

Liqun Qi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

325
papers

12,094
citations

53
h-index

96
g-index

341
ext. papers

13,480
ext. citations

1.6
avg, IF

7.13
L-index

#	Paper	IF	Citations
325	ST-SVD factorization and s-diagonal tensors. <i>Communications in Mathematical Sciences</i> , 2022 , 20, 597-610		1
324	The C-eigenvalue of third order tensors and its application in crystals. <i>Journal of Industrial and Management Optimization</i> , 2021 ,	2	1
323	SLRTA: A sparse and low-rank tensor-based approach to internet traffic anomaly detection. <i>Neurocomputing</i> , 2021 , 434, 295-314	5.4	2
322	A Barzilai-Borwein Gradient Algorithm for Spatio-Temporal Internet Traffic Data Completion via Tensor Triple Decomposition. <i>Journal of Scientific Computing</i> , 2021 , 88, 1	2.3	0
321	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	0.9	18
320	Spectral norm and nuclear norm of a third order tensor. <i>Journal of Industrial and Management Optimization</i> , 2021 ,	2	4
319	Biquadratic tensors, biquadratic decompositions, and norms of biquadratic tensors. <i>Frontiers of Mathematics in China</i> , 2021 , 16, 171-185	0.8	
318	CAMC Focused Section on Tensor Computation. <i>Communications on Applied Mathematics and Computation</i> , 2021 , 3, 199-199	0.9	
317	Triple Decomposition and Tensor Recovery of Third Order Tensors. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2021 , 42, 299-329	1.5	2
316	Tensor Bernstein concentration inequalities with an application to sample estimators for high-order moments. <i>Frontiers of Mathematics in China</i> , 2020 , 15, 367-384	0.8	0
315	Analytical expressions of copositivity for fourth-order symmetric tensors. <i>Analysis and Applications</i> , 2020 , 1-22	2.5	2
314	Elasticity M-tensors and the strong ellipticity condition. <i>Applied Mathematics and Computation</i> , 2020 , 373, 124982	2.7	4
313	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	0.9	31
312	Further study on tensor absolute value equations. <i>Science China Mathematics</i> , 2020 , 63, 2137-2156	0.8	9
311	Hypergraph Clustering Using a New Laplacian Tensor with Applications in Image Processing. <i>SIAM Journal on Imaging Sciences</i> , 2020 , 13, 1157-1178	1.9	3
310	Stationary Probability Vectors of Higher-Order Two-Dimensional Symmetric Transition Probability Tensors. <i>Asia-Pacific Journal of Operational Research</i> , 2020 , 37, 2040019	0.8	3
309	Expected residual minimization method for monotone stochastic tensor complementarity problem. <i>Computational Optimization and Applications</i> , 2020 , 77, 871-896	1.4	3

