

Yousef Or Youcef Saad

List of Publications by Year in descending order

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171
papers

7,899
citations

50276

46
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84
g-index

174
all docs

174
docs citations

174
times ranked

4303
citing authors

#	ARTICLE	IF	CITATIONS
1	ILUT: A dual threshold incomplete LU factorization. Numerical Linear Algebra With Applications, 1994, 1, 387-402.	1.6	530
2	Iterative solution of linear systems in the 20th century. Journal of Computational and Applied Mathematics, 2000, 123, 1-33.	2.0	333
3	PARSEC – the pseudopotential algorithm for real-space electronic structure calculations: recent advances and novel applications to nano-structures. Physica Status Solidi (B): Basic Research, 2006, 243, 1063-1079.	1.5	285
4	Orthogonal Neighborhood Preserving Projections: A Projection-Based Dimensionality Reduction Technique. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 2143-2156.	13.9	263
5	Turbo charging time-dependent density-functional theory with Lanczos chains. Journal of Chemical Physics, 2008, 128, 154105.	3.0	234
6	Numerical Methods for Electronic Structure Calculations of Materials. SIAM Review, 2010, 52, 3-54.	9.5	231
7	GPU-accelerated preconditioned iterative linear solvers. Journal of Supercomputing, 2013, 63, 443-466.	3.6	196
8	Chebyshev acceleration techniques for solving nonsymmetric eigenvalue problems. Mathematics of Computation, 1984, 42, 567-588.	2.1	192
9	Approximate Inverse Preconditioners via Sparse-Sparse Iterations. SIAM Journal of Scientific Computing, 1998, 19, 995-1023.	2.8	191
10	Experimental study of ILU preconditioners for indefinite matrices. Journal of Computational and Applied Mathematics, 1997, 86, 387-414.	2.0	188
11	Dense Subgraph Extraction with Application to Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1216-1230.	5.7	186
12	Two classes of multiseant methods for nonlinear acceleration. Numerical Linear Algebra With Applications, 2009, 16, 197-221.	1.6	183
13	Conjugate gradient-like algorithms for solving nonsymmetric linear systems. Mathematics of Computation, 1985, 44, 417-424.	2.1	160
14	Self-consistent-field calculations using Chebyshev-filtered subspace iteration. Journal of Computational Physics, 2006, 219, 172-184.	3.8	152
15	Parallel self-consistent-field calculations via Chebyshev-filtered subspace acceleration. Physical Review E, 2006, 74, 066704.	2.1	145
16	Deflated and Augmented Krylov Subspace Techniques. Numerical Linear Algebra With Applications, 1997, 4, 43-66.	1.6	136
17	Data communication in parallel architectures. Parallel Computing, 1989, 11, 131-150.	2.1	129
18	Preconditioning techniques for nonsymmetric and indefinite linear systems. Journal of Computational and Applied Mathematics, 1988, 24, 89-105.	2.0	112

