

Massimiliano Fasi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Numerical behavior of NVIDIA tensor cores. PeerJ Computer Science, 2021, 7, e330.	2.7	19
2	An Algorithm for the Matrix Lambert W Function. SIAM Journal on Matrix Analysis and Applications, 2015, 36, 669-685.	0.7	17
3	Stochastic rounding: implementation, error analysis and applications. Royal Society Open Science, 2022, 9, 211631.	1.1	17
4	Multiprecision Algorithms for Computing the Matrix Logarithm. SIAM Journal on Matrix Analysis and Applications, 2018, 39, 472-491.	0.7	16
5	An Arbitrary Precision Scaling and Squaring Algorithm for the Matrix Exponential. SIAM Journal on Matrix Analysis and Applications, 2019, 40, 1233-1256.	0.7	13
6	A backward/forward recovery approach for the preconditioned conjugate gradient method. Journal of Computational Science, 2016, 17, 522-534.	1.5	11
7	Optimality of the Paterson–Stockmeyer method for evaluating matrix polynomials and rational matrix functions. Linear Algebra and Its Applications, 2019, 574, 182-200.	0.4	9
8	Algorithms for Stochastically Rounded Elementary Arithmetic Operations in IEEE 754 Floating-Point Arithmetic. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1451-1466.	3.2	9
9	Determinants of Normalized Bohemian Upper Hessenberg Matrices. Electronic Journal of Linear Algebra, 2020, 36, 352-366.	0.6	7
10	Computing the Weighted Geometric Mean of Two Large-Scale Matrices and Its Inverse Times a Vector. SIAM Journal on Matrix Analysis and Applications, 2018, 39, 178-203.	0.7	6
11	Coping with Silent Errors in HPC Applications. Emergence, Complexity and Computation, 2017, , 269-292.	0.2	5
12	Combining Backward and Forward Recovery to Cope with Silent Errors in Iterative Solvers. , 2015, , .		4
13	Generating Extreme-Scale Matrices With Specified Singular Values or Condition Number. SIAM Journal of Scientific Computing, 2021, 43, A663-A684.	1.3	4
14	Using Hadoop File System and MapReduce in a small/medium Grid site. Journal of Physics: Conference Series, 2012, 396, 042050.	0.3	3
15	Computing primary solutions of equations involving primary matrix functions. Linear Algebra and Its Applications, 2019, 560, 17-42.	0.4	3
16	Matrices with Tunable Infinity-Norm Condition Number and No Need for Pivoting in LU Factorization. SIAM Journal on Matrix Analysis and Applications, 2021, 42, 417-435.	0.7	3
17	Corrigendum to "Determinants of Normalized Bohemian Upper Hessenberg Matrices". Electronic Journal of Linear Algebra, 0, 37, 160-162.	0.6	2
18	Sampling the eigenvalues of random orthogonal and unitary matrices. Linear Algebra and Its Applications, 2021, 620, 297-321.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Substitution algorithms for rational matrix equations. <i>Electronic Transactions on Numerical Analysis</i> , 0, 53, 500-521.	0.0	2