308	Modified gradient dynamic approach to the tensor complementarity problem. <i>Optimization Methods and Software</i> , 2020 , 35, 394-415	1.3	17
307	Birkhoff-von Neumann theorem and decomposition for doubly stochastic tensors. <i>Linear Algebra and Its Applications</i> , 2019 , 583, 119-133	0.9	6
306	Two irreducible functional bases of isotropic invariants of a fourth-order three-dimensional symmetric and traceless tensor. <i>Mathematics and Mechanics of Solids</i> , 2019 , 24, 3092-3102	2.3	1
305	Irreducible function bases of isotropic invariants of a third order three-dimensional symmetric and traceless tensor. <i>Frontiers of Mathematics in China</i> , 2019 , 14, 1-16	0.8	4
304	Computing the Maximal Violation of Bell Inequalities for Multipartite Qubit via Partially Symmetric Tensor. <i>International Journal of Theoretical Physics</i> , 2019 , 58, 1161-1171	1.1	
303	On semi-definiteness and minimal H-eigenvalue of a symmetric space tensor using nonnegative polynomial optimization techniques. <i>Signal Processing: Image Communication</i> , 2019 , 73, 3-11	2.8	
302	Tensor Complementarity Problems Part III: Applications. <i>Journal of Optimization Theory and Applications</i> , 2019 , 183, 771-791	1.6	25
301	Tensor Complementarity Problems Part II: Solution Methods. <i>Journal of Optimization Theory and Applications</i> , 2019 , 183, 365-385	1.6	29
300	Tensor Complementarity Problems Part I: Basic Theory. <i>Journal of Optimization Theory and Applications</i> , 2019 , 183, 1-23	1.6	33
299	Test of copositive tensors. <i>Journal of Industrial and Management Optimization</i> , 2019 , 15, 881-891	2	9
298	Stochastic (R ₀) tensors to stochastic tensor complementarity problems. <i>Optimization Letters</i> , 2019 , 13, 261-279	1.1	17
297	High performance hardware architecture for singular spectrum analysis of Hankel tensors. <i>Microprocessors and Microsystems</i> , 2019 , 64, 120-127	2.4	2
296	Nonnegative tensors revisited: plane stochastic tensors. <i>Linear and Multilinear Algebra</i> , 2019 , 67, 1364-1391	1.3	10
295	A Globally and Quadratically Convergent Algorithm for Solving Multilinear Systems with $\{\mathcal{M}\}$ -tensors. <i>Journal of Scientific Computing</i> , 2018 , 76, 1718-1741	2.3	29
294	How entangled can a multi-party system possibly be?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 1465-1471	2.3	12
293	Global Uniqueness and Solvability of Tensor Variational Inequalities. <i>Journal of Optimization Theory and Applications</i> , 2018 , 177, 137-152	1.6	25
292	Positive definiteness of paired symmetric tensors and elasticity tensors. <i>Journal of Computational and Applied Mathematics</i> , 2018 , 338, 22-43	2.4	18
291	Column sufficient tensors and tensor complementarity problems. <i>Frontiers of Mathematics in China</i> , 2018 , 13, 255-276	0.8	39

290	Octupolar tensors for liquid crystals. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018 , 51, 025206		20
289	Some properties and applications of odd-colorable r-hypergraphs. <i>Discrete Applied Mathematics</i> , 2018 , 236, 446-452	1	1
288	Tensor Eigenvalues and Their Applications. <i>Advances in Mechanics and Mathematics</i> , 2018 ,	0.2	62
287	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	1.6	32
286	Spectral radii of two kinds of uniform hypergraphs. <i>Applied Mathematics and Computation</i> , 2018 , 338, 661-668	2.7	8
285	Geometric measures of entanglement in multipartite pure states via complex-valued neural networks. <i>Neurocomputing</i> , 2018 , 313, 25-38	5.4	9
284	Tensor absolute value equations. <i>Science China Mathematics</i> , 2018 , 61, 1695-1710	0.8	29
283	An irreducible function basis of isotropic invariants of a third order three-dimensional symmetric tensor. <i>Journal of Mathematical Physics</i> , 2018 , 59, 081703	1.2	5
282	On $\{0,1\}$ CP tensors and CP pseudographs. <i>Linear Algebra and Its Applications</i> , 2018 , 557, 287-306	0.9	
281	$\$M\$$ -eigenvalues of the Riemann curvature tensor. <i>Communications in Mathematical Sciences</i> , 2018 , 16, 2301-2315	1	5
280	A quadratic penalty method for hypergraph matching. <i>Journal of Global Optimization</i> , 2018 , 70, 237-259	1.5	4
279	A fast algorithm for the spectral radii of weakly reducible nonnegative tensors. <i>Numerical Linear Algebra With Applications</i> , 2018 , 25, e2134	1.6	27
278	Copositive tensor detection and its applications in physics and hypergraphs. <i>Computational Optimization and Applications</i> , 2018 , 69, 133-158	1.4	28
277	Computing the p-Spectral Radii of Uniform Hypergraphs with Applications. <i>Journal of Scientific Computing</i> , 2018 , 75, 1-25	2.3	7
276	Isotropic polynomial invariants of Hall tensor. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2018 , 39, 1845-1856	3.2	4
275	A Note on the Multidimensional Moment Problem 2018 , 1075-1079		
274	P-tensors, P0-tensors, and their applications. <i>Linear Algebra and Its Applications</i> , 2018 , 555, 336-354	0.9	45
273	The sparsest solutions to Z-tensor complementarity problems. <i>Optimization Letters</i> , 2017 , 11, 471-482	1.1	84

