

Anne Greenbaum

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Error Bounds for Lanczos-Based Matrix Function Approximation. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2022, 43, 787-811.	0.7	3
2	On the Convergence Rate of Variants of the Conjugate Gradient Algorithm in Finite Precision Arithmetic. <i>SIAM Journal of Scientific Computing</i> , 2021, 43, S496-S515.	1.3	2
3	Crouzeix's Conjecture and Related Problems. <i>Computational Methods and Function Theory</i> , 2020, 20, 701-728.	0.8	5
4	First-Order Perturbation Theory for Eigenvalues and Eigenvectors. <i>SIAM Review</i> , 2020, 62, 463-482.	4.2	33
5	Spectral Sets: Numerical Range and Beyond. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2019, 40, 1087-1101.	0.7	4
6	On the convergence rate of DGMRES. <i>Linear Algebra and Its Applications</i> , 2018, 552, 219-238.	0.4	2
7	Numerical investigation of Crouzeix's conjecture. <i>Linear Algebra and Its Applications</i> , 2018, 542, 225-245.	0.4	27
8	Some Extensions of the Crouzeix-Palencia Result. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2018, 39, 769-780.	0.7	10
9	Variational analysis of the Crouzeix ratio. <i>Mathematical Programming</i> , 2017, 164, 229-243.	1.6	6
10	Near Normal Dilations of Nonnormal Matrices and Linear Operators. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2016, 37, 1365-1381.	0.7	2
11	An Algorithm for Finding a 2-Similarity Transformation from a Numerical Contraction to a Contraction. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2015, 36, 1248-1262.	0.7	1
12	Analysis of an aggregation-based algebraic two-grid method for a rotated anisotropic diffusion problem. <i>Numerical Linear Algebra With Applications</i> , 2015, 22, 681-701.	0.9	6
13	Roots of Matrices in the Study of GMRES Convergence and Crouzeix's Conjecture. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2015, 36, 289-301.	0.7	7
14	Crouzeix's conjecture and perturbed Jordan blocks. <i>Linear Algebra and Its Applications</i> , 2012, 436, 2342-2352.	0.4	11
15	Global error bounds for the Petrov-Galerkin discretization of the neutron transport equation. <i>Numerical Linear Algebra With Applications</i> , 2011, 18, 141-154.	0.9	2
16	Upper and lower bounds on norms of functions of matrices. <i>Linear Algebra and Its Applications</i> , 2009, 430, 52-65.	0.4	6
17	Fourth order accurate evaluation of integrals in potential theory on exterior 3D regions. <i>Journal of Computational Physics</i> , 2007, 220, 900-914.	1.9	13
18	Characterizations of the polynomial numerical hull of degree k . <i>Linear Algebra and Its Applications</i> , 2006, 419, 37-47.	0.4	6

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19	The polynomial numerical hulls of Jordan blocks and related matrices. <i>Linear Algebra and Its Applications</i> , 2003, 374, 231-246.	0.4	14
20	Card Shuffling and the Polynomial Numerical Hull of Degree k . <i>SIAM Journal of Scientific Computing</i> , 2003, 25, 408-416.	1.3	4
21	Generalizations of the field of values useful in the study of polynomial functions of a matrix. <i>Linear Algebra and Its Applications</i> , 2002, 347, 233-249.	0.4	42
22	Estimating the Attainable Accuracy of Recursively Computed Residual Methods. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1997, 18, 535-551.	0.7	78
23	Any Nonincreasing Convergence Curve is Possible for GMRES. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1996, 17, 465-469.	0.7	184
24	Relations between Galerkin and Norm-Minimizing Iterative Methods for Solving Linear Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1996, 17, 223-247.	0.7	62
25	GMRES/CR and Arnoldi/Lanczos as Matrix Approximation Problems. <i>SIAM Journal of Scientific Computing</i> , 1994, 15, 359-368.	1.3	60
26	On the numerical solution of the biharmonic equation in the plane. <i>Physica D: Nonlinear Phenomena</i> , 1992, 60, 216-225.	1.3	53
27	Parallelizing preconditioned conjugate gradient algorithms. <i>Computer Physics Communications</i> , 1989, 53, 295-309.	3.0	23
28	Synchronization costs on multiprocessors. <i>Parallel Computing</i> , 1989, 10, 3-14.	1.3	16
29	Analysis of a Multigrid Method as an Iterative Technique for Solving Linear Systems. <i>SIAM Journal on Numerical Analysis</i> , 1984, 21, 473-485.	1.1	26