#	ARTICLE	IF	CITATIONS
19	Multilevel Preconditioners Constructed From Inverse-Based ILUs. SIAM Journal of Scientific Computing, 2006, 27, 1627-1650.	2.8	107
20	Distributed Schur Complement Techniques for General Sparse Linear Systems. SIAM Journal of Scientific Computing, 1999, 21, 1337-1356.	2.8	104
21	Arnoldi methods for large Sylvester-like observer matrix equations, and an associated algorithm for partial spectrum assignment. Linear Algebra and Its Applications, 1991, 154-156, 225-244.	0.9	100
22	A spectrum slicing method for the Kohn-Sham problem. Computer Physics Communications, 2012, 183, 497-505.	7.5	98
23	Data communication in hypercubes. Journal of Parallel and Distributed Computing, 1989, 6, 115-135.	4.1	94
24	Analysis of Augmented Krylov Subspace Methods. SIAM Journal on Matrix Analysis and Applications, 1997, 18, 435-449.	1.4	93
25	Dynamic Thick Restarting of the Davidson, and the Implicitly Restarted Arnoldi Methods. SIAM Journal of Scientific Computing, 1998, 19, 227-245.	2.8	92
26	pARMS: a parallel version of the algebraic recursive multilevel solver. Numerical Linear Algebra With Applications, 2003, 10, 485-509.	1.6	91
27	Crout Versions of ILU for General Sparse Matrices. SIAM Journal of Scientific Computing, 2003, 25, 716-728.	2.8	90
28	Data mining for materials: Computational experiments with $A < B > \text{compounds}$. Physical Review B, 2012, 85, .	3.2	90
29	A probing method for computing the diagonal of a matrix inverse. Numerical Linear Algebra With Applications, 2012, 19, 485-501.	1.6	87
30	Approximating Spectral Densities of Large Matrices. SIAM Review, 2016, 58, 34-65.	9.5	84
31	Evolution of Magnetism in Iron from the Atom to the Bulk. Physical Review Letters, 2006, 97, 147201.	7.8	82
32	Approximate Inverse Techniques for Block-Partitioned Matrices. SIAM Journal of Scientific Computing, 1997, 18, 1657-1675.	2.8	77
33	Efficient numerical simulation of electron states in quantum wires. Journal of Applied Physics, 1990, 68, 3461-3469.	2.5	76
34	BILUM: Block Versions of Multielimination and Multilevel ILU Preconditioner for General Sparse Linear Systems. SIAM Journal of Scientific Computing, 1999, 20, 2103-2121.	2.8	76
35	On the Tensor SVD and the Optimal Low Rank Orthogonal Approximation of Tensors. SIAM Journal on Matrix Analysis and Applications, 2009, 30, 1709-1734.	1.4	71
36	Krylov subspace methods for computing hydrodynamic interactions in Brownian dynamics simulations. Journal of Chemical Physics, 2012, 137, 064106.	3.0	69

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37	Numerical solution of large nonsymmetric eigenvalue problems. Computer Physics Communications, 1989, 53, 71-90.	7.5	68
38	Ab Initio Calculations for Large Dielectric Matrices of Confined Systems. Physical Review Letters, 2003, 90, 127401.	7.8	66
39	Fast Estimation of $\text{tr}(f(A))$ via Stochastic Lanczos Quadrature. SIAM Journal on Matrix Analysis and Applications, 2017, 38, 1075-1099.	1.4	66
40	Efficient estimation of eigenvalue counts in an interval. Numerical Linear Algebra With Applications, 2016, 23, 674-692.	1.6	63
41	BILUTM: A Domain-Based Multilevel Block ILUT Preconditioner for General Sparse Matrices. SIAM Journal on Matrix Analysis and Applications, 1999, 21, 279-299.	1.4	62
42	Least Squares Polynomials in the Complex Plane and Their Use for Solving Nonsymmetric Linear Systems. SIAM Journal on Numerical Analysis, 1987, 24, 155-169.	2.3	57
43	Chebyshev-filtered subspace iteration method free of sparse diagonalization for solving the Kohn-Sham equation. Journal of Computational Physics, 2014, 274, 770-782.	3.8	57
44	Complexity of dense-linear-system solution on a multiprocessor ring. Linear Algebra and Its Applications, 1986, 77, 205-239.	0.9	55
45	An arbitrary Lagrangian-Eulerian finite element method for solving three-dimensional free surface flows. Computer Methods in Applied Mechanics and Engineering, 1998, 162, 79-106.	6.6	53
46	Phase Retrieval via Reweighted Amplitude Flow. IEEE Transactions on Signal Processing, 2018, , 1-1.	5.3	51
47	Complex shift and invert strategies for real matrices. Linear Algebra and Its Applications, 1987, 88-89, 575-595.	0.9	49
48	A Filtered Lanczos Procedure for Extreme and Interior Eigenvalue Problems. SIAM Journal of Scientific Computing, 2012, 34, A2220-A2246.	2.8	46
49	Overlapping Domain Decomposition Algorithms for General Sparse Matrices. Numerical Linear Algebra With Applications, 1996, 3, 221-237.	1.6	45
50	Preconditioning Helmholtz linear systems. Applied Numerical Mathematics, 2010, 60, 420-431.	2.1	45
51	Preconditioned Krylov Subspace Methods for Sampling Multivariate Gaussian Distributions. SIAM Journal of Scientific Computing, 2014, 36, A588-A608.	2.8	45
52	A Chebyshev-Davidson Algorithm for Large Symmetric Eigenproblems. SIAM Journal on Matrix Analysis and Applications, 2007, 29, 954-971.	1.4	43
53	A Thick-Restart Lanczos Algorithm with Polynomial Filtering for Hermitian Eigenvalue Problems. SIAM Journal of Scientific Computing, 2016, 38, A2512-A2534.	2.8	38
54	Shanks Sequence Transformations and Anderson Acceleration. SIAM Review, 2018, 60, 646-669.	9.5	38