272	Programmable criteria for strong (mathcal {H})-tensors. <i>Numerical Algorithms</i> , 2017 , 74, 199-221	2.1	19
271	The first few unicyclic and bicyclic hypergraphs with largest spectral radii. <i>Linear Algebra and Its Applications</i> , 2017 , 527, 141-162	0.9	18
270	The Adjacency and Signless Laplacian Spectra of Cored Hypergraphs and Power Hypergraphs. <i>Journal of the Operations Research Society of China</i> , 2017 , 5, 27-43	1.3	7
269	Iterative algorithms for computing US- and U-eigenpairs of complex tensors. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 317, 547-564	2.4	8
268	Strictly semi-positive tensors and the boundedness of tensor complementarity problems. <i>Optimization Letters</i> , 2017 , 11, 1407-1426	1.1	33
267	Pseudo-spectra theory of tensors and tensor polynomial eigenvalue problems. <i>Linear Algebra and Its Applications</i> , 2017 , 533, 536-572	0.9	5
266	The Fiedler Vector of a Laplacian Tensor for Hypergraph Partitioning. <i>SIAM Journal of Scientific Computing</i> , 2017 , 39, A2508-A2537	2.6	11
265	Copositivity Detection of Tensors: Theory and Algorithm. <i>Journal of Optimization Theory and Applications</i> , 2017 , 174, 746-761	1.6	30
264	Improved approximation results on standard quartic polynomial optimization. <i>Optimization Letters</i> , 2017 , 11, 1767-1782	1.1	4
263	Formulating an n-person noncooperative game as a tensor complementarity problem. <i>Computational Optimization and Applications</i> , 2017 , 66, 557-576	1.4	79
262	Inheritance properties and sum-of-squares decomposition of Hankel tensors: theory and algorithms. <i>BIT Numerical Mathematics</i> , 2017 , 57, 169-190	1.7	8
261	Tensor Analysis 2017 ,		132
260	Regularly decomposable tensors and classical spin states. <i>Communications in Mathematical Sciences</i> , 2017 , 15, 1651-1665	1	3
259	Eigenvalue analysis of constrained minimization problem for homogeneous polynomial. <i>Journal of Global Optimization</i> , 2016 , 64, 563-575	1.5	20
258	Completely Positive Tensors: Properties, Easily Checkable Subclasses, and Tractable Relaxations. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2016 , 37, 1675-1698	1.5	14
257	Comon's Conjecture, Rank Decomposition, and Symmetric Rank Decomposition of Symmetric Tensors. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2016 , 37, 1719-1728	1.5	12
256	Computing Eigenvalues of Large Scale Sparse Tensors Arising from a Hypergraph. <i>SIAM Journal of Scientific Computing</i> , 2016 , 38, A3618-A3643	2.6	9
255	Computing the geometric measure of entanglement of multipartite pure states by means of non-negative tensors. <i>Physical Review A</i> , 2016 , 93,	2.6	26

