Sivakumar Kc

List of Publications by Year
in descending order

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71	269	1162367 8	1125271 13
papers	citations	h-index	g-index

73	73	73	95
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review of infinite matrices and their applications. Linear Algebra and Its Applications, 2009, 430, 976-998.	0.4	31
2	On splittings of matrices and nonnegative generalized inverses. Operators and Matrices, 2012, , 85-95.	0.1	19
3	Pâ€-matrices: a generalization ofP-matrices. Linear and Multilinear Algebra, 2014, 62, 1-12.	0.5	15
4	Nonnegative Mooreâ€“Penrose inverses of Gram operators. Linear Algebra and Its Applications, 2007, 422, 471-476.	0.4	13
5	Comparison theorems for a subclass of proper splittings of matrices. Applied Mathematics Letters, 2012, 25, 2339-2343.	1.5	13
6	Semipositive matrices and their semipositive cones. Positivity, 2018, 22, 379-398.	0.3	13
7	Moore-Penrose inverse in an indefinite inner product space. Journal of Applied Mathematics and Computing, 2005, 19, 297-310.	1.2	12
8	Infinite Matrices and Their Recent Applications. , 2016, , .		10
9	Applications of generalized inverses to interval linear programs in hilbert spaces. Numerical Functional Analysis and Optimization, 1995, 16, 965-973.	0.6	8
10	Proof by Verification of the Greville/Udwadia/Kalaba Formula for the Moore-Penrose Inverse of a Matrix. Journal of Optimization Theory and Applications, 2006, 131, 307-311.	0.8	8
11	Mooreâ€“Penrose inverse of an invertible infinite matrix. Linear and Multilinear Algebra, 2006, 54, 71-77.	0.5	7
12	Nonnegative Moore-Penrose inverses of operators over Hilbert spaces. Positivity, 2008, 12, 475-481.	0.3	7
13	A new characterization of nonnegativity of Moore-Penrose inverses of Gram operators. Positivity, 2009, 13, 277-286.	0.3	7
14	Generalized inverses of an invertible infinite matrix. Linear and Multilinear Algebra, 2006, 54, 113-122.	0.5	6
15	Theorems of the Alternative over Indefinite Inner Product Spaces. Journal of Optimization Theory and Applications, 2008, 137, 99-104.	0.8	6
16	Moore-Penrose Inverse of a Gram Matrix andÂItsÂNonnegativity. Journal of Optimization Theory and Applications, 2008, 139, 201-207.	0.8	6
17	Mooreâ€“Penrose inverse positivity of interval matrices. Linear Algebra and Its Applications, 2012, 436, 571-578.	0.4	6
18	Generalizations of matrix monotonicity and their relationships with certain subclasses of proper splittings. Linear Algebra and Its Applications, 2012, 436, 2604-2614.	0.4	6

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19	Complementarity properties of singular M-matrices. Linear Algebra and Its Applications, 2016, 510, 42-63.	0.4	6
20	Nonnegative generalized inverses and least elements of polyhedral sets. Linear Algebra and Its Applications, 2011, 434, 2448-2455.	0.4	5
21	Nonnegative Moore-Penrose Inverse of Gram Matrices in an Indefinite Inner Product Space. Journal of Optimization Theory and Applications, 2009, 140, 189-196.	0.8	4
22	On partial orders of Hilbert space operators. Linear and Multilinear Algebra, 2015, 63, 1423-1441.	0.5	4
23	Explicit solutions of infinite quadratic programs. Journal of Applied Mathematics and Computing, 2003, 12, 211-218.	1.2	3
24	Weak monotonicity of A versus {1}-inverses nonnegative on the range space of A. Linear Algebra and Its Applications, 2007, 427, 171-175.	0.4	3
25	A dominance notion for singular matrices with applications to nonnegative generalized inverses. Linear and Multilinear Algebra, 2012, 60, 911-920.	0.5	3
26	On inverse-positivity of sub-direct sums of matrices. Linear Algebra and Its Applications, 2013, 439, 1670-1677.	0.4	3
27	On Certain Positivity Classes of Operators. Numerical Functional Analysis and Optimization, 2016, 37, 206-224.	0.6	3
28	Singular irreducible M-matrices revisited. Linear Algebra and Its Applications, 2019, 565, 47-64.	0.4	3
29	Matrices whose group inverses are M-matrices. Linear Algebra and Its Applications, 2021, 614, 44-67.	0.4	3
30	Linear maps preserving the Lorentz-cone spectrum in certain subspaces of $$M_{n}$$. Banach Journal of Mathematical Analysis, 2021, 15, 1.	0.4	3
31	Nonnegative generalized inverses and certain subclasses of singular Q -matrices. Linear Algebra and Its Applications, 2013, 438, 4701-4708.	0.4	2
32	Tucker's theorem for almost skew-symmetric matrices and a proof of Farkas' lemma. Linear Algebra and Its Applications, 2015, 482, 55-69.	0.4	2
33	Extensions of Perronâ€“Frobenius splittings and relationships with nonnegative Mooreâ€“Penrose inverses. Linear and Multilinear Algebra, 2015, 63, 1-11.	0.5	2
34	An extension of a matrix inequality of Thompson. Linear Algebra and Its Applications, 2017, 535, 151-159.	0.4	2
35	Applications of nonnegative operators to a class of optimization problems. , 0, , .		2
36	M-matrix and inverse M-matrix extensions. Special Matrices, 2020, 8, 186-203.	0.2	2

