Susana Furtado

List of Publications by Year
in descending order

50 papers	303 citations	1039406 9 h-index	996533 15 g-index
50 all docs	50 docs citations	50 times ranked	78 citing authors

#	Article	IF	Citations
1	A generalization of Sylvester's law of inertia. Linear Algebra and Its Applications, 2001, 338, 287-290.	0.4	30
2	Spectral variation under congruence. Linear and Multilinear Algebra, 2001, 49, 243-259.	0.5	24
3	Structured strong linearizations from Fiedler pencils with repetition I. Linear Algebra and Its Applications, 2014, 460, 51-80.	0.4	22
4	Large vector spaces of block-symmetric strong linearizations of matrix polynomials. Linear Algebra and Its Applications, 2015, 477, 165-210.	0.4	21
5	Palindromic linearizations of a matrix polynomial of odd degreee obtained from Fiedler pencils with repetition. Electronic Journal of Linear Algebra, 0, 23, .	0.6	20
6	Spectral variation under congruence for a nonsingular matrix with 0 on the boundary of its field of values. Linear Algebra and Its Applications, 2003, 359, 67-78.	0.4	15
7	Embedding a regular subpencil into a general linear pencil. Linear Algebra and Its Applications, 1999, 295, 61-72.	0.4	14
8	Structured strong linearizations from Fiedler pencils with repetition II. Linear Algebra and Its Applications, 2014, 463, 282-321.	0.4	13
9	On the characteristic polynomial of matrices with prescribed rows. Linear Algebra and Its Applications, 1999, 293, 51-72.	0.4	11
10	Linear preservers of copositive matrices. Linear and Multilinear Algebra, 2021, 69, 1779-1788.	0.5	11
11	Minimal matrices in the Bruhat order for symmetric (0,1)-matrices. Linear Algebra and Its Applications, 2017, 530, 160-184.	0.4	10
12	A block-symmetric linearization of odd degree matrix polynomials with optimal eigenvalue condition number and backward error. Calcolo, 2018, 55, 1.	0.6	9
13	On the Bruhat order of labeled graphs. Discrete Applied Mathematics, 2019, 258, 49-64.	0.5	9
14	Efficiency of the principal eigenvector of some triple perturbed consistent matrices. European Journal of Operational Research, 2022, 298, 1007-1015.	3.5	9
15	Structured distance to normality of tridiagonal matrices. Linear Algebra and Its Applications, 2018, 552, 239-255.	0.4	8
16	Linearizations of Hermitian Matrix Polynomials Preserving the Sign Characteristic. SIAM Journal on Matrix Analysis and Applications, 2017, 38, 249-272.	0.7	7
17	Products of two involutions with prescribed eigenvalues and some applications. Linear Algebra and Its Applications, 2008, 429, 1663-1678.	0.4	6
18	An algorithm for constructing a pseudoâ€Jacobi matrix from given spectral data. Numerical Linear Algebra With Applications, 2013, 20, 185-197.	0.9	6