254	A Tensor Analogy of Yuan's Theorem of the Alternative and Polynomial Optimization with Sign structure. <i>Journal of Optimization Theory and Applications</i> , 2016 , 168, 446-474	1.6	15
253	On the cone eigenvalue complementarity problem for higher-order tensors. <i>Computational Optimization and Applications</i> , 2016 , 63, 143-168	1.4	34
252	Higher-degree eigenvalue complementarity problems for tensors. <i>Computational Optimization and Applications</i> , 2016 , 64, 149-176	1.4	15
251	Spectral directed hypergraph theory via tensors. <i>Linear and Multilinear Algebra</i> , 2016 , 64, 780-794	0.7	7
250	A semismooth Newton method for tensor eigenvalue complementarity problem. <i>Computational Optimization and Applications</i> , 2016 , 65, 109-126	1.4	15
249	Tensor Complementarity Problem and Semi-positive Tensors. <i>Journal of Optimization Theory and Applications</i> , 2016 , 169, 1069-1078	1.6	76
248	Positive-Definite Tensors to Nonlinear Complementarity Problems. <i>Journal of Optimization Theory and Applications</i> , 2016 , 168, 475-487	1.6	85
247	The extremal spectral radii of (k)-uniform supertrees. <i>Journal of Combinatorial Optimization</i> , 2016 , 32, 741-764	0.9	49
246	Further results on Cauchy tensors and Hankel tensors. <i>Applied Mathematics and Computation</i> , 2016 , 275, 50-62	2.7	8
245	Computing Extreme Eigenvalues of Large Scale Hankel Tensors. <i>Journal of Scientific Computing</i> , 2016 , 68, 716-738	2.3	15
244	Perturbation bounds of tensor eigenvalue and singular value problems with even order. <i>Linear and Multilinear Algebra</i> , 2016 , 64, 622-652	0.7	8
243	The proof of a conjecture on largest Laplacian and signless Laplacian H-eigenvalues of uniform hypergraphs. <i>Linear Algebra and Its Applications</i> , 2016 , 490, 18-30	0.9	12
242	Circulant tensors with applications to spectral hypergraph theory and stochastic process. <i>Journal of Industrial and Management Optimization</i> , 2016 , 12, 1227-1247	2	12
241	Positive semi-definiteness of generalized anti-circulant tensors. <i>Communications in Mathematical Sciences</i> , 2016 , 14, 941-952	1	3
240	SOS tensor decomposition: Theory and applications. <i>Communications in Mathematical Sciences</i> , 2016 , 14, 2073-2100	1	13
239	A Necessary and Sufficient Condition for Existence of a Positive Perron Vector. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2016 , 37, 1747-1770	1.5	6
238	Spectral properties of odd-bipartite Z-tensors and their absolute tensors. <i>Frontiers of Mathematics in China</i> , 2016 , 11, 539-556	0.8	2
237	Positive semi-definiteness and sum-of-squares property of fourth order four dimensional Hankel tensors. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 302, 356-368	2.4	10

236	{0,1} completely positive tensors and multi-hypergraphs. <i>Linear Algebra and Its Applications</i> , 2016 , 510, 110-123	0.9	5
235	Fast Hankel tensor-vector product and its application to exponential data fitting. <i>Numerical Linear Algebra With Applications</i> , 2015 , 22, 814-832	1.6	32
234	Some new trace formulas of tensors with applications in spectral hypergraph theory. <i>Linear and Multilinear Algebra</i> , 2015 , 63, 971-992	0.7	15
233	Necessary and sufficient conditions for copositive tensors. <i>Linear and Multilinear Algebra</i> , 2015 , 63, 120-131	1.1	35
232	Linear operators and positive semidefiniteness of symmetric tensor spaces. <i>Science China Mathematics</i> , 2015 , 58, 197-212	0.8	12
231	The largest Laplacian and signless Laplacian H-eigenvalues of a uniform hypergraph. <i>Linear Algebra and Its Applications</i> , 2015 , 469, 1-27	0.9	40
230	The Laplacian of a uniform hypergraph. <i>Journal of Combinatorial Optimization</i> , 2015 , 29, 331-366	0.9	38
229	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	1.5	37
228	MB-tensors and MB0-tensors. <i>Linear Algebra and Its Applications</i> , 2015 , 484, 141-153	0.9	17
227	Three dimensional strongly symmetric circulant tensors. <i>Linear Algebra and Its Applications</i> , 2015 , 482, 207-220	0.9	4
226	Properties of Some Classes of Structured Tensors. <i>Journal of Optimization Theory and Applications</i> , 2015 , 165, 854-873	1.6	95
225	Positive definiteness and semi-definiteness of even order symmetric Cauchy tensors. <i>Journal of Industrial and Management Optimization</i> , 2015 , 11, 1263-1274	2	33
224	Hankel tensors: Associated Hankel matrices and Vandermonde decomposition. <i>Communications in Mathematical Sciences</i> , 2015 , 13, 113-125	1	32
223	An alternating structured trust region algorithm for separable optimization problems with nonconvex constraints. <i>Computational Optimization and Applications</i> , 2014 , 57, 365-386	1.4	3
222	Properties and methods for finding the best rank-one approximation to higher-order tensors. <i>Computational Optimization and Applications</i> , 2014 , 58, 105-132	1.4	3
221	Approximation Bounds for Trilinear and Biquadratic Optimization Problems Over Nonconvex Constraints. <i>Journal of Optimization Theory and Applications</i> , 2014 , 163, 841-858	1.6	2
220	Positive eigenvalue-eigenvector of nonlinear positive mappings. <i>Frontiers of Mathematics in China</i> , 2014 , 9, 181-199	0.8	6
219	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	1	53

