Xiang Wang

List of Publications by Year
in descending order

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36	460	840776 11	713466 21
papers	citations	h-index	g-index

36	36	36	134
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A relaxed gradient based algorithm for solving sylvester equations. Asian Journal of Control, 2011, 13, 461-464.	3.0	70
2	On Hermitian and skew-Hermitian splitting iteration methods for the linear matrix equation <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si15.gif" display="inline" overflow="scroll"><mml:mi>A</mml:mi><mml:mi>X</mml:mi><mml:mi>B</mml:mi><mml:mo>=</mml:mo><mml:mi>C</mml:mi></mm Computers and Mathematics With Applications, 2013, 65, 657-664.	2.7	59
3	On positive-definite and skew-Hermitian splitting iteration methods for continuous Sylvester equation <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si30.gif" display="inline" overflow="scroll"><mml:mi>A</mml:mi><mml:mi>X</mml:mi><mml:mo>+</mml:mo><mml:mi>X</mml:mi><mml:mi>B</mml:mi><m Computers and Mathematics With Applications, 2013, 66, 2352-2361.	2.7	53
4	A modified gradient based algorithm for solving Sylvester equations. Applied Mathematics and Computation, 2012, 218, 5620-5628.	2.2	46
5	The general two-sweep modulus-based matrix splitting iteration method for solving linear complementarity problems. Computers and Mathematics With Applications, 2019, 77, 1071-1081.	2.7	25
6	A generalization of the Hermitian and skew-Hermitian splitting iteration method for solving Sylvester equations. Applied Mathematics and Computation, 2015, 271, 609-617.	2.2	22
7	Preconditioned Positive-Definite and Skew-Hermitian Splitting Iteration Methods for Continuous Sylvester Equations AX + XB = C. East Asian Journal on Applied Mathematics, 2017, 7, 55-69.	0.9	22
8	A finite iterative algorithm for solving the generalized <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mi>P</mml:mi><mml:mo>,</mml:mo><mml:mi>Q</mml:mi><mml:mo>)< solution of the linear systems of matrix equations. Mathematical and Computer Modelling, 2011, 54, 2117-2131.	2.0	21
9	The optimal convergence factor of the gradient based iterative algorithm for linear matrix equations. Filomat, 2012, 26, 607-613.	0.5	15
10	Efficient single-step preconditioned HSS iteration methods for complex symmetric linear systems. Computers and Mathematics With Applications, 2017, 74, 2269-2280.	2.7	13
11	A modified GPSS method for non-Hermitian positive definite linear systems. Applied Mathematics and Computation, 2014, 234, 253-259.	2.2	11
12	A preconditioned general two-step modulus-based matrix splitting iteration method for linear complementarity problems of H+-matrices. Numerical Algorithms, 2019, 82, 969-986.	1.9	11
13	Efficient preconditioned NHSS iteration methods for solving complex symmetric linear systems. Computers and Mathematics With Applications, 2018, 75, 235-247.	2.7	8
14	Development and analysis of Crankâ€Nicolson scheme for metamaterial Maxwell's equations on nonuniform rectangular grids. Numerical Methods for Partial Differential Equations, 2018, 34, 2040-2059.	3.6	8
15	An Efficient Numerical Method for the Symmetric Positive Definite Second-Order Cone Linear Complementarity Problem. Journal of Scientific Computing, 2019, 79, 1608-1629.	2.3	7
16	A generalized two-step modulus-based matrix splitting iteration method for implicit complementarity problems of H+-matrices. Filomat, 2019, 33, 4875-4888.	0.5	7
17	A refined Arnoldi type method for large scale eigenvalue problems. Japan Journal of Industrial and Applied Mathematics, 2013, 30, 129-143.	0.9	6
18	Commuting solutions of the Yangâ€“Baxter-like matrix equation for a class of rank-two updated matrices. Computers and Mathematics With Applications, 2018, 76, 1085-1098.	2.7	6

#	Article	IF	Citations
19	Optimal control for electromagnetic cloaking metamaterial parameters design. Computers and Mathematics With Applications, 2020, 79, 1165-1176.	2.7	6
20	On inexact Newton methods based on doubling iteration scheme for symmetric algebraic Riccati equations. Journal of Computational and Applied Mathematics, 2014, 260, 364-374.	2.0	5
21	Generalized AOR method for solving a class of generalized saddle point problems. Journal of Computational and Applied Mathematics, 2019, 350, 69-79.	2.0	5
22	A refined variant of the inverse-free Krylov subspace method for symmetric generalized eigenvalue problems. Japan Journal of Industrial and Applied Mathematics, 2013, 30, 465-482.	0.9	4
23	A modified second-order Arnoldi method for solving the quadratic eigenvalue problems. Computers and Mathematics With Applications, 2017, 73, 327-338.	2.7	4
24	A single-step iteration method for non-Hermitian positive definite linear systems. Journal of Computational and Applied Mathematics, 2019, 346, 471-482.	2.0	4
25	Strong solutions to the 2D Cauchy problem of nonhomogeneous magnetohydrodynamic equations with vacuum. Journal of Mathematical Physics, 2020, 61, 101501.	1.1	4
26	High order approximation of derivatives with applications to pricing of financial derivatives. Journal of Computational and Applied Mathematics, 2021, 398, 113675.	2.0	4
27	A refined shifted block inverse-free Krylov subspace method for symmetric generalized eigenvalue problems. Computers and Mathematics With Applications, 2013, 66, 1137-1146.	2.7	3
28	A primal dual proximal point method of Chambolle-Pock algorithm for total variation image reconstruction. , 2013, , .		3
29	The Nonlinear Lopsided HSS-Like Modulus-Based Matrix Splitting Iteration Method for Linear Complementarity Problems with Positive-Definite Matrices. Communications on Applied Mathematics and Computation, 2021, 3, 109-122.	1.7	2
30	A randomised iterative method for solving factorised linear systems. Linear and Multilinear Algebra, 2023, 71, 242-255.	1.0	2
31	Spectral clustering based on the local similarity measure of shared neighbors. ETRI Journal, 2022, 44, 769-779.	2.0	2
32	A Deep Learning Based Numerical PDE Method for Option Pricing. Computational Economics, 2023, 62, 149-164.	2.6	2
33	Solving shifted linear systems with restarted GMRES augmented with error approximations. Computers and Mathematics With Applications, 2019, 78, 1910-1918.	2.7	0
34	On preconditioned normal and skew-Hermitian splitting iteration method for continuous Sylvester equations AX + XB = C*. Filomat, 2018, 32, 2207-2217.	0.5	0
35	On the conditioning for heavily damped quadratic eigenvalue problem solved by linearizations. Japan Journal of Industrial and Applied Mathematics, 2022, 39, 419-441.	0.9	0
36	Solving symmetric and positive definite second-order cone linear complementarity problem by a rational Krylov subspace method. Applied Numerical Mathematics, 2022, 176, 104-117.	2.1	0