D Steven Mackey

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9695760/publications.pdf

Version: 2024-02-01

28	1,259	394421	610901
papers	citations	19 h-index	24 g-index

28	28	28	340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Van Dooren's Index Sum Theorem and Rational Matrices with Prescribed Structural Data. SIAM Journal on Matrix Analysis and Applications, 2019, 40, 720-738.	1.4	2
2	Quadratic realizability of palindromic matrix polynomials. Linear Algebra and Its Applications, 2019, 567, 202-262.	0.9	1
3	Linearizations of matrix polynomials in Newton bases. Linear Algebra and Its Applications, 2018, 556, 1-45.	0.9	4
4	Linearizations of matrix polynomials in Bernstein bases. Linear Algebra and Its Applications, 2016, 501, 162-197.	0.9	11
5	Polynomial zigzag matrices, dual minimal bases, and the realization of completely singular polynomials. Linear Algebra and Its Applications, 2016, 488, 460-504.	0.9	10
6	MÃ¶bius transformations of matrix polynomials. Linear Algebra and Its Applications, 2015, 470, 120-184.	0.9	36
7	Polynomial Eigenvalue Problems: Theory, Computation, and Structure. , 2015, , 319-348.		8
8	Spectral equivalence of matrix polynomials and the Index Sum Theorem. Linear Algebra and Its Applications, 2014, 459, 264-333.	0.9	70
9	The continuing influence of Fiedlerâ€™s work on companion matrices. Linear Algebra and Its Applications, 2013, 439, 810-817.	0.9	9
10	Skew-symmetric matrix polynomials and their Smith forms. Linear Algebra and Its Applications, 2013, 438, 4625-4653.	0.9	26
11	Fiedler companion linearizations for rectangular matrix polynomials. Linear Algebra and Its Applications, 2012, 437, 957-991.	0.9	35
12	Palindromic companion forms for matrix polynomials of odd degree. Journal of Computational and Applied Mathematics, 2011, 236, 1464-1480.	2.0	32
13	Jordan structures of alternating matrix polynomials. Linear Algebra and Its Applications, 2010, 432, 867-891.	0.9	33
14	Fiedler Companion Linearizations and the Recovery of Minimal Indices. SIAM Journal on Matrix Analysis and Applications, 2010, 31, 2181-2204.	1.4	75
15	Numerical methods for palindromic eigenvalue problems: Computing the antiâ€triangular Schur form. Numerical Linear Algebra With Applications, 2009, 16, 63-86.	1.6	40
16	Definite Matrix Polynomials and their Linearization by Definite Pencils. SIAM Journal on Matrix Analysis and Applications, 2009, 31, 478-502.	1.4	27
17	Scaling, sensitivity and stability in the numerical solution of quadratic eigenvalue problems. International Journal for Numerical Methods in Engineering, 2008, 73, 344-360.	2.8	41
18	Structured Mapping Problems for Matrices Associated with Scalar Products. Part I: Lie and Jordan Algebras. SIAM Journal on Matrix Analysis and Applications, 2008, 29, 1389-1410.	1.4	23

#	Article	IF	Citations
19	Symmetric Linearizations for Matrix Polynomials. SIAM Journal on Matrix Analysis and Applications, 2007, 29, 143-159.	1.4	93
20	Vector Spaces of Linearizations for Matrix Polynomials. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 971-1004.	1.4	212
21	The Conditioning of Linearizations of Matrix Polynomials. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 1005-1028.	1.4	83
22	Structured Polynomial Eigenvalue Problems: Good Vibrations from Good Linearizations. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 1029-1051.	1.4	216
23	Structured Factorizations in Scalar Product Spaces. SIAM Journal on Matrix Analysis and Applications, 2005, 27, 821-850.	1.4	53
24	Functions Preserving Matrix Groups and Iterations for the Matrix Square Root. SIAM Journal on Matrix Analysis and Applications, 2005, 26, 849-877.	1.4	44
25	Computing the Polar Decomposition and the Matrix Sign Decomposition in Matrix Groups. SIAM Journal on Matrix Analysis and Applications, 2004, 25, 1178-1192.	1.4	30
26	Hamiltonian square roots of skew-Hamiltonian matrices. Linear Algebra and Its Applications, 1999, 287, 125-159.	0.9	42
27	Minimal indices and minimal bases via filtrations. Electronic Journal of Linear Algebra, 0, 37, 276-294.	0.6	3
28	Quadratic realizability of palindromic matrix polynomials: the real case. Linear and Multilinear Algebra, 0, , 1-45.	1.0	0