

Seak-Weng Vong

List of Publications by Year in descending order

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104
papers

1,868
citations

279487

23
h-index

301761

39
g-index

104
all docs

104
docs citations

104
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Two inertial-type algorithms for solving the split feasibility problem. <i>Optimization</i> , 2023, 72, 2661-2678.	1.0	1
2	Mathematical analysis and numerical methods for Caputo-Hadamard fractional diffusion-wave equations. <i>Applied Numerical Mathematics</i> , 2022, 177, 34-57.	1.2	23
3	Some new results on the consensus of coupled harmonic oscillators with impulsive control. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 1960-1972.	2.1	0
4	A delay-variation-dependent stability criterion for discrete-time systems via a bivariate quadratic function negative-determination lemma. <i>Journal of the Franklin Institute</i> , 2022, 359, 4976-4996.	1.9	6
5	A two-step modulus-based matrix splitting iteration method for horizontal linear complementarity problems. <i>Numerical Algorithms</i> , 2021, 86, 1791-1810.	1.1	25
6	Optimal Stopping Time of a Portfolio Selection Problem with Multi-assets. <i>Journal of the Operations Research Society of China</i> , 2021, 9, 163-179.	0.9	0
7	A fast linearized numerical method for nonlinear time-fractional diffusion equations. <i>Numerical Algorithms</i> , 2021, 87, 381-408.	1.1	8
8	An inexact alternating direction method of multipliers for a kind of nonlinear complementarity problems. <i>Numerical Algebra, Control and Optimization</i> , 2021, 11, 353.	1.0	2
9	On worst-case condition numbers of a multiple nonzero finite generalized singular value. <i>Linear Algebra and Its Applications</i> , 2021, 616, 1-18.	0.4	0
10	Exponential stability of time delay systems based on intermediate polynomial-based weighted functions. <i>Applied Mathematics Letters</i> , 2021, 116, 107055.	1.5	2
11	On the modulus-based successive overrelaxation iteration method for horizontal linear complementarity problems arising from hydrodynamic lubrication. <i>Applied Mathematics and Computation</i> , 2021, 402, 126165.	1.4	5
12	Free-weighting-matrix inequality for exponential stability for neural networks with time-varying delay. <i>Neurocomputing</i> , 2021, 466, 221-228.	3.5	8
13	Second-Order and Nonuniform Time-Stepping Schemes for Time Fractional Evolution Equations with Time-Dependent Space Dependent Coefficients. <i>Journal of Scientific Computing</i> , 2021, 89, 1.	1.1	6
14	Finite-time stability for discrete-time systems with time-varying delay and nonlinear perturbations by weighted inequalities. <i>Journal of the Franklin Institute</i> , 2020, 357, 294-313.	1.9	15
15	Inexact generalized Noda iterations for generalized eigenproblems. <i>Journal of Computational and Applied Mathematics</i> , 2020, 366, 112418.	1.1	2
16	High accuracy error estimates of a Galerkin finite element method for nonlinear time fractional diffusion equation. <i>Numerical Methods for Partial Differential Equations</i> , 2020, 36, 284-301.	2.0	10
17	An iteration method for nonlinear complementarity problems. <i>Journal of Computational and Applied Mathematics</i> , 2020, 372, 112681.	1.1	4
18	A nonuniform L2 formula of Caputo derivative and its application to a fractional Benjamin-Bona-Mahony type equation with nonsmooth solutions. <i>Numerical Methods for Partial Differential Equations</i> , 2020, 36, 579-600.	2.0	6