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55	On the Relations between ILUs and Factored Approximate Inverses. SIAM Journal on Matrix Analysis and Applications, 2002, 24, 219-237.	1.4	36
56	Parallel implementation of time-dependent density functional theory. Computer Physics Communications, 2003, 156, 22-42.	7.5	36
57	A Parallel Multistage ILU Factorization Based on a Hierarchical Graph Decomposition. SIAM Journal of Scientific Computing, 2006, 28, 2266-2293.	2.8	36
58	Electronic structure calculations for plane-wave codes without diagonalization. Computer Physics Communications, 1999, 118, 21-30.	7.5	35
59	Multilevel ILU With Reorderings for Diagonal Dominance. SIAM Journal of Scientific Computing, 2005, 27, 1032-1057.	2.8	35
60	Efficient Algorithms for Estimating the Absorption Spectrum within Linear Response TDDFT. Journal of Chemical Theory and Computation, 2015, 11, 5197-5208.	5.3	35
61	Computation of Smallest Eigenvalues using Spectral Schur Complements. SIAM Journal of Scientific Computing, 2005, 27, 458-481.	2.8	34
62	Communication complexity of the Gaussian elimination algorithm on multiprocessors. Linear Algebra and Its Applications, 1986, 77, 315-340.	0.9	33
63	Exploiting Capabilities of Many Core Platforms in Reservoir Simulation. , 2011, , .		33
64	Robust preconditioning of large, sparse, symmetric eigenvalue problems. Journal of Computational and Applied Mathematics, 1995, 64, 197-215.	2.0	32
65	Block Krylovâ€“Schur method for large symmetric eigenvalue problems. Numerical Algorithms, 2008, 47, 341-359.	1.9	31
66	Lanczos Vectors versus Singular Vectors for Effective Dimension Reduction. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1091-1103.	5.7	31
67	Preconditioning techniques for the solution of the Helmholtz equation by the finite element method. Mathematics and Computers in Simulation, 2004, 65, 303-321.	4.4	30
68	High-order ILU preconditioners for CFD problems. International Journal for Numerical Methods in Fluids, 2000, 33, 767-788.	1.6	29
69	Computing $f(A)b$ via Least Squares Polynomial Approximations. SIAM Journal of Scientific Computing, 2011, 33, 195-222.	2.8	28
70	SMASH: Structured matrix approximation by separation and hierarchy. Numerical Linear Algebra With Applications, 2018, 25, e2204.	1.6	27
71	MIQR: A Multilevel Incomplete QR Preconditioner for Large Sparse Leastâ€“Squares Problems. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 524-550.	1.4	26
72	An Algebraic Multilevel Preconditioner with Low-Rank Corrections for Sparse Symmetric Matrices. SIAM Journal on Matrix Analysis and Applications, 2016, 37, 235-259.	1.4	26

