Miroslav Rozloznik

List of Publications by Year
in descending order

25	316	1163117 8	888059 17
papers	citations	h-index	g-index

25	25	25	211
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Block Gram-Schmidt algorithms and their stability properties. Linear Algebra and Its Applications, 2022, 638, 150-195.	0.9	12
2	The Stability of Block Variants of Classical Gram–Schmidt. SIAM Journal on Matrix Analysis and Applications, 2021, 42, 1365-1380.	1.4	8
3	Nearly optimal scaling in the SR decomposition. Linear Algebra and Its Applications, 2021, 613, 295-319.	0.9	0
4	Analysis of the self projected matching pursuit algorithm. Journal of the Franklin Institute, 2020, 357, 8980-8994.	3.4	3
5	A note on adaptivity in factorized approximate inverse preconditioning. Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica, 2020, 28, 149-159.	0.3	1
6	Saddle-Point Problems and Their Iterative Solution. NecÌŒas Center Series, 2018, , .	1.0	9
7	Solution Approaches for Saddle-Point Problems. NecÌŒas Center Series, 2018, , 33-39.	1.0	0
8	Numerical Behavior of Saddle-Point Solvers. NecÌŒas Center Series, 2018, , 79-101.	1.0	0
9	An adaptive multilevel factorized sparse approximate inverse preconditioning. Advances in Engineering Software, 2017, 113, 19-24.	3.8	4
10	Sign patterns of J-orthogonal matrices. Special Matrices, 2017, 5, 225-241.	0.5	1
11	Miroslav Fiedler (7.4.1926â€“20.11.2015). Czechoslovak Mathematical Journal, 2016, 66, 585-590.	0.3	0
12	G-matrices, J-orthogonal matrices, and their sign patterns. Czechoslovak Mathematical Journal, 2016, 66, 653-670.	0.3	4
13	Factorized Approximate Inverses with Adaptive Dropping. SIAM Journal of Scientific Computing, 2016, 38, A1807-A1820.	2.8	5
14	Approximate inverse preconditioners with adaptive dropping. Advances in Engineering Software, 2015, 84, 13-20.	3.8	5
15	On the Numerical Behavior of Matrix Splitting Iteration Methods for Solving Linear Systems. SIAM Journal on Numerical Analysis, 2015, 53, 1716-1737.	2.3	23
16	A note on iterative refinement for seminormal equations. Applied Numerical Mathematics, 2014, 75, 167-174.	2.1	1
17	Numerical stability of orthogonalization methods with a non-standard inner product. BIT Numerical Mathematics, 2012, 52, 1035-1058.	2.0	19
18	Partitioned Triangular Tridiagonalization. ACM Transactions on Mathematical Software, 2011, 37, 1-16.	2.9	11

#	Article	IF	Citations
19	Adaptive version of Simpler GMRES. Numerical Algorithms, 2010, 53, 93-112.	1.9	14
20	How to Make Simpler GMRES and GCR More Stable. SIAM Journal on Matrix Analysis and Applications, 2009, 30, 1483-1499.	1.4	19
21	Limiting accuracy of segregated solution methods for nonsymmetric saddle point problems. Journal of Computational and Applied Mathematics, 2008, 215, 28-37.	2.0	4
22	Maximum Attainable Accuracy of Inexact Saddle Point Solvers. SIAM Journal on Matrix Analysis and Applications, 2008, 29, 1297-1321.	1.4	7
23	Modified Gram-Schmidt (MGS), Least Squares, and Backward Stability of MGS-GMRES. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 264-284.	1.4	74
24	Rounding error analysis of the classical Gram-Schmidt orthogonalization process. Numerische Mathematik, 2005, 101, 87-100.	1.9	82
25	By How Much Can Residual Minimization Accelerate the Convergence of Orthogonal Residual Methods?. Numerical Algorithms, 2001, 27, 189-213.	1.9	10