#	ARTICLE	IF	CITATIONS
19	On convergence of the modulus-based matrix splitting iteration method for horizontal linear complementarity problems of H -matrices. Applied Mathematics and Computation, 2020, 369, 124890.	1.4	17
20	An efficient numerical method for fractional differential equations. Applied Mathematics Letters, 2020, 103, 106156.	1.5	5
21	Exponential synchronization of coupled inertial neural networks with mixed delays via weighted integral inequalities. International Journal of Robust and Nonlinear Control, 2020, 30, 7341-7354.	2.1	11
22	Multilinear PageRank: Uniqueness, error bound and perturbation analysis. Applied Numerical Mathematics, 2020, 156, 584-607.	1.2	9
23	A Riemannian Optimization Approach for Solving the Generalized Eigenvalue Problem for Nonsquare Matrix Pencils. Journal of Scientific Computing, 2020, 82, 1.	1.1	5
24	A new preconditioned SOR method for solving multi-linear systems with an M -tensor. Calcolo, 2020, 57, 1.	0.6	13
25	An Efficient Second-Order Convergent Scheme for One-Side Space Fractional Diffusion Equations with Variable Coefficients. Communications on Applied Mathematics and Computation, 2020, 2, 215-239.	0.7	5
26	Scaled consensus for coupled harmonic oscillators via sampled position data. IET Control Theory and Applications, 2020, 14, 2776-2783.	1.2	3
27	The relaxation modulus-based matrix splitting iteration method for solving a class of nonlinear complementarity problems. International Journal of Computer Mathematics, 2019, 96, 1648-1667.	1.0	18
28	A study on a second order finite difference scheme for fractional advection-diffusion equations. Numerical Methods for Partial Differential Equations, 2019, 35, 493-508.	2.0	5
29	Improved convergence theorems of the two-step modulus-based matrix splitting and synchronous multisplitting iteration methods for solving linear complementarity problems. Linear and Multilinear Algebra, 2019, 67, 1773-1784.	0.5	21
30	Relaxation methods for solving the tensor equation arising from the higher-order Markov chains. Numerical Linear Algebra With Applications, 2019, 26, e2260.	0.9	21
31	A High-Order Method with a Temporal Nonuniform Mesh for a Time-Fractional Benjamin-Bona-Mahony Equation. Journal of Scientific Computing, 2019, 80, 1607-1628.	1.1	34
32	Newton-type methods for solving quasi-complementarity problems via sign-based equation. Calcolo, 2019, 56, 1.	0.6	3
33	A direct preconditioned modulus-based iteration method for solving nonlinear complementarity problems of H -matrices. Applied Mathematics and Computation, 2019, 353, 396-405.	1.4	15
34	A graded scheme with bounded grading for a time-fractional Boussinesq type equation. Applied Mathematics Letters, 2019, 92, 35-40.	1.5	3
35	A modified modulus-based matrix splitting iteration method for solving implicit complementarity problems. Numerical Algorithms, 2019, 82, 573-592.	1.1	24
36	On a second order scheme for space fractional diffusion equations with variable coefficients. Applied Numerical Mathematics, 2019, 137, 34-48.	1.2	12

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37	Noda iterations for generalized eigenproblems following Perron-Frobenius theory. Numerical Algorithms, 2019, 80, 937-955.	1.1	4
38	Some bounds for H-eigenpairs and Z-eigenpairs of a tensor. Journal of Computational and Applied Mathematics, 2018, 342, 37-57.	1.1	2
39	Unconditional Convergence in Maximum-Norm of a Second-Order Linearized Scheme for a Time-Fractional Burgers-Type Equation. Journal of Scientific Computing, 2018, 76, 1252-1273.	1.1	20
40	Some refined bounds for the perturbation of the orthogonal projection and the generalized inverse. Numerical Algorithms, 2018, 79, 657-677.	1.1	5
41	On perturbation bounds of the linear complementarity problem. Linear and Multilinear Algebra, 2018, 66, 625-638.	0.5	2
42	The tensor splitting with application to solve multi-linear systems. Journal of Computational and Applied Mathematics, 2018, 330, 75-94.	1.1	70
43	Tensor complementarity problems: the GUS-property and an algorithm. Linear and Multilinear Algebra, 2018, 66, 1726-1749.	0.5	54
44	Approximate inversion method for time-fractional subdiffusion equations. Numerical Linear Algebra With Applications, 2018, 25, e2132.	0.9	16
45	A linearized second-order finite difference scheme for time fractional generalized BBM equation. Applied Mathematics Letters, 2018, 78, 16-23.	1.5	7
46	A linearized second-order scheme for nonlinear time fractional Klein-Gordon type equations. Numerical Algorithms, 2018, 78, 485-511.	1.1	28
47	Second-order BDF time approximation for Riesz space-fractional diffusion equations. International Journal of Computer Mathematics, 2018, 95, 144-158.	1.0	21
48	A linearized and second-order unconditionally convergent scheme for coupled time fractional Klein-Gordon-Schrödinger equation. Numerical Methods for Partial Differential Equations, 2018, 34, 2153-2179.	2.0	9
49	Improved exponential stability criteria of time-delay systems via weighted integral inequalities. Applied Mathematics Letters, 2018, 86, 14-21.	1.5	18
50	Comparison results for splitting iterations for solving multi-linear systems. Applied Numerical Mathematics, 2018, 134, 105-121.	1.2	38
51	The modulus-based nonsmooth Newton's method for solving a class of nonlinear complementarity problems of P-matrices. Calcolo, 2018, 55, 1.	0.6	13
52	An inertial Mann algorithm for nonexpansive mappings. Journal of Fixed Point Theory and Applications, 2018, 20, 1.	0.6	5
53	Uniqueness and perturbation bounds for sparse non-negative tensor equations. Frontiers of Mathematics in China, 2018, 13, 849-874.	0.4	0
54	A relaxation modulus-based matrix splitting iteration method for solving linear complementarity problems. Numerical Algorithms, 2017, 74, 137-152.	1.1	52

