Henk A Van Der Vorst

List of Publications by Year
in descending order

22 papers	3,059 citations	361296 20 h-index	713332 21 g-index
24 all docs	24 docs citations	24 times ranked	1534 citing authors

#	Article	IF	Citations
1	Eigenvalue computation in the 20th century. , 2001, , 209-239.		11
2	Iterative solution of linear systems in the 20th century. Journal of Computational and Applied Mathematics, 2000, 123, 1-33.	1.1	333
3	Eigenvalue computation in the 20th century. Journal of Computational and Applied Mathematics, 2000, 123, 35-65.	1.1	272
4	A Jacobi--Davidson Iteration Method for Linear Eigenvalue Problems. SIAM Review, 2000, 42, 267-293.	4.2	214
5	Developments and trends in the parallel solution of linear systems. Parallel Computing, 1999, 25, 1931-1970.	1.3	77
6	Jacobi--Davidson Style QR and QZ Algorithms for the Reduction of Matrix Pencils. SIAM Journal of Scientific Computing, 1998, 20, 94-125.	1.3	232
7	Accelerated Inexact Newton Schemes for Large Systems of Nonlinear Equations. SIAM Journal of Scientific Computing, 1998, 19, 657-674.	1.3	45
8	Approximate and Incomplete Factorizations. ICASE/LaRC Interdisciplinary Series in Science and Engineering, 1997, , 167-202.	0.1	48
9	A Jacobiâ€"Davidson Iteration Method for Linear Eigenvalue Problems. SIAM Journal on Matrix Analysis and Applications, 1996, 17, 401-425.	0.7	645
10	Generalized conjugate gradient squared. Journal of Computational and Applied Mathematics, 1996, 71, 125-146.	1.1	41
11	Jacobi-davidson type methods for generalized eigenproblems and polynomial eigenproblems. BIT Numerical Mathematics, 1996, 36, 595-633.	1.0	213
12	Approximate solutions and eigenvalue bounds from Krylov subspaces. Numerical Linear Algebra With Applications, 1995, 2, 115-133.	0.9	196
13	Parallel numerical linear algebra. Acta Numerica, 1993, 2, 111-197.	6.3	131
14	ICCG and related methods for 3D problems on vector computers. Computer Physics Communications, 1989, 53, 223-235.	3.0	36
15	Practical aspects of parallel scientific computing. Future Generation Computer Systems, 1989, 4, 285-291.	4.9	6
16	High Performance Preconditioning. SIAM Journal on Scientific and Statistical Computing, 1989, 10, 1174-1185.	1.5	128
17	Data transport in Wang's partition method. Parallel Computing, 1988, 7, 87-95.	1.3	30
18	Large tridiagonal and block tridiagonal linear systems on vector and parallel computers. Parallel Computing, 1987, 5, 45-54.	1.3	99

#	ARTICLE	IF	CITATIONS
19	Analysis of a parallel solution method for tridiagonal linear systems. Parallel Computing, 1987, 5, 303-311.	1.3	30
20	The performance of FORTRAN implementations for preconditioned conjugate gradients on vector computers. Parallel Computing, 1986, 3, 49-58.	1.3	56
21	A Vectorizable Variant of some ICCG Methods. SIAM Journal on Scientific and Statistical Computing, 1982, 3, 350-356.	1.5	112
22	Iterative solution methods for certain sparse linear systems with a non-symmetric matrix arising from PDE-problems. Journal of Computational Physics, 1981, 44, 1-19.	1.9	103