

Jennifer Pestana

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Natural Preconditioning and Iterative Methods for Saddle Point Systems. <i>SIAM Review</i> , 2015, 57, 71-91.	4.2	57
2	On the Existence and Uniqueness of the Eigenvalue Decomposition of a Parahermitian Matrix. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 2659-2672.	3.2	48
3	Preconditioning and Iterative Solution of All-at-Once Systems for Evolutionary Partial Differential Equations. <i>SIAM Journal of Scientific Computing</i> , 2018, 40, A1012-A1033.	1.3	43
4	Corrections to "On the Existence and Uniqueness of the Eigenvalue Decomposition of a Parahermitian Matrix" [May 18 2659-2672]. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 6325-6327.	3.2	29
5	A Preconditioned MINRES Method for Nonsymmetric Toeplitz Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2015, 36, 273-288.	0.7	28
6	Preconditioners for Krylov subspace methods: An overview. <i>GAMM Mitteilungen</i> , 2020, 43, e202000015.	2.7	21
7	Iterative Approximation of Analytic Eigenvalues of a Parahermitian Matrix EVD. , 2019, , .		16
8	Some observations on weighted GMRES. <i>Numerical Algorithms</i> , 2014, 67, 733-752.	1.1	14
9	Combination preconditioning of saddle point systems for positive definiteness. <i>Numerical Linear Algebra With Applications</i> , 2013, 20, 785-808.	0.9	13
10	GMRES convergence bounds that depend on the right-hand-side vector. <i>IMA Journal of Numerical Analysis</i> , 2014, 34, 462-479.	1.5	12
11	The Antitriangular Factorization of Saddle Point Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014, 35, 339-353.	0.7	12
12	Preconditioners for Symmetrized Toeplitz and Multilevel Toeplitz Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2019, 40, 870-887.	0.7	12
13	On the choice of preconditioner for minimum residual methods for non-Hermitian matrices. <i>Journal of Computational and Applied Mathematics</i> , 2013, 249, 57-68.	1.1	11
14	On the Eigenvalues and Eigenvectors of Block Triangular Preconditioned Block Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014, 35, 517-525.	0.7	11
15	Refined saddle-point preconditioners for discretized Stokes problems. <i>Numerische Mathematik</i> , 2018, 138, 331-363.	0.9	11
16	Fast multipole preconditioners for sparse matrices arising from elliptic equations. <i>Computing and Visualization in Science</i> , 2018, 18, 213-229.	1.2	10
17	Impact of Space-Time Covariance Estimation Errors on a Parahermitian Matrix EVD. , 2018, , .		10
18	Enforcing Eigenvector Smoothness for a Compact DFT-Based Polynomial Eigenvalue Decomposition. , 2018, , .		9

#	ARTICLE	IF	CITATIONS
19	Support Estimation of a Sample Space-Time Covariance Matrix. , 2019, , .		8
20	Spectral properties of flipped Toeplitz matrices and related preconditioning. BIT Numerical Mathematics, 2019, 59, 463-482.	1.0	8
21	Block preconditioners for linear systems arising from multiscale collocation with compactly supported RBFs. Numerical Linear Algebra With Applications, 2015, 22, 731-747.	0.9	7
22	Null-Space Preconditioners for Saddle Point Systems. SIAM Journal on Matrix Analysis and Applications, 2016, 37, 1103-1128.	0.7	7
23	Efficient Block Preconditioning for a C^1 Finite Element Discretization of the Dirichlet Biharmonic Problem. SIAM Journal of Scientific Computing, 2016, 38, A325-A345.	1.3	6
24	Sample Space-time Covariance Matrix Estimation. , 2019, , .		5
25	Investigation of a polynomial matrix generalised EVD for multi-channel Wiener filtering. , 2016, , .		4
26	Max-Balanced Hungarian Scalings. SIAM Journal on Matrix Analysis and Applications, 2019, 40, 320-346.	0.7	4
27	GMRES Convergence Bounds for Eigenvalue Problems. Computational Methods in Applied Mathematics, 2018, 18, 203-222.	0.4	3
28	Preconditioning for Nonsymmetry and Time-Dependence. Lecture Notes in Computational Science and Engineering, 2017, , 81-91.	0.1	2
29	Subspace Perturbation Bounds with an Application to Angle of Arrival Estimation using the MUSIC Algorithm. , 2020, , .		0
30	The Asymptotic Spectrum of Flipped Multilevel Toeplitz Matrices and of Certain Preconditionings. SIAM Journal on Matrix Analysis and Applications, 2021, 42, 1319-1336.	0.7	0
31	Right-Hand Side Dependent Bounds for GMRES Applied to Ill-Posed Problems. IFIP Advances in Information and Communication Technology, 2014, , 230-236.	0.5	0