Fuzhen Zhang

List of Publications by Year
in descending order

48	2,105	471509	233421
papers	citations	17	45
		h-index	g-index

50	50	50	1101
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enumerating extreme points of the polytopes of stochastic tensors: an optimization approach. Optimization, 2020, 69, 729-741.	1.7	0
2	Harnack type inequalities for matrices in majorization. Linear Algebra and Its Applications, 2020, 588, 196-209.	0.9	1
3	Inequalities for selected eigenvalues of the product of matrices. Proceedings of the American Mathematical Society, 2019, 147, 3705-3713.	0.8	4
4	The Permanent Functions of Tensors. Acta Mathematica Vietnamica, 2018, 43, 701-713.	0.4	5
5	An extension of Harnack type determinantal inequality. Linear and Multilinear Algebra, 2017, 65, 2024-2030.	1.0	2
6	On the number of vertices of the stochastic tensor polytope. Linear and Multilinear Algebra, 2017, 65, 2064-2075.	1.0	10
7	Angles, triangle inequalities, correlation matrices and metric-preserving and subadditive functions. Linear Algebra and Its Applications, 2016, 491, 15-29.	0.9	4
8	Polytopes of stochastic tensors. Annals of Functional Analysis, 2016, 7, 386-393.	0.8	10
9	An update on a few permanent conjectures. Special Matrices, 2016, 4, .	0.5	6
10	An inequality for tensor product of positive operators and its applications. Linear Algebra and Its Applications, 2016, 498, 99-105.	0.9	3
11	Positivity of partitioned Hermitian matrices with unitarily invariant norms. Positivity, 2015, 19, 439-444.	0.7	2
12	A matrix decomposition and its applications. Linear and Multilinear Algebra, 2015, 63, 2033-2042.	1.0	67
13	An analytic approach to a permanent conjecture. Linear Algebra and Its Applications, 2013, 438, 1570-1579.	0.9	6
14	Positivity of matrices with generalized matrix functions. Acta Mathematica Sinica, English Series, 2012, 28, 1779-1786.	0.6	11
15	A generalization of the complex Autonne–Takagi factorization to quaternion matrices. Linear and Multilinear Algebra, 2012, 60, 1239-1244.	1.0	34
16	Some inequalities of majorization type. Linear Algebra and Its Applications, 2012, 437, 1305-1316.	0.9	9
17	Contractive matrices of Hua type. Linear and Multilinear Algebra, 2011, 59, 159-172.	1.0	10
18	On the unitary diagonalisation of a special class of quaternion matrices. Applied Mathematics Letters, 2011, 24, 1806-1809.	2.7	71

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19	On the eigenvalues of quaternion matrices. Linear and Multilinear Algebra, 2011, 59, 451-473.	1.0	37
20	Matrix Theory. Universitext, 2011, , .	0.2	284
21	Criteria and Schur complements of H-matrices. Journal of Applied Mathematics and Computing, 2010, 32, 119-133.	2.5	2
22	Revisiting hua-marcus-bellman-ando inequalities on contractive matrices. Linear Algebra and Its Applications, 2009, 430, 1499-1508.	0.9	8
23	An operator equality involving a continuous field of operators and its norm inequalities. Linear Algebra and Its Applications, 2008, 429, 2159-2167.	0.9	2
24	GerÅ¡gorin type theorems for quaternionic matrices. Linear Algebra and Its Applications, 2007, 424, 139-153.	0.9	57
25	On the Bohr inequality of operators. Journal of Mathematical Analysis and Applications, 2007, 333, 1264-1271.	1.0	19
26	Disc Separation of the Schur Complement of Diagonally Dominant Matrices and Determinantal Bounds. SIAM Journal on Matrix Analysis and Applications, 2005, 27, 665-674.	1.4	39
27	The Schur complements of generalized doubly diagonally dominant matrices. Linear Algebra and Its Applications, 2004, 378, 231-244.	0.9	38
28	A Matrix Identity on the Schur Complement. Linear and Multilinear Algebra, 2004, 52, 367-373.	1.0	3
29	JORDAN CANONICAL FORM OF A PARTITIONED COMPLEX MATRIX AND ITS APPLICATION TO REAL QUATERNION MATRICES. Communications in Algebra, 2001, 29, 2363-2375.	0.6	26
30	Equivalence of the wielandt inequality and the kantorovich inequality. Linear and Multilinear Algebra, 2001, 48, 275-279.	1.0	12
31	Schur complements and matrix inequalities in the LÃ¶wner ordering. Linear Algebra and Its Applications, 2000, 321, 399-410.	0.9	17
32	On the Hadamard product of inverse M-matrices. Linear Algebra and Its Applications, 2000, 305, 23-31.	0.9	24
33	Some inequalities on generalized Schur complements. Linear Algebra and Its Applications, 1999, 302-303, 163-172.	0.9	15
34	Matrix Theory. Universitext, 1999, , .	0.2	281
35	On the precise number of (0,1)-matrices in <math display="inline" altimg="s1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	0.7	45
36	On normal matrices of zeros and ones with fixed row sum. Linear Algebra and Its Applications, 1998, 275-276, 617-626.	0.9	3

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37	Schur complements and matrix inequalities of hadamard products*. Linear and Multilinear Algebra, 1997, 43, 315-326.	1.0	24
38	Sign patterns of nonnegative normal matrices. Linear Algebra and Its Applications, 1997, 254, 335-354.	0.9	14
39	Quaternions and matrices of quaternions. Linear Algebra and Its Applications, 1997, 251, 21-57.	0.9	761
40	An operator inequality and matrix normality. Linear Algebra and Its Applications, 1996, 240, 105-110.	0.9	9
41	Words and normality of matrices. Linear and Multilinear Algebra, 1995, 40, 111-118.	1.0	9
42	Trace and Eigenvalue Inequalities for Ordinary and Hadamard Products of Positive Semidefinite Hermitian Matrices. SIAM Journal on Matrix Analysis and Applications, 1995, 16, 1173-1183.	1.4	20
43	A Trace Inequality for Unitary Matrices. American Mathematical Monthly, 1994, 101, 453-455.	0.3	10
44	The numerical range of normal matrices with quaternion entries. Linear and Multilinear Algebra, 1994, 37, 175-195.	1.0	28
45	Some inequalities for the eigenvalues of the product of positive semidefinite Hermitian matrices. Linear Algebra and Its Applications, 1992, 160, 113-118.	0.9	42
46	Notes on hadamard products of matrices. Linear and Multilinear Algebra, 1989, 25, 237-242.	1.0	9
47	Some matrix inequalities of log-majorization type. Canadian Mathematical Bulletin, 0, , 1-11.	0.5	1
48	Inequalities of generalized matrix functions via tensor products. Electronic Journal of Linear Algebra, 0, 27, .	0.6	8