathematics in China</i> , 2013, 8, 155-168.	0.4	22
159	On the largest eigenvalue of a symmetric nonnegative tensor. <i>Numerical Linear Algebra With Applications</i> , 2013, 20, 913-928.	0.9	22
160	Semismoothness of the maximum eigenvalue function of a symmetric tensor and its application. <i>Linear Algebra and Its Applications</i> , 2013, 438, 813-833.	0.4	22
161	Some new trace formulas of tensors with applications in spectral hypergraph theory. <i>Linear and Multilinear Algebra</i> , 2015, 63, 971-992.	0.5	22
162	Computing Extreme Eigenvalues of Large Scale Hankel Tensors. <i>Journal of Scientific Computing</i> , 2016, 68, 716-738.	1.1	22

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163	The first few unicyclic and bicyclic hypergraphs with largest spectral radii. <i>Linear Algebra and Its Applications</i> , 2017, 527, 141-162.	0.4	22
164	Smoothing Trust Region Methods for Nonlinear Complementarity Problems with P 0-Functions. <i>Annals of Operations Research</i> , 2005, 133, 99-117.	2.6	21
165	Worst-case CVaR based portfolio optimization models with applications to scenario planning. <i>Optimization Methods and Software</i> , 2009, 24, 933-958.	1.6	21
166	Properties of the Moreau-Yosida regularization of a piecewise C^2 convex function. <i>Mathematical Programming</i> , 1999, 84, 269-281.	1.6	20
167	Finding the Maximum Eigenvalue of Essentially Nonnegative Symmetric Tensors via Sum of Squares Programming. <i>Journal of Optimization Theory and Applications</i> , 2013, 158, 717-738.	0.8	20
168	MB-tensors and $\langle \mathbf{M}, \mathbf{x} \rangle$ -tensors Linear Algebra and Its Applications, 2015, 484, 141-153.	0.4	20
169	Quaternion Matrix Optimization: Motivation and Analysis. <i>Journal of Optimization Theory and Applications</i> , 2022, 193, 621-648.	0.8	20
170	Circulant tensors with applications to spectral hypergraph theory and stochastic process. <i>Journal of Industrial and Management Optimization</i> , 2016, 12, 1227-1247.	0.8	20
171	An SQP-Type Method and Its Application in Stochastic Programs. <i>Journal of Optimization Theory and Applications</i> , 2003, 116, 205-228.	0.8	19
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