#	Article	IF	Citations
19	Products of matrices with prescribed spectra and ranks. Linear Algebra and Its Applications, 2002, 340, 137-147.	0.4	5
20	A reducing approach for symmetrically sparse banded and anti-banded matrices. Linear Algebra and Its Applications, 2019, 581, 36-50.	0.4	4
21	Efficient vectors for simple perturbed consistent matrices. International Journal of Approximate Reasoning, 2021, 139, 54-68.	1.9	4
22	Products of Real Matrices with Prescribed Characteristic Polynomials. SIAM Journal on Matrix Analysis and Applications, 2002, 23, 656-672.	0.7	3
23	Congruential automorphism groups of general matrices. Linear Algebra and Its Applications, 2004, 376, 291-298.	0.4	3
24	Congruence of Hermitian matrices by Hermitian matrices. Linear Algebra and Its Applications, 2007, 425, 63-76.	0.4	3
25	Analogs of Cauchyâ€“PoincarÃ© and Fanâ€“Pall interlacing theorems for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>J</mml:mi></mml:mrow></mml:math>-Hermitian and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mrow><mml:mi>J</mml:mi></mml:mrow></mml:math>-normal matrices. Linear Algebra and Its Applications, 2010, 433, 80-90.	0.4	3
26	Reciprocal matrices: properties and approximation by a transitive matrix. Computational and Applied Mathematics, 2020, 39, 1.	1.0	3
27	Extremal matrices for the Bruhat-graph order. Linear and Multilinear Algebra, 2021, 69, 1255-1274.	0.5	3
28	Linear maps preserving the Lorentz-cone spectrum in certain subspaces of $$M_{n}$$. Banach Journal of Mathematical Analysis, 2021, 15, 1.	0.4	3
29	On the number of unitary similarity classes in a C-S equivalence class: the normal case. Linear Algebra and Its Applications, 2002, 348, 193-202.	0.4	2
30	Perturbation of Matrices Diagonalizable under Congruence. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 81-88.	0.7	2
31	Order invariant spectral properties for several matrices. Linear Algebra and Its Applications, 2010, 432, 1950-1960.	0.4	2
32	On the eigenvalues of principal submatrices of J-normal matrices. Linear Algebra and Its Applications, 2011, 435, 3101-3114.	0.4	2
33	On the similarity classes among products of m nonsingular matrices in various orders. Linear Algebra and Its Applications, 2014, 450, 217-242.	0.4	2
34	On the sign characteristic of Hermitian linearizations in DL(P). Linear Algebra and Its Applications, 2017, 519, 73-101.	0.4	2
35	Remarks on anti-tridiagonal matrices. Applied Mathematics and Computation, 2020, 373, 125008.	1.4	2
36	Efficient vectors for double perturbed consistent matrices. Optimization, 2023, 72, 2679-2701.	1.0	2

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37	On similarity invariants of matrix commutators. Linear Algebra and Its Applications, 2001, 335, 81-93.	0.4	1
38	Eigenvalues of products of matrices. Linear and Multilinear Algebra, 2006, 54, 343-353.	0.5	1
39	Congruence and $A^{-1}A^*$. Portugaliae Mathematica, 2007, 64, 237-251.	0.4	1
40	Variation in Jordan structure under congruence: the nonsingular case. Linear and Multilinear Algebra, 2009, 57, 29-54.	0.5	1
41	Large a quasi-Jacobi form for J-normal matrices and inverse eigenvalue problems. Linear Algebra and Its Applications, 2012, 436, 1739-1753.	0.4	1
42	Submatrix monotonicity of the Perron root, II. Linear Algebra and Its Applications, 2014, 458, 679-688.	0.4	1
43	Nearness results for real tridiagonal 2â€Toeplitz matrices. Numerical Linear Algebra With Applications, 2019, 26, e2257.	0.9	1
44	Approximations for von Neumann and Renyi entropies of graphs using the Euler-Maclaurin formula. Electronic Transactions on Numerical Analysis, 0, 48, 227-242.	0.0	1
45	Unitary similarity classes within the cospectral-congruence class of a matrix. Linear Algebra and Its Applications, 2005, 394, 291-307.	0.4	0
46	On similarity invariants of matrix commutators and Jordan products. Linear Algebra and Its Applications, 2005, 401, 453-466.	0.4	0
47	Variation in Jordan structure under congruence: The Nilpotent case. Linear Algebra and Its Applications, 2008, 429, 1970-1982.	0.4	0
48	Comparison on the spectral radii of weighted digraphs that differ in a certain subdigraph. Electronic Notes in Discrete Mathematics, 2016, 54, 85-90.	0.4	0
49	Approximating the eigenvalues and eigenvectors of birth and death matrices. Computational and Applied Mathematics, 2020, 39, 1.	1.0	0
50	Power normal matrices. Linear and Multilinear Algebra, 0, , 1-10.	0.5	0