

Guanglu Zhou

List of Publications by Year in descending order

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41
papers

1,548
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361045

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times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient alternating minimization method for fourth degree polynomial optimization. Journal of Global Optimization, 2022, 82, 83-103.	1.1	3
2	Further results on eigenvalues of symmetric decomposable tensors from multilinear dynamical systems. Applied Mathematics Letters, 2022, 129, 107980.	1.5	5
3	A nonnegativity preserving algorithm for multilinear systems with nonsingular \mathcal{M} -tensors. Numerical Algorithms, 2021, 87, 1301-1320. An index detecting algorithm for a class of TCP (\mathcal{M} -tensors) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 647 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML")	1.1	8
4	equipped with nonsingular \mathcal{M} -tensors. Numerical Algorithms, 2021, 87, 1301-1320.	1.1	3
5	New \mathcal{M} -eigenvalue intervals and application to the strong ellipticity of fourth-order partially symmetric tensors. Journal of Industrial and Management Optimization, 2021, 17, 3685.	0.8	5
6	On copositiveness identification of partially symmetric rectangular tensors. Journal of Computational and Applied Mathematics, 2020, 372, 112678.	1.1	13
7	High-order sum-of-squares structured tensors: theory and applications. Frontiers of Mathematics in China, 2020, 15, 255-284.	0.4	6
8	Birkhoff-von Neumann theorem and decomposition for doubly stochastic tensors. Linear Algebra and Its Applications, 2019, 583, 119-133.	0.4	9
9	A Globally and Quadratically Convergent Algorithm for Solving Multilinear Systems with \mathcal{M} -tensors. Journal of Scientific Computing, 2018, 76, 1718-1741.	1.1	41
10	A fast algorithm for the spectral radii of weakly reducible nonnegative tensors. Numerical Linear Algebra With Applications, 2018, 25, e2134.	0.9	31
11	Approximation algorithms for nonnegative polynomial optimization problems over unit spheres. Frontiers of Mathematics in China, 2017, 12, 1409-1426.	0.4	2
12	A Hybrid Second-Order Method for Homogenous Polynomial Optimization over Unit Sphere. Journal of the Operations Research Society of China, 2017, 5, 99-109.	0.9	3
13	\mathcal{M} -Eigenvalue Inclusion Theorems for Tensors. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 187-198.	0.5	37
14	Practical exponential set stabilization for switched nonlinear systems with multiple subsystem equilibria. Journal of Global Optimization, 2016, 65, 109-118.	1.1	3
15	The Non-convex Sparse Problem with Nonnegative Constraint for Signal Reconstruction. Journal of Optimization Theory and Applications, 2016, 170, 1009-1025.	0.8	2
16	Convergence analysis of a block improvement method for polynomial optimization over unit spheres. Numerical Linear Algebra With Applications, 2015, 22, 1059-1076.	0.9	46
17	Parameter selection for nonnegative \mathcal{M} -tensor sparse decomposition. Operations Research Letters, 2015, 43, 423-426.	0.5	18
18	\mathcal{M} -Tensors and Some Applications. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 437-452.	0.7	198

#	ARTICLE	IF	CITATIONS
19	Spectral theory of nonnegative tensors. <i>Frontiers of Mathematics in China</i> , 2013, 8, 1-1.	0.4	5
20	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
21	On the largest eigenvalue of a symmetric nonnegative tensor. <i>Numerical Linear Algebra With Applications</i> , 2013, 20, 913-928.	0.9	22
22	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
23	Dynamics, Control, and Optimization with Applications. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-1.	0.3	0
24	Nonnegative Polynomial Optimization over Unit Spheres and Convex Programming Relaxations. <i>SIAM Journal on Optimization</i> , 2012, 22, 987-1008.	1.2	16
25	An Alternative Lagrange-Dual Based Algorithm for Sparse Signal Reconstruction. <i>IEEE Transactions on Signal Processing</i> , 2011, 59, 1895-1901.	3.2	30
26	A globally and quadratically convergent method for absolute value equations. <i>Computational Optimization and Applications</i> , 2011, 48, 45-58.	0.9	95
27	A smoothing Newton-type method for solving the spectral estimation problem with lower and upper bounds. <i>Computational Optimization and Applications</i> , 2011, 50, 351-378.	0.9	2
28	An always convergent algorithm for the largest eigenvalue of an irreducible nonnegative tensor. <i>Journal of Computational and Applied Mathematics</i> , 2010, 235, 286-292.	1.1	87
29	Singular values of a real rectangular tensor. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 370, 284-294.	0.5	53
30	Continuous optimization and combinatorial optimization. <i>Frontiers of Mathematics in China</i> , 2010, 5, 1-2.	0.4	1
31	Finding the Largest Eigenvalue of a Nonnegative Tensor. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2010, 31, 1090-1099.	0.7	239
32	A smoothing projected Newton-type algorithm for semi-infinite programming. <i>Computational Optimization and Applications</i> , 2009, 42, 1-30.	0.9	26
33	Feasible Semismooth Newton Method for a Class of Stochastic Linear Complementarity Problems. <i>Journal of Optimization Theory and Applications</i> , 2008, 139, 379-392.	0.8	25
34	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
35	Efficient Algorithms for the Smallest Enclosing Ball Problem. <i>Computational Optimization and Applications</i> , 2005, 30, 147-160.	0.9	27
36	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

#	ARTICLE	IF	CITATIONS
37	Convergence Analysis of an Infeasible Interior Point Algorithm Based on a Regularized Central Path for Linear Complementarity Problems. Computational Optimization and Applications, 2004, 27, 269-283.	0.9	2
38	Semismooth Newton Methods for Solving Semi-Infinite Programming Problems. Journal of Global Optimization, 2003, 27, 215-232.	1.1	50
39	A new look at smoothing Newton methods for nonlinear complementarity problems and box constrained variational inequalities. Mathematical Programming, 2000, 87, 1-35.	1.6	319
40	Further results on sum-of-squares tensors. Optimization Methods and Software, 0, , 1-17.	1.6	3
41	A proximal alternating minimization algorithm for the largest C-eigenvalue of piezoelectric-type tensors. Journal of Global Optimization, 0, , .	1.1	1