218	An even order symmetric B tensor is positive definite. <i>Linear Algebra and Its Applications</i> , 2014 , 457, 303-312	3.2	57
217	Convergence of a second order Markov chain. <i>Applied Mathematics and Computation</i> , 2014 , 241, 183-192	2.7	14
216	The E-eigenvectors of tensors. <i>Linear and Multilinear Algebra</i> , 2014 , 62, 1388-1402	0.7	7
215	Geometric Measure of Entanglement and U-Eigenvalues of Tensors. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014 , 35, 73-87	1.5	27
214	$\$M\$$ -Tensors and Some Applications. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014 , 35, 437-452	1.5	161
213	Nonnegative Tensor Factorization, Completely Positive Tensors, and a Hierarchical Elimination Algorithm. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014 , 35, 1227-1241	1.5	43
212	Infinite and finite dimensional Hilbert tensors. <i>Linear Algebra and Its Applications</i> , 2014 , 451, 1-14	0.9	33
211	Regular uniform hypergraphs, s-cycles, s-paths and their largest Laplacian H-eigenvalues. <i>Linear Algebra and Its Applications</i> , 2014 , 443, 215-227	0.9	29
210	Space tensor conic programming. <i>Computational Optimization and Applications</i> , 2014 , 59, 307-319	1.4	3
209	Nonmonotone Barzilai-Borwein Gradient Algorithm for (ℓ_1) -Regularized Nonsmooth Minimization in Compressive Sensing. <i>Journal of Scientific Computing</i> , 2014 , 61, 17-41	2.3	12
208	Strictly nonnegative tensors and nonnegative tensor partition. <i>Science China Mathematics</i> , 2014 , 57, 181-195	1.95	49
207	H ⁺ -eigenvalues of Laplacian and signless Laplacian tensors. <i>Communications in Mathematical Sciences</i> , 2014 , 12, 1045-1064	1	83
206	Semi-infinite programming method for optimal power flow with transient stability and variable clearing time of faults. <i>Journal of Global Optimization</i> , 2013 , 55, 813-830	1.5	1
205	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	1.6	17
204	A successive approximation method for quantum separability. <i>Frontiers of Mathematics in China</i> , 2013 , 8, 1275-1293	0.8	6
203	l, k, s -Singular values and spectral radius of rectangular tensors. <i>Frontiers of Mathematics in China</i> , 2013 , 8, 63-83	0.8	5
202	Efficient algorithms for computing the largest eigenvalue of a nonnegative tensor. <i>Frontiers of Mathematics in China</i> , 2013 , 8, 155-168	0.8	15
201	M-tensors and nonsingular M-tensors. <i>Linear Algebra and Its Applications</i> , 2013 , 439, 3264-3278	0.9	166