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37	Group inverses of matrices associated with certain graph classes. Electronic Journal of Linear Algebra, 0, , 204-220.	0.6	2
38	Explicit Solvability of Dual Pairs of Infinite Linear Programs. Opsearch, 2005, 42, 288-296.	1.1	1
39	Generalized inverses of an invertible infinite matrix over a finite field. Linear Algebra and Its Applications, 2006, 418, 468-479.	0.4	1
40	Linear Optimization with Box Constraints in Banach Spaces. Journal of Optimization Theory and Applications, 2009, 141, 377-387.	0.8	1
41	On Nonnegative Moore-Penrose Inverses of Perturbed Matrices. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.4	1
42	Vanishing pseudoâ€“Schur complements, reverse order laws, absorption laws and inheritance properties. Linear and Multilinear Algebra, 2018, 66, 167-183.	0.5	1
43	Inverse H-matrices. Linear Algebra and Its Applications, 2019, 572, 1-31.	0.4	1
44	Inequalities for group invertible H-matrices. Linear Algebra and Its Applications, 2019, 576, 158-180.	0.4	1
45	Some characterizations of cone preserving Z-transformations. Annals of Operations Research, 2020, 287, 727-736.	2.6	1
46	T. Parthasarathyâ€™s contributions to complementarity problems: a survey. Annals of Operations Research, 2020, 287, 867-894.	2.6	1
47	Matrices with positive semidefinite real part. Linear and Multilinear Algebra, 2021, 69, 448-470.	0.5	1
48	Karamardian Matrices: An Analogue of Q-Matrices. Electronic Journal of Linear Algebra, 2021, 37, 127-155.	0.6	1
49	Q#-matrices and Qâ€-matrices: two extensions of the Q-matrix concept. Linear and Multilinear Algebra, 0, , 1-18.	0.5	1
50	Mooreâ€“Penrose Inverse of Perturbed Operators on Hilbert Spaces. , 2013, , 119-131.		1
51	Sub-direct sum of operators on Hilbert spaces and nonnegative Moore–Penrose inverses. Acta Scientiarum Mathematicarum, 2015, 81, 215-240.	0.2	1
52	Extensions of P-property, R0-property and semidefinite linear complementarity problems. Yugoslav Journal of Operations Research, 2017, 27, 135-151.	0.5	1
53	Nesbitt and Shapiro cyclic sum inequalities for positive definite matrices. Advances in Operator Theory, 2022, 7, 1.	0.3	1
54	On the Mooreâ€“Penrose inverse of a sum of matrices. Linear and Multilinear Algebra, 2023, 71, 133-149.	0.5	1

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55	Group inverses of adjacency matrices of cycles, wheels and brooms. Computational and Applied Mathematics, 2022, 41, .	1.0	1
56	Generalized inverses of tridiagonal operators. Applied Mathematics and Computation, 2007, 189, 1300-1303.	1.4	0
57	A characterization for âˆ—-isomorphisms in an indefinite inner product space. Journal of Mathematical Analysis and Applications, 2007, 329, 1139-1144.	0.5	0
58	Advances in Matrices, Finite and Infinite, with Applications. Journal of Applied Mathematics, 2013, 2013, 1-3.	0.4	0
59	STEIN LINEAR PROGRAMS OVER SYMMETRIC CONES. International Game Theory Review, 2013, 15, 1340033.	0.3	0
60	Advances in Matrices, Finite and Infinite, with Applications 2014. Journal of Applied Mathematics, 2014, 2014, 1-1.	0.4	0
61	Singular M-matrices which may not have a nonnegative generalized inverse. Special Matrices, 2014, 2, .	0.2	0
62	Generalized Inverses: Real or Complex Field. , 2016, , 41-48.		0
63	Inheritance and inverse monotonicity properties of copositive matrices. Linear and Multilinear Algebra, 2017, 65, 897-908.	0.5	0
64	Preface: International conference on game theory and optimization, June 6â€“10, 2016, Indian Institute of Technology Madras, Chennai, India. Annals of Operations Research, 2020, 287, 565-572.	2.6	0
65	Singular irreducible M-operators on ordered Banach spaces. Journal of Analysis, 2021, 29, 407-423.	0.3	0
66	Intervals of H-matrices and inverse M-matrices. Linear Algebra and Its Applications, 2021, 614, 24-43.	0.4	0
67	On the matrix class Q0 and inverse monotonicity properties of bordered matrices. Linear Algebra and Its Applications, 2021, 612, 206-222.	0.4	0
68	International Conference cum workshop on Analysis and its Applications June 18â€“22, 2018 Indian Institute of Technology Madras, Chennai, India. Journal of Analysis, 2021, 29, 359-367.	0.3	0
69	Infinite Linear Programming. , 2016, , 87-92.		0
70	M-Matrices over Infinite Dimensional Spaces. , 2016, , 73-85.		0
71	On the Hadamard product A A, for a singular M-matrix A. Linear and Multilinear Algebra, 0, , 1-11.	0.5	0