

Guanglu Zhou

List of Publications by Year in descending order

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papers

1,548
citations

361045

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h-index

315357

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41
all docs

41
docs citations

41
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Finding the Largest Eigenvalue of a Nonnegative Tensor. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2010, 31, 1090-1099.	0.7	239
3	\mathcal{H} -Tensors and Some Applications. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014, 35, 437-452.	0.7	198
4	A globally and quadratically convergent method for absolute value equations. <i>Computational Optimization and Applications</i> , 2011, 48, 45-58.	0.9	95
5	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
6	Singular values of a real rectangular tensor. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 370, 284-294.	0.5	53
7	Semismooth Newton Methods for Solving Semi-Infinite Programming Problems. <i>Journal of Global Optimization</i> , 2003, 27, 215-232.	1.1	50
8	Convergence analysis of a block improvement method for polynomial optimization over unit spheres. <i>Numerical Linear Algebra With Applications</i> , 2015, 22, 1059-1076.	0.9	46
9	A Globally and Quadratically Convergent Algorithm for Solving Multilinear Systems with \mathcal{M} -tensors. <i>Journal of Scientific Computing</i> , 2018, 76, 1718-1741.	1.1	41
10	\mathcal{H} -Eigenvalue Inclusion Theorems for Tensors. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2017, 22, 187-198.	0.5	37
11	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
12	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
13	An Alternative Lagrange-Dual Based Algorithm for Sparse Signal Reconstruction. <i>IEEE Transactions on Signal Processing</i> , 2011, 59, 1895-1901.	3.2	30
14	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
15	Efficient Algorithms for the Smallest Enclosing Ball Problem. <i>Computational Optimization and Applications</i> , 2005, 30, 147-160.	0.9	27
16	A smoothing projected Newton-type algorithm for semi-infinite programming. <i>Computational Optimization and Applications</i> , 2009, 42, 1-30.	0.9	26
17	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
18	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

#	ARTICLE	IF	CITATIONS
37	The Non-convex Sparse Problem with Nonnegative Constraint for Signal Reconstruction. Journal of Optimization Theory and Applications, 2016, 170, 1009-1025.	0.8	2
38	Approximation algorithms for nonnegative polynomial optimization problems over unit spheres. Frontiers of Mathematics in China, 2017, 12, 1409-1426.	0.4	2
39	Continuous optimization and combinatorial optimization. Frontiers of Mathematics in China, 2010, 5, 1-2.	0.4	1
40	A proximal alternating minimization algorithm for the largest C-eigenvalue of piezoelectric-type tensors. Journal of Global Optimization, 0, , .	1.1	1
41	Dynamics, Control, and Optimization with Applications. Abstract and Applied Analysis, 2013, 2013, 1-1.	0.3	0