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73	DQGMRES: a Direct Quasi-minimal Residual Algorithm Based on Incomplete Orthogonalization. Numerical Linear Algebra With Applications, 1996, 3, 329-343.	1.6	25
74	Computation of Large Invariant Subspaces Using Polynomial Filtered Lanczos Iterations with Applications in Density Functional Theory. SIAM Journal on Matrix Analysis and Applications, 2008, 30, 397-418.	1.4	25
75	Computing charge densities with partially reorthogonalized Lanczos. Computer Physics Communications, 2005, 171, 175-186.	7.5	24
76	Divide and Conquer Low-Rank Preconditioners for Symmetric Matrices. SIAM Journal of Scientific Computing, 2013, 35, A2069-A2095.	2.8	24
77	Formation enthalpies for transition metal alloys using machine learning. Physical Review B, 2017, 95, .	3.2	24
78	Enhanced GMRES Acceleration Techniques for some CFD Problems. International Journal of Computational Fluid Dynamics, 2002, 16, 1-20.	1.2	23
79	Filtered Conjugate Residual-type Algorithms with Applications. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 845-870.	1.4	23
80	The Eigenvalues Slicing Library (EVSL): Algorithms, Implementation, and Software. SIAM Journal of Scientific Computing, 2019, 41, C393-C415.	2.8	23
81	Enhanced multi-level block ILU preconditioning strategies for general sparse linear systems. Journal of Computational and Applied Mathematics, 2001, 130, 99-118.	2.0	22
82	A Greedy Strategy for Coarse-Grid Selection. SIAM Journal of Scientific Computing, 2007, 29, 1825-1853.	2.8	22
83	Schur complement-based domain decomposition preconditioners with low-rank corrections. Numerical Linear Algebra With Applications, 2016, 23, 706-729.	1.6	21
84	ILUS: An incomplete LU preconditioner in sparse skyline format. International Journal for Numerical Methods in Fluids, 1997, 25, 739-748.	1.6	20
85	Finding Exact and Approximate Block Structures for ILU Preconditioning. SIAM Journal of Scientific Computing, 2003, 24, 1107-1123.	2.8	20
86	Computing Partial Spectra with Least-Squares Rational Filters. SIAM Journal of Scientific Computing, 2016, 38, A3020-A3045.	2.8	20
87	Graph Partitioning Using Matrix Values for Preconditioning Symmetric Positive Definite Systems. SIAM Journal of Scientific Computing, 2014, 36, A63-A87.	2.8	19
88	Improving the Incoherence of a Learned Dictionary via Rank Shrinkage. Neural Computation, 2017, 29, 263-285.	2.2	19
89	Deflated and Augmented Krylov Subspace Techniques. Numerical Linear Algebra With Applications, 1997, 4, 43-66.	1.6	19
90	On the Lanczos method for solving symmetric linear systems with several right-hand sides. Mathematics of Computation, 1987, 48, 651-651.	2.1	18

