

Raymond Nung-Sing Sze

List of Publications by Year in descending order

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54
all docs

54
docs citations

54
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Canonical forms, higher rank numerical ranges, totally isotropic subspaces, and matrix equations. Proceedings of the American Mathematical Society, 2008, 136, 3013-3023.	0.4	58
2	Mappings preserving spectra of products of matrices. Proceedings of the American Mathematical Society, 2007, 135, 977-977.	0.4	44
3	Maps preserving the nilpotency of products of operators. Linear Algebra and Its Applications, 2007, 424, 222-239.	0.4	44
4	Mappings on matrices: invariance of functional values of matrix products. Journal of the Australian Mathematical Society, 2006, 81, 165-184.	0.3	39
5	Condition for the higher rank numerical range to be non-empty. Linear and Multilinear Algebra, 2009, 57, 365-368.	0.5	38
6	The automorphism group of separable states in quantum information theory. Journal of Mathematical Physics, 2011, 52, .	0.5	36
7	Determinantal and eigenvalue inequalities for matrices with numerical ranges in a sector. Journal of Mathematical Analysis and Applications, 2014, 410, 487-491.	0.5	24
8	The Kemeny Constant for Finite Homogeneous Ergodic Markov Chains. Journal of Scientific Computing, 2010, 45, 151-166.	1.1	23
9	Graphs associated with matrices over finite fields and their endomorphisms. Linear Algebra and Its Applications, 2014, 447, 2-25.	0.4	20
10	Higher rank numerical ranges and low rank perturbations of quantum channels. Journal of Mathematical Analysis and Applications, 2008, 348, 843-855.	0.5	19
11	Linear preservers and quantum information science. Linear and Multilinear Algebra, 2013, 61, 1377-1390.	0.5	19
12	Isometries for unitarily invariant norms. Linear Algebra and Its Applications, 2005, 399, 53-70.	0.4	18
13	Preservers for norms of Lie product. Operators and Matrices, 2009, , 187-203.	0.1	18
14	On optimal condition numbers for Markov chains. Numerische Mathematik, 2008, 110, 521-537.	0.9	16
15	On the inverse mean first passage matrix problem and the inverse M-matrix problem. Linear Algebra and Its Applications, 2011, 434, 1620-1630.	0.4	16
16	Efficient quantum error correction for fully correlated noise. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3255-3258.	0.9	16
17	Higher Rank Numerical Ranges of Normal Matrices. SIAM Journal on Matrix Analysis and Applications, 2011, 32, 23-43.	0.7	15
18	Maps preserving matrix pairs with zero Jordan product. Linear and Multilinear Algebra, 2011, 59, 507-529.	0.5	14

