

Ai-Li Yang

List of Publications by Year in descending order

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papers

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all docs

40
docs citations

40
times ranked

118
citing authors

#	ARTICLE	IF	CITATIONS
1	Lopsided PMHSS iteration method for a class of complex symmetric linear systems. Numerical Algorithms, 2014, 66, 555-568.	1.1	69
2	A generalized preconditioned HSS method for non-Hermitian positive definite linear systems. Applied Mathematics and Computation, 2010, 216, 1715-1722.	1.4	45
3	Pinning adaptive anti-synchronization between two general complex dynamical networks with non-delayed and delayed coupling. Applied Mathematics and Computation, 2012, 218, 7445-7452.	1.4	42
4	The Uzawaâ€“HSS method for saddle-point problems. Applied Mathematics Letters, 2014, 38, 38-42.	1.5	34
5	On semi-convergence of the Uzawaâ€“HSS method for singular saddle-point problems. Applied Mathematics and Computation, 2015, 252, 88-98.	1.4	31
6	The modified shift-splitting preconditioners for nonsymmetric saddle-point problems. Applied Mathematics Letters, 2016, 59, 109-114.	1.5	22
7	Scaled norm minimization method for computing the parameters of the HSS and the twoâ€“parameter HSS preconditioners. Numerical Linear Algebra With Applications, 2018, 25, e2169.	0.9	21
8	Modified accelerated parameterized inexact Uzawa method for singular and nonsingular saddle point problems. Applied Mathematics and Computation, 2014, 244, 552-560.	1.4	19
9	Parameterized preconditioned Hermitian and skew-Hermitian splitting iteration method for saddle-point problems. International Journal of Computer Mathematics, 2014, 91, 1224-1238.	1.0	18
10	On generalized parameterized inexact Uzawa methods for singular saddle-point problems. Numerical Algorithms, 2015, 69, 579-593.	1.1	15
11	Newton-MHSS methods for solving systems of nonlinear equations with complex symmetric Jacobian matrices. Numerical Algebra, Control and Optimization, 2012, 2, 839-853.	1.0	14
12	Minimum residual Hermitian and skew-Hermitian splitting iteration method for non-Hermitian positive definite linear systems. BIT Numerical Mathematics, 2019, 59, 299-319.	1.0	11
13	On semi-convergence of generalized skew-Hermitian triangular splitting iteration methods for singular saddle-point problems. Linear Algebra and Its Applications, 2014, 459, 493-510.	0.4	10
14	General constraint preconditioning iteration method for singular saddle-point problems. Journal of Computational and Applied Mathematics, 2015, 282, 157-166.	1.1	10
15	The semi-convergence properties of MHSS method for a class of complex nonsymmetric singular linear systems. Numerical Algorithms, 2014, 66, 705-719.	1.1	9
16	A two-parameter block triangular preconditioner for double saddle point problem arising from liquid crystal directors modeling. Numerical Algorithms, 2022, 89, 987-1006.	1.1	9
17	Modified parameterized inexact Uzawa method for singular saddle-point problems. Numerical Algorithms, 2016, 72, 325-339.	1.1	8
18	Uniform convergence analysis of finite difference approximations for advectionâ€“reactionâ€“diffusion problem on adaptive grids. International Journal of Computer Mathematics, 2011, 88, 3292-3307.	1.0	5

#	ARTICLE	IF	CITATIONS
19	A relaxed block-triangular splitting preconditioner for generalized saddle-point problems. <i>International Journal of Computer Mathematics</i> , 2017, 94, 1609-1623.	1.0	5
20	Preconditioned HSS iteration method and its non-alternating variant for continuous Sylvester equations. <i>Computers and Mathematics With Applications</i> , 2018, 75, 1095-1106.	1.4	4
21	Minimum residual modified HSS iteration method for a class of complex symmetric linear systems. <i>Numerical Algorithms</i> , 2021, 86, 1543-1559.	1.1	4
22	Bi-parameter incremental unknowns ADI iterative methods for elliptic problems. <i>Numerical Algorithms</i> , 2012, 60, 483-499.	1.1	3
23	Algebraic preconditioning analysis of the multilevel block incremental unknowns method for anisotropic elliptic operators. <i>Mathematical and Computer Modelling</i> , 2013, 57, 512-524.	2.0	3
24	Parameterized preconditioned Hermitian and skew-Hermitian splitting iteration method for a class of linear matrix equations. <i>Computers and Mathematics With Applications</i> , 2015, 70, 1357-1367.	1.4	3
25	A New Uzawa-Type Iteration Method for Non-Hermitian Saddle-Point Problems. <i>East Asian Journal on Applied Mathematics</i> , 2017, 7, 211-226.	0.4	3
26	On the convergence of the minimum residual HSS iteration method. <i>Applied Mathematics Letters</i> , 2019, 94, 210-216.	1.5	3
27	A parameterized deteriorated PSS preconditioner and its optimization for nonsymmetric saddle point problems. <i>Computers and Mathematics With Applications</i> , 2020, 79, 1420-1434.	1.4	3
28	A Generalized HSS Iteration Method for Continuous Sylvester Equations. <i>Journal of Applied Mathematics</i> , 2014, 2014, 1-9.	0.4	2
29	Wavelet-Like Block Incremental Unknowns for Numerical Computation of Anisotropic Parabolic Equations. , 2009, , .		1
30	Preconditioning analysis of the one dimensional incremental unknowns method on nonuniform meshes. <i>Journal of Applied Mathematics and Computing</i> , 2014, 44, 379-395.	1.2	1
31	Preconditioning analysis of nonuniform incremental unknowns method for two dimensional elliptic problems. <i>Applied Mathematical Modelling</i> , 2015, 39, 5436-5451.	2.2	1
32	Two modified block-triangular splitting preconditioners for generalized saddle-point problems. <i>Computers and Mathematics With Applications</i> , 2017, 74, 1176-1197.	1.4	1
33	How to compute the optimal parameters of the parameterized PMHSS preconditioner?. <i>Applied Mathematics Letters</i> , 2018, 86, 8-13.	1.5	1
34	Convergence analysis of modified PGSS methods for singular saddle-point problems. <i>Computers and Mathematics With Applications</i> , 2019, 77, 93-104.	1.4	1
35	How to compute the minimum norm least squares solution of singular linear system by using the preconditioned HSS method?. <i>Numerical Algorithms</i> , 2020, 83, 1205-1221.	1.1	1
36	Implementation of a modified Marderâ€™Weitzner method for solving nonlinear eigenvalue problems. <i>Journal of Computational and Applied Mathematics</i> , 2009, 226, 166-176.	1.1	0

#	ARTICLE	IF	CITATIONS
37	Convergence of a generalized PMHSS method for a class of singular block two-by-two linear systems. Computational and Applied Mathematics, 2020, 39, 1.	1.0	0
38	Incremental unknowns methods for the alternating directional implicit and semi-implicit schemes. Interdisciplinary Mathematical Sciences, 2013, , 143-157.	0.4	0
39	Multilevel wavelet-like block incremental unknowns methods for a class of reaction-diffusion equations. Interdisciplinary Mathematical Sciences, 2013, , 205-223.	0.4	0
40	Modulus-based inexact non-alternating preconditioned splitting method for linear complementarity problems. Linear and Multilinear Algebra, 0, , 1-19.	0.5	0