Chuanqing Gu

List of Publications by Year
in descending order

38 papers	393 citations	840776 11 h-index	839539 18 g-index
38 all docs	38 docs citations	38 times ranked	146 citing authors

#	Article	IF	Citations
1	Semilocal convergence of a sixth-order Jarratt method in Banach spaces. Numerical Algorithms, 2011, 57, 441-456.	1.9	47
2	A two-step matrix splitting iteration for computing PageRank. Journal of Computational and Applied Mathematics, 2015, 278, 19-28.	2.0	40
3	An accelerated Jacobi-gradient based iterative algorithm for solving sylvester matrix equations. Filomat, 2017, 31, 2381-2390.	0.5	29
4	Semilocal convergence of a multipoint fourth-order super-Halley method in Banach spaces. Numerical Algorithms, 2011, 56, 497-516.	1.9	23
5	An Arnoldi-Inout algorithm for computing PageRank problems. Journal of Computational and Applied Mathematics, 2017, 309, 219-229.	2.0	22
6	Generalized inverse matrix PadÃ© approximation on the basis of scalar products. Linear Algebra and Its Applications, 2001, 322, 141-167.	0.9	21
7	A variant of the deteriorated PSS preconditioner for nonsymmetric saddle point problems. BIT Numerical Mathematics, 2016, 56, 587-604.	2.0	21
8	Matrix PadÃ©-type approximant and directional matrix PadÃ© approximant in the inner product space. Journal of Computational and Applied Mathematics, 2004, 164-165, 365-385.	2.0	18
9	On the multi-splitting iteration method for computing PageRank. Journal of Applied Mathematics and Computing, 2013, 42, 479-490.	2.5	15
10	Global SCD algorithm for real positive definite linear systems with multiple right-hand sides. Applied Mathematics and Computation, 2007, 189, 59-67.	2.2	13
11	On the HSS iteration methods for positive definite Toeplitz linear systems. Journal of Computational and Applied Mathematics, 2009, 224, 709-718.	2.0	12
12	A GMRES-Power algorithm for computing PageRank problems. Journal of Computational and Applied Mathematics, 2018, 343, 113-123.	2.0	12
13	Skew-symmetric methods for nonsymmetric linear systems with multiple right-hand sides. Journal of Computational and Applied Mathematics, 2009, 223, 567-577.	2.0	11
14	The computation of the square roots of circulant matrices. Applied Mathematics and Computation, 2011, 217, 6819-6829.	2.2	10
15	A practical two-dimensional thiele-type matrix pade approximation. IEEE Transactions on Automatic Control, 2003, 48, 2259-2263.	5.7	9
16	Several relaxed iteration methods for computing PageRank. Journal of Computational and Applied Mathematics, 2021, 388, 113295.	2.0	9
17	Semilocal convergence of a sixth-order method in Banach spaces. Numerical Algorithms, 2012, 61, 413-427.	1.9	8
18	Semilocal Convergence of a Class of Modified Super-Halley Methods in Banach Spaces. Journal of Optimization Theory and Applications, 2012, 153, 779-793.	1.5	8

#	Article	IF	Citations
19	The iterative methods for centrosymmetric matrices. Applied Mathematics and Computation, 2007, 187, 902-911.	2.2	6
20	Semilocal Convergence for a Fifth-Order Newton's Method Using Recurrence Relations in Banach Spaces. Journal of Applied Mathematics, 2011, 2011, 1-15.	0.9	6
21	Recurrence relations for semilocal convergence of a fifth-order method in Banach spaces. Numerical Algorithms, 2012, 59, 623-638.	1.9	6
22	A preprocessed multi-step splitting iteration for computing PageRank. Applied Mathematics and Computation, 2018, 338, 87-100.	2.2	6
23	A shift and invert reorthogonalization Arnoldi algorithm for solving the chemical master equation. Applied Mathematics and Computation, 2019, 349, 1-13.	2.2	6
24	Function-valued PadÃ©-type approximant via the formal orthogonal polynomials and its applications in solving integral equations. Journal of Computational and Applied Mathematics, 2008, 221, 114-131.	2.0	5
25	Fourth-order convergence theorem by using majorizing functions for super-Halley method in Banach spaces. International Journal of Computer Mathematics, 2013, 90, 423-434.	1.8	5
26	A flexible CMRH algorithm for nonsymmetric linear systems. Journal of Applied Mathematics and Computing, 2014, 45, 43-61.	2.5	5
27	Computing the determinants of matrix PadÃ© approximation. Applied Mathematics and Computation, 2009, 214, 433-441.	2.2	4
28	An Arnoldi-Inout method accelerated with a two-stage matrix splitting iteration for computing PageRank. Calcolo, 2017, 54, 857-879.	1.1	4
29	A two-dimensional matrix PadÃ©-type approximation in the inner product space. Journal of Computational and Applied Mathematics, 2009, 231, 680-695.	2.0	3
30	Bivariate generalized inverse Newtonâ€“Thiele type matrix PadÃ© approximation. Applied Mathematics and Computation, 2014, 236, 202-214.	2.2	3
31	An algorithm for model reduction of large-scale systems via equality constrained least squares. , 2010, , .		2
32	Function-valued PadÃ©-type approximant via E-algorithm and its applications in solving integral equations. Applied Mathematics and Computation, 2011, 217, 7975-7984.	2.2	2
33	A Polynomial Preconditioned Global CMRH Method for Linear Systems with Multiple Right-Hand Sides. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	1
34	A class of generalized relaxed PSS preconditioners for generalized saddle point problems. Applied Mathematics Letters, 2016, 58, 125-132.	2.7	1
35	A new modified king-werner method solving nonlinear equations. , 2011, , .		0
36	A New Algorithm to Approximate Bivariate Matrix Function via Newton-Thiele Type Formula. Journal of Applied Mathematics, 2013, 2013, 1-10.	0.9	0

#	Article	IF	Citations
37	The Tensor PadeÂ´-Type Approximant with Application in Computing Tensor Exponential Function. Journal of Function Spaces, 2018, 2018, 1-10.	0.9	0
38	A Triangle Algorithm of PadÃ©-Type Approximant for Two-Dimensional Fredholm Integral Equations of the Second Kind. Mathematical Problems in Engineering, 2018, 2018, 1-9.	1.1	0