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91	Efficient first-principles calculations of the electronic structure of periodic systems. Computer Physics Communications, 2007, 177, 339-347.	7.5	18
92	Low-Rank Correction Methods for Algebraic Domain Decomposition Preconditioners. SIAM Journal on Matrix Analysis and Applications, 2017, 38, 807-828.	1.4	18
93	Analysis of Subspace Iteration for Eigenvalue Problems with Evolving Matrices. SIAM Journal on Matrix Analysis and Applications, 2016, 37, 103-122.	1.4	17
94	A Factored Approximate Inverse Preconditioner with Pivoting. SIAM Journal on Matrix Analysis and Applications, 2002, 23, 692-705.	1.4	15
95	Incremental incomplete LU factorizations with applications. Numerical Linear Algebra With Applications, 2010, 17, 811-837.	1.6	15
96	Harnessing molecular excited states with Lanczos chains. Journal of Physics Condensed Matter, 2010, 22, 074204.	1.8	15
97	A rational approximation method for solving acoustic nonlinear eigenvalue problems. Engineering Analysis With Boundary Elements, 2020, 111, 44-54.	3.7	15
98	An edge based stabilized finite element method for solving compressible flows: formulation and parallel implementation. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 6735-6761.	6.6	14
99	Domain-Decomposition-Type Methods for Computing the Diagonal of a Matrix Inverse. SIAM Journal of Scientific Computing, 2011, 33, 2823-2847.	2.8	14
100	Overlapping Domain Decomposition Algorithms for General Sparse Matrices. Numerical Linear Algebra With Applications, 1996, 3, 221-237.	1.6	14
101	Parallel direct methods for solving banded linear systems. Linear Algebra and Its Applications, 1987, 88-89, 623-650.	0.9	13
102	Rational approximation to the Fermi-Dirac function with applications in density functional theory. Numerical Algorithms, 2011, 56, 455-479.	1.9	13
103	Matrix Reordering Using Multilevel Graph Coarsening for ILU Preconditioning. SIAM Journal of Scientific Computing, 2015, 37, A391-A419.	2.8	13
104	Further analysis of minimum residual iterations. Numerical Linear Algebra With Applications, 2000, 7, 67-93.	1.6	12
105	PFEAST: A High Performance Sparse Eigenvalue Solver Using Distributed-Memory Linear Solvers. , 2016, , .		12
106	Fast Estimation of Approximate Matrix Ranks Using Spectral Densities. Neural Computation, 2017, 29, 1317-1351.	2.2	12
107	Computing Planetary Interior Normal Modes with a Highly Parallel Polynomial Filtering Eigensolver. , 2018, , .		12
108	Block LU Preconditioners for Symmetric and Nonsymmetric Saddle Point Problems. SIAM Journal of Scientific Computing, 2003, 25, 729-748.	2.8	11

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109	SchurRAS: A Restricted Version of the Overlapping Schur Complement Preconditioner. SIAM Journal of Scientific Computing, 2006, 27, 1787-1801.	2.8	11
110	Graph-Based Multilevel Dimensionality Reduction with Applications to Eigenfaces and Latent Semantic Indexing. , 2008, , .		11
111	Farthest Centroids Divisive Clustering. , 2008, , .		11
112	Preconditioning the Matrix Exponential Operator with Applications. Journal of Scientific Computing, 1998, 13, 275-302.	2.3	10
113	Diagonalization methods in PARSEC. Physica Status Solidi (B): Basic Research, 2006, 243, 2188-2197.	1.5	10
114	Modification and Compensation Strategies for Threshold-based Incomplete Factorizations. SIAM Journal of Scientific Computing, 2012, 34, A48-A75.	2.8	10
115	Prewhitening High-Dimensional fMRI Data Sets Without Eigendecomposition. Neural Computation, 2014, 26, 907-919.	2.2	10
116	Cuheb: A GPU implementation of the filtered Lanczos procedure. Computer Physics Communications, 2017, 220, 332-340.	7.5	10
117	Domain decomposition approaches for accelerating contour integration eigenvalue solvers for symmetric eigenvalue problems. Numerical Linear Algebra With Applications, 2018, 25, e2154.	1.6	10
118	Using real space pseudopotentials for the electronic structure problem. Handbook of Numerical Analysis, 2003, 10, 613-637.	1.8	9
119	Algorithms for the electronic and vibrational properties of nanocrystals. Journal of Physics Condensed Matter, 2009, 21, 064207.	1.8	9
120	Fast Computation of Spectral Densities for Generalized Eigenvalue Problems. SIAM Journal of Scientific Computing, 2018, 40, A2749-A2773.	2.8	9
121	Beyond Automated Multilevel Substructuring: Domain Decomposition with Rational Filtering. SIAM Journal of Scientific Computing, 2018, 40, C477-C502.	2.8	9
122	Solving the Three-Dimensional High-frequency Helmholtz Equation Using Contour Integration and Polynomial Preconditioning. SIAM Journal on Matrix Analysis and Applications, 2020, 41, 58-82.	1.4	9
123	Design of an iterative solution module for a parallel sparse matrix library (P_SPARSLIB). Applied Numerical Mathematics, 1995, 19, 343-357.	2.1	8
124	On correction equations and domain decomposition for computing invariant subspaces. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 1471-1483.	6.6	8
125	Algorithms for the evolution of electronic properties in nanocrystals. Computer Physics Communications, 2007, 177, 1-5.	7.5	8
126	A Rational Function Preconditioner For Indefinite Sparse Linear Systems. SIAM Journal of Scientific Computing, 2017, 39, A1145-A1167.	2.8	8

