Ivan SlapniÄar

List of Publications by Year
in descending order

22	430	758635	839053
papers	citations	12	18
		h-index	g-index

22	22	22	151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computing the singular value decomposition with high relative accuracy. Linear Algebra and Its Applications, 1999, 299, 21-80.	0.4	164
2	Floating-point perturbations of Hermitian matrices. Linear Algebra and Its Applications, 1993, 195, 81-116.	0.4	55
3	Componentwise analysis of direct factorization of real symmetric and hermitian matrices. Linear Algebra and Its Applications, 1998, 272, 227-275.	0.4	34
4	Accurate eigenvalue decomposition of real symmetric arrowhead matrices and applications. Linear Algebra and Its Applications, 2015, 464, 62-89.	0.4	21
5	Highly accurate symmetric eigenvalue decomposition and hyperbolic SVD. Linear Algebra and Its Applications, 2003, 358, 387-424.	0.4	20
6	Epidemic spread of a lesion-forming plant pathogen—analysis of a mechanistic model with infinite age structure. Linear Algebra and Its Applications, 2005, 398, 117-140.	0.4	20
7	On the Quadratic Convergence of the Falk–Langemeyer Method. SIAM Journal on Matrix Analysis and Applications, 1991, 12, 84-114.	0.7	18
8	Relative perturbation bound for invariant subspaces of graded indefinite Hermitian matrices. Linear Algebra and Its Applications, 1999, 301, 171-185.	0.4	16
9	Optimal perturbation bounds for the Hermitian eigenvalue problem. Linear Algebra and Its Applications, 2000, 309, 19-43.	0.4	16
10	Perturbations of the eigenprojections of a factorized Hermitian matrix. Linear Algebra and Its Applications, 1995, 218, 273-280.	0.4	13
11	A bound for the condition of a hyperbolic eigenvector matrix. Linear Algebra and Its Applications, 1999, 290, 247-255.	0.4	13
12	Relative perturbation theory for hyperbolic eigenvalue problem. Linear Algebra and Its Applications, 2000, 309, 57-72.	0.4	13
13	An Alternative Algorithm for the Refinement of ULV Decompositions. SIAM Journal on Matrix Analysis and Applications, 2005, 27, 198-211.	0.7	11
14	Relative perturbation theory for hyperbolic singular value problem. Linear Algebra and Its Applications, 2003, 358, 367-386.	0.4	7
15	Universal Evolutionary Model for Periodical Species. Complexity, 2021, 2021, 1-15.	0.9	3
16	Solving Ultrasound Tomography's Inverse Problem: Automating Regularization Parameter Selection. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2447-2461.	1.7	3
17	Relative residual bounds for indefinite Hermitian matrices. Linear Algebra and Its Applications, 2006, 417, 466-477.	0.4	1
18	Advances in Jacobi Methods. , 2002, , 63-90.		1

#	Article	IF	Citations
19	Deflation for the Symmetric Arrowhead and Diagonal-Plus-Rank-One Eigenvalue Problems. SIAM Journal on Matrix Analysis and Applications, 2022, 43, 681-709.	0.7	1
20	Grid-based mode seeking procedure. Intelligent Data Analysis, 2011, 15, 343-356.	0.4	0
21	On the spectra of generalized Fibonacci and Fibonacci-like operators. Operators and Matrices, 2012, , 49-62.	0.1	0
22	Fast Computation of Optimal Damping Parameters for Linear Vibrational Systems. Mathematics, 2022, 10, 790.	1.1	0