200	The solution methods for the largest eigenvalue (singular value) of nonnegative tensors and convergence analysis. <i>Linear Algebra and Its Applications</i> , 2013 , 439, 3713-3733	0.9	12
199	A survey on the spectral theory of nonnegative tensors. <i>Numerical Linear Algebra With Applications</i> , 2013 , 20, 891-912	1.6	71
198	Spectral Properties of Positively Homogeneous Operators Induced by Higher Order Tensors. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2013 , 34, 1581-1595	1.5	40
197	The Z-eigenvalues of a symmetric tensor and its application to spectral hypergraph theory. <i>Numerical Linear Algebra With Applications</i> , 2013 , 20, 1001-1029	1.6	63
196	On the largest eigenvalue of a symmetric nonnegative tensor. <i>Numerical Linear Algebra With Applications</i> , 2013 , 20, 913-928	1.6	18
195	On determinants and eigenvalue theory of tensors. <i>Journal of Symbolic Computation</i> , 2013 , 50, 508-531	0.8	92
194	Nonnegative Diffusion Orientation Distribution Function. <i>Journal of Mathematical Imaging and Vision</i> , 2013 , 45, 103-113	1.6	30
193	Cored hypergraphs, power hypergraphs and their Laplacian H-eigenvalues. <i>Linear Algebra and Its Applications</i> , 2013 , 439, 2980-2998	0.9	70
192	Symmetric nonnegative tensors and copositive tensors. <i>Linear Algebra and Its Applications</i> , 2013 , 439, 228-238	0.9	129
191	A Cone Constrained Convex Program: Structure and Algorithms. <i>Journal of the Operations Research Society of China</i> , 2013 , 1, 37-53	1.3	4
190	The E-characteristic polynomial of a tensor of dimension 2. <i>Applied Mathematics Letters</i> , 2013 , 26, 225-231	1.5	4
189	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	0.9	21
188	Semismoothness of the maximum eigenvalue function of a symmetric tensor and its application. <i>Linear Algebra and Its Applications</i> , 2013 , 438, 813-833	0.9	21
187	On solving a class of linear semi-infinite programming by SDP method. <i>Optimization</i> , 2013 , 1-14	1.2	
186	The dominant eigenvalue of an essentially nonnegative tensor. <i>Numerical Linear Algebra With Applications</i> , 2013 , 20, 929-941	1.6	9
185	Finding the extreme Z-eigenvalues of tensors via a sequential semidefinite programming method. <i>Numerical Linear Algebra With Applications</i> , 2013 , 20, 972-984	1.6	25
184	An active-set projected trust-region algorithm with limited memory BFGS technique for box-constrained nonsmooth equations. <i>Optimization</i> , 2013 , 62, 857-878	1.2	4
183	E-characteristic polynomials of tensors. <i>Communications in Mathematical Sciences</i> , 2013 , 11, 33-53	1	15