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127	A scalable iterative dense linear system solver for multiple right-hand sides in data analytics. <i>Parallel Computing</i> , 2018, 74, 136-153.	2.1	8
128	Non-standard Parallel Solution Strategies for Distributed Sparse Linear Systems. <i>Lecture Notes in Computer Science</i> , 1999, , 13-27.	1.3	8
129	Solving elliptic partial differential equations on the hypercube multiprocessor. <i>Applied Numerical Mathematics</i> , 1987, 3, 81-88.	2.1	7
130	Variations on algebraic recursive multilevel solvers (ARMS) for the solution of CFD problems. <i>Applied Numerical Mathematics</i> , 2004, 51, 305-327.	2.1	7
131	Greedy Coarsening Strategies for Nonsymmetric Problems. <i>SIAM Journal of Scientific Computing</i> , 2007, 29, 2115-2143.	2.8	7
132	A Hierarchical Low Rank Schur Complement Preconditioner for Indefinite Linear Systems. <i>SIAM Journal of Scientific Computing</i> , 2018, 40, A2234-A2252.	2.8	7
133	Pseudopotentials on Grids: Application to the Electronic, Optical, and Vibrational Properties of Silicon Nanocrystals. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009, 6, 1247-1261.	0.4	6
134	Multilevel manifold learning with application to spectral clustering. , 2010, , .		6
135	Efficient computation of the coupling matrix in time-dependent density functional theory. <i>Computer Physics Communications</i> , 2005, 167, 7-22.	7.5	5
136	Sampling and multilevel coarsening algorithms for fast matrix approximations. <i>Numerical Linear Algebra With Applications</i> , 2019, 26, e2234.	1.6	5
137	BASIC SPARSE MATRIX COMPUTATIONS ON THE CM-5. <i>International Journal of Modern Physics C</i> , 1993, 04, 65-83.	1.7	5
138	The Impact of Parallel Architectures on The Solution of Eigenvalue Problems. <i>North-Holland Mathematics Studies</i> , 1986, , 37-49.	0.2	4
139	On the condition number of some gram matrices arising from least squares approximation in the complex plane. <i>Numerische Mathematik</i> , 1986, 48, 337-347.	1.9	4
140	Block Preconditioners for Saddle Point Problems. <i>Numerical Algorithms</i> , 2003, 33, 367-379.	1.9	4
141	Spectral recycling strategies for the solution of nonlinear eigenproblems in thermoacoustics. <i>Numerical Linear Algebra With Applications</i> , 2015, 22, 1039-1058.	1.6	4
142	A posteriori error estimate for computing $\text{tr}(f(A))$ by using the Lanczos method. <i>Numerical Linear Algebra With Applications</i> , 2018, 25, e2170.	1.6	4
143	Shanks and Anderson-type acceleration techniques for systems of nonlinear equations. <i>IMA Journal of Numerical Analysis</i> , 2022, 42, 3058-3093.	2.9	4
144	Modified Krylov acceleration for parallel environments. <i>Applied Numerical Mathematics</i> , 1999, 30, 191-212.	2.1	3