#	ARTICLE	IF	CITATIONS
19	Physical transformations between quantum states. <i>Journal of Mathematical Physics</i> , 2012, 53, .	0.5	13
20	A new criterion and a special class of k -positive maps. <i>Linear Algebra and Its Applications</i> , 2015, 470, 51-69.	0.4	13
21	Elliptical range theorems for generalized numerical ranges of quadratic operators. <i>Rocky Mountain Journal of Mathematics</i> , 2011, 41, .	0.2	12
22	Linear preservers of tensor product of unitary orbits, and product numerical range. <i>Linear Algebra and Its Applications</i> , 2013, 438, 3797-3803.	0.4	12
23	Regular matrices and their strong preservers over semirings. <i>Linear Algebra and Its Applications</i> , 2008, 429, 209-223.	0.4	11
24	Ranks and determinants of the sum of matrices from unitary orbits. <i>Linear and Multilinear Algebra</i> , 2008, 56, 105-130.	0.5	10
25	Characterizations of inverse M -matrices with special zero patterns. <i>Linear Algebra and Its Applications</i> , 2010, 433, 994-1000.	0.4	10
26	Recursive encoding and decoding of the noiseless subsystem and decoherence-free subspace. <i>Physical Review A</i> , 2011, 84, .	1.0	10
27	A note on the realignment criterion. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 315304.	0.7	9
28	Linear Maps Preserving Ky Fan Norms and Schatten Norms of Tensor Products of Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2013, 34, 673-685.	0.7	9
29	Linear maps preserving the higher numerical ranges of tensor products of matrices. <i>Linear and Multilinear Algebra</i> , 2014, 62, 776-791.	0.5	9
30	On injective Jordan semi-triple maps of matrix algebras. <i>Linear Algebra and Its Applications</i> , 2006, 414, 383-388.	0.4	8
31	Eigenvalues of the Sum of Matrices from Unitary Similarity Orbits. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2008, 30, 560-581.	0.7	8
32	Additive rank-one preservers between spaces of rectangular matrices. <i>Linear and Multilinear Algebra</i> , 2005, 53, 417-425.	0.5	7
33	Linear maps preserving numerical radius of tensor products of matrices. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 407, 183-189.	0.5	7
34	Isometries for Ky Fan norms between matrix spaces. <i>Proceedings of the American Mathematical Society</i> , 2004, 133, 369-377.	0.4	6
35	Every invertible matrix is diagonally equivalent to a matrix with distinct eigenvalues. <i>Linear Algebra and Its Applications</i> , 2012, 436, 3773-3776.	0.4	6
36	Convexity and star-shapedness of matricial range. <i>Journal of Functional Analysis</i> , 2018, 275, 2497-2515.	0.7	6

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37	Unitary similarity invariant function preservers of skew products of operators. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 454, 716-729.	0.5	6
38	Optimization of the spectral radius of a product for nonnegative matrices. <i>Linear Algebra and Its Applications</i> , 2009, 430, 1442-1451.	0.4	4
39	Products of positive semi-definite matrices. <i>Linear Algebra and Its Applications</i> , 2017, 528, 17-24.	0.4	4
40	Multiplicative maps preserving the higher rank numerical ranges and radii. <i>Linear Algebra and Its Applications</i> , 2010, 432, 2729-2738.	0.4	3
41	Generalized interlacing inequalities. <i>Linear and Multilinear Algebra</i> , 2012, 60, 1245-1254.	0.5	3
42	Entanglement transformation between sets of bipartite pure quantum states using local operations. <i>Journal of Mathematical Physics</i> , 2012, 53, 122201.	0.5	3
43	Linear rank preservers of tensor products of rank one matrices. <i>Linear Algebra and Its Applications</i> , 2016, 508, 255-271.	0.4	3
44	Linear maps transforming H-unitary matrices. <i>Linear Algebra and Its Applications</i> , 2004, 377, 111-124.	0.4	2
45	Linear maps transforming the higher numerical ranges. <i>Linear Algebra and Its Applications</i> , 2005, 400, 291-311.	0.4	2
46	Preservers of eigenvalue inclusion sets of matrix products. <i>Linear Algebra and Its Applications</i> , 2011, 434, 285-293.	0.4	2
47	Recursive encoding and decoding of the noiseless subsystem for qudits. <i>Physical Review A</i> , 2014, 89, .	1.0	2
48	Automorphisms of certain groups and semigroups of matrices. <i>Linear Algebra and Its Applications</i> , 2006, 412, 490-525.	0.4	1
49	A note on the perturbation of positive matrices by normal and unitary matrices. <i>Linear Algebra and Its Applications</i> , 2008, 428, 224-229.	0.4	1
50	Induced metric and matrix inequalities on unitary matrices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 095201.	0.7	1
51	Conditions for degradability of tripartite quantum states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 115306.	0.7	1
52	Maximal noiseless code rates for collective rotation channels on qudits. <i>Quantum Information Processing</i> , 2015, 14, 4039-4055.	1.0	1
53	Inclusion Regions for Numerical Ranges and Linear Preservers. <i>Linear and Multilinear Algebra</i> , 2004, 52, 235-249.	0.5	0
54	The Cuntz Comparison in the Standard C^* -Algebra. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-4.	0.3	0