182	Semidefinite relaxation approximation for multivariate bi-quadratic optimization with quadratic constraints. <i>Numerical Linear Algebra With Applications</i> , 2012 , 19, 113-131	1.6	9
181	A smoothing SQP method for nonlinear programs with stability constraints arising from power systems. <i>Computational Optimization and Applications</i> , 2012 , 51, 175-197	1.4	1
180	The cubic spherical optimization problems. <i>Mathematics of Computation</i> , 2012 , 81, 1513-1525	1.6	22
179	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	1.5	51
178	Algebraic connectivity of an even uniform hypergraph. <i>Journal of Combinatorial Optimization</i> , 2012 , 24, 564-579	0.9	81
177	The existence and uniqueness of eigenvalues for monotone homogeneous mapping pairs. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012 , 75, 5283-5293	1.3	3
176	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	1.6	45
175	Standard bi-quadratic optimization problems and unconstrained polynomial reformulations. <i>Journal of Global Optimization</i> , 2012 , 52, 663-687	1.5	8
174	Smooth and Semismooth Newton Methods for Constrained Approximation and Estimation. <i>Numerical Functional Analysis and Optimization</i> , 2012 , 33, 558-589	1	1
173	Positive definiteness of Diffusion Kurtosis Imaging. <i>Inverse Problems and Imaging</i> , 2012 , 6, 57-75	2.1	22
172	The Best Rank-One Approximation Ratio of a Tensor Space. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2011 , 32, 430-442	1.5	48
171	Semidefinite relaxation bounds for bi-quadratic optimization problems with quadratic constraints. <i>Journal of Global Optimization</i> , 2011 , 49, 293-311	1.5	11
170	A feasible direction method for the semidefinite program with box constraints. <i>Applied Mathematics Letters</i> , 2011 , 24, 1874-1881	3.5	7
169	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	4.8	35
168	Finding a stable solution of a system of nonlinear equations arising from dynamic systems. <i>Journal of Industrial and Management Optimization</i> , 2011 , 7, 497-521	2	2
167	Some results on $\ k\ $ -eigenvalues of tensor and related spectral radius. <i>Numerical Algebra, Control and Optimization</i> , 2011 , 1, 381-388	1.7	2
166	Global convergence of a filter-trust-region algorithm for solving nonsmooth equations. <i>International Journal of Computer Mathematics</i> , 2010 , 87, 788-796	1.2	4
165	Biquadratic Optimization Over Unit Spheres and Semidefinite Programming Relaxations. <i>SIAM Journal on Optimization</i> , 2010 , 20, 1286-1310	2	71

164	Higher Order Positive Semidefinite Diffusion Tensor Imaging. <i>SIAM Journal on Imaging Sciences</i> , 2010 , 3, 416-433	1.9	118
163	Finding the Largest Eigenvalue of a Nonnegative Tensor. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2010 , 31, 1090-1099	1.5	190
162	A NONMONOTONE FILTER BARZILAI-BORWEIN METHOD FOR OPTIMIZATION. <i>Asia-Pacific Journal of Operational Research</i> , 2010 , 27, 55-69	0.8	14
161	Singular values of a real rectangular tensor. <i>Journal of Mathematical Analysis and Applications</i> , 2010 , 370, 284-294	1.1	42
160	A new smoothing Newton-type algorithm for semi-infinite programming. <i>Journal of Global Optimization</i> , 2010 , 47, 133-159	1.5	16
159	Pseudotransient Continuation for Solving Systems of Nonsmooth Equations with Inequality Constraints. <i>Journal of Optimization Theory and Applications</i> , 2010 , 147, 223-242	1.6	2
158	Globally and superlinearly convergent inexact Newton-Krylov algorithms for solving nonsmooth equations. <i>Numerical Linear Algebra With Applications</i> , 2010 , 17, 155-174	1.6	3
157	Impulse noise removal by a nonmonotone adaptive gradient method. <i>Signal Processing</i> , 2010 , 90, 2891-2897	1.4	13
156	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	2.7	35
155	A nonmonotone globalization algorithm with preconditioned gradient path for unconstrained optimization. <i>Applied Mathematics and Computation</i> , 2010 , 217, 4257-4264	2.7	
154	Worst-case CVaR based portfolio optimization models with applications to scenario planning. <i>Optimization Methods and Software</i> , 2009 , 24, 933-958	1.3	14
153	A practical method for computing the largest M-eigenvalue of a fourth-order partially symmetric tensor. <i>Numerical Linear Algebra With Applications</i> , 2009 , 16, 589-601	1.6	72
152	Z-eigenvalue methods for a global polynomial optimization problem. <i>Mathematical Programming</i> , 2009 , 118, 301-316	2.1	105
151	Principal invariants and inherent parameters of diffusion kurtosis tensors. <i>Journal of Mathematical Analysis and Applications</i> , 2009 , 349, 165-180	1.1	27
150	On Nonmonotone Chambolle Gradient Projection Algorithms for Total Variation Image Restoration. <i>Journal of Mathematical Imaging and Vision</i> , 2009 , 35, 143-154	1.6	27
149	A smoothing projected Newton-type algorithm for semi-infinite programming. <i>Computational Optimization and Applications</i> , 2009 , 42, 1-30	1.4	22
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