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145	Preconditioning strategies for linear systems arising in tire design. Numerical Linear Algebra With Applications, 2000, 7, 743-757.	1.6	3
146	Hypergraph-based multilevel matrix approximation for text information retrieval. , 2010, , .		3
147	Fast Updating Algorithms for Latent Semantic Indexing. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 1105-1131.	1.4	3
148	Low rank approximation and decomposition of large matrices using error correcting codes. IEEE Transactions on Information Theory, 2017, , 1-1.	2.4	3
149	Spectrum-adapted Polynomial Approximation for Matrix Functions. , 2019, , .		3
150	Scalable remote homology detection and fold recognition in massive protein networks. Proteins: Structure, Function and Bioinformatics, 2019, 87, 478-491.	2.6	3
151	Applications of Trace Estimation Techniques. Lecture Notes in Computer Science, 2018, , 19-33.	1.3	3
152	Multicolor low-rank preconditioner for general sparse linear systems. Numerical Linear Algebra With Applications, 2020, 27, e2316.	1.6	2
153	Planetary Normal Mode Computation: Parallel Algorithms, Performance, and Reproducibility. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2609-2622.	5.6	2
154	High-order ILU preconditioners for CFD problems. International Journal for Numerical Methods in Fluids, 2000, 33, 767-788.	1.6	2
155	Schur Complement Preconditioners for Distributed General Sparse Linear Systems. , 2007, , 127-138.		2
156	Quantum algorithms for predicting the properties of complex materials. , 2012, , .		2
157	Parallel Numerical Computing from Iliac IV to Exascale”The Contributions of Ahmed H. Sameh. , 2012, , 1-44.		2
158	A Non-perturbative Approach to Computing Seismic Normal Modes in Rotating Planets. Journal of Scientific Computing, 2022, 91, 1.	2.3	2
159	Application of Krylov Subspace Methods in Fluid Dynamics. Nuclear Science and Engineering, 1990, 105, 136-141.	1.1	1
160	Solution of distributed sparse linear systems using PSPARSLIB. Lecture Notes in Computer Science, 1998, , 503-509.	1.3	1
161	Lanczos-based Low-Rank Correction Method for Solving the Dyson Equation in Inhomogenous Dynamical Mean-Field Theory. Physics Procedia, 2011, 15, 22-28.	1.2	1
162	Find the dimension that counts: Fast dimension estimation and Krylov PCA. , 2019, , 720-728.		1

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163	ILUS: An incomplete LU preconditioner in sparse skyline format. International Journal for Numerical Methods in Fluids, 1997, 25, 739-748.	1.6	1
164	Rational approximation preconditioners for sparse linear systems. Journal of Computational and Applied Mathematics, 2003, 158, 419-442.	2.0	0
165	Special issue on Parallel Matrix Algorithms and Applications. Parallel Computing, 2010, 36, 213-214.	2.1	0
166	Special issue on Parallel Matrix Algorithms and Applications (PMAA™10). Parallel Computing, 2011, 37, 731-732.	2.1	0
167	Spectrum-Adapted Polynomial Approximation for Matrix Functions with Applications in Graph Signal Processing. Algorithms, 2020, 13, 295.	2.1	0
168	Preconditioning Techniques for the Solution of the Helmholtz Equation by the Finite Element Method. Lecture Notes in Computer Science, 2003, , 847-858.	1.3	0
169	Applying Parallel Direct Solver Techniques to Build Robust High Performance Preconditioners. Lecture Notes in Computer Science, 2006, , 611-619.	1.3	0
170	ENHANCED ACCELERATION AND RECONDITIONING TECHNIQUES. , 1998, , 478-487.		0
171	Computational Materials Science and Engineering. Modeling and Simulation in Science, Engineering and Technology, 2020, , 123-150.	0.6	0