Henk A Van Der Vorst

List of Publications by Year in Descending Order

24 papers	2,549 citations
20 h-index	24 g-index
24 ext. papers	2,781 ext. citations
3.3 avg, IF	4.91 L-index

#	Paper	IF	Citations
24	Linear Algebraic Solvers and Eigenvalue Analysis **2017**, 1-28		
23	Linear Algebraic Solvers and Eigenvalue Analysis **2004**,		1
22	Eigenvalue computation in the 20th century **2001**, 209-239		9
21	Iterative solution of linear systems in the 20th century. *Journal of Computational and Applied Mathematics*, **2000**, 123, 1-33	2.4	270
20	Eigenvalue computation in the 20th century. *Journal of Computational and Applied Mathematics*, **2000**, 123, 35-65	2.4	205
19	A Jacobi--Davidson Iteration Method for Linear Eigenvalue Problems. *SIAM Review*, **2000**, 42, 267-293	7.4	170
18	Developments and trends in the parallel solution of linear systems. *Parallel Computing*, **1999**, 25, 1931-1970	1.2	68
17	Jacobi--Davidson Style QR and QZ Algorithms for the Reduction of Matrix Pencils. *SIAM Journal of Scientific Computing*, **1998**, 20, 94-125	2.6	196
16	Accelerated Inexact Newton Schemes for Large Systems of Nonlinear Equations. *SIAM Journal of Scientific Computing*, **1998**, 19, 657-674	2.6	43
15	Approximate and Incomplete Factorizations. *ICASE/LaRC Interdisciplinary Series in Science and Engineering*, **1997**, 167-202		30
14	A Jacobi–Davidson Iteration Method for Linear Eigenvalue Problems. *SIAM Journal on Matrix Analysis and Applications*, **1996**, 17, 401-425	1.5	558
13	Generalized conjugate gradient squared. *Journal of Computational and Applied Mathematics*, **1996**, 71, 125-146	2.4	33
12	Jacobi-davidson type methods for generalized eigenproblems and polynomial eigenproblems. *BIT Numerical Mathematics*, **1996**, 36, 595-633	1.7	193
11	Approximate solutions and eigenvalue bounds from Krylov subspaces. *Numerical Linear Algebra With Applications*, **1995**, 2, 115-133	1.6	167
10	Parallel numerical linear algebra. *Acta Numerica*, **1993**, 2, 111-197	15.1	96
9	ICCG and related methods for 3D problems on vector computers. *Computer Physics Communications*, **1989**, 53, 223-235	4.2	30
8	Practical aspects of parallel scientific computing. *Future Generation Computer Systems*, **1989**, 4, 285-291	7.5	4

7	High Performance Preconditioning. *SIAM Journal on Scientific and Statistical Computing*, **1989**, 10, 1174-1185		109
6	Data transport in Wang's partition method. *Parallel Computing*, **1988**, 7, 87-95	1	24
5	Large tridiagonal and block tridiagonal linear systems on vector and parallel computers. *Parallel Computing*, **1987**, 5, 45-54	1	81
4	Analysis of a parallel solution method for tridiagonal linear systems. *Parallel Computing*, **1987**, 5, 303-311	1	25
3	The performance of FORTRAN implementations for preconditioned conjugate gradients on vector computers. *Parallel Computing*, **1986**, 3, 49-58	1	49
2	A Vectorizable Variant of some ICCG Methods. *SIAM Journal on Scientific and Statistical Computing*, **1982**, 3, 350-356		97
1	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	4.1	91