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55	The uniqueness of multilinear PageRank vectors. Numerical Linear Algebra With Applications, 2017, 24, e2107.	0.9	22
56	Stability of fully discrete schemes with interpolation-type fractional formulas for distributed-order subdiffusion equations. Numerical Algorithms, 2017, 75, 845-878.	1.1	21
57	High-order compact schemes for fractional differential equations with mixed derivatives. Numerical Methods for Partial Differential Equations, 2017, 33, 2141-2158.	2.0	1
58	On the Bound of the Eigenvalue in Module for a Positive Tensor. Journal of the Operations Research Society of China, 2017, 5, 123-129.	0.9	2
59	On the variation of the spectrum of a Hermitian matrix. Applied Mathematics Letters, 2017, 65, 70-76.	1.5	2
60	On numerical contour integral method for fractional diffusion equations with variable coefficients. Applied Mathematics Letters, 2017, 64, 137-142.	1.5	3
61	A Finite Difference Method for Boundary Value Problems of a Caputo Fractional Differential Equation. East Asian Journal on Applied Mathematics, 2017, 7, 752-766.	0.4	2
62	A compact difference scheme for a two dimensional nonlinear fractional Klein-Gordon equation in polar coordinates. Computers and Mathematics With Applications, 2016, 71, 2524-2540.	1.4	10
63	Finite difference schemes for two-dimensional time-space fractional differential equations. International Journal of Computer Mathematics, 2016, 93, 578-595.	1.0	17
64	Fully discrete local discontinuous Galerkin methods for some time-fractional fourth-order problems. International Journal of Computer Mathematics, 2016, 93, 1665-1682.	1.0	35
65	High order finite difference method for time-space fractional differential equations with Caputo and Riemann-Liouville derivatives. Numerical Algorithms, 2016, 72, 195-210.	1.1	64
66	A Compact Difference Scheme for Fractional Sub-diffusion Equations with the Spatially Variable Coefficient Under Neumann Boundary Conditions. Journal of Scientific Computing, 2016, 66, 725-739.	1.1	42
67	Sensitivity analysis for the symplectic QR factorization. Journal of the Franklin Institute, 2016, 353, 1186-1205.	1.9	4
68	An Introduction to Applied Matrix Analysis. Series in Contemporary Applied Mathematics, 2016, , .	0.8	5
69	Generalizations of some Hermite-Hadamard-type inequalities. Indian Journal of Pure and Applied Mathematics, 2015, 46, 359-370.	0.3	4
70	Z-eigenpair bounds for an irreducible nonnegative tensor. Linear Algebra and Its Applications, 2015, 483, 182-199.	0.4	34
71	A compact ADI scheme for the two dimensional time fractional diffusion-wave equation in polar coordinates. Numerical Methods for Partial Differential Equations, 2015, 31, 1692-1712.	2.0	4
72	Error bounds for linear complementarity problems of MB-matrices. Numerical Algorithms, 2015, 70, 341-356.	1.1	38

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73	A high order compact finite difference scheme for time fractional Fokker-Planck equations. Applied Mathematics Letters, 2015, 43, 38-43.	1.5	39
74	A high-order compact scheme for the nonlinear fractional Klein-Gordon equation. Numerical Methods for Partial Differential Equations, 2015, 31, 706-722.	2.0	26
75	A high-order ADI scheme for the two-dimensional time fractional diffusion-wave equation. International Journal of Computer Mathematics, 2015, 92, 970-979.	1.0	27
76	A survey on the Böttcher-Wenzel conjecture and related problems. Operators and Matrices, 2015, , 659-673.	0.1	7
77	Circulant and skew-circulant splitting iteration for fractional advection-diffusion equations. International Journal of Computer Mathematics, 2014, 91, 2232-2242.	1.0	29
78	On some generalizations of an Ostrowski-Grass type integral inequality. Applied Mathematics and Computation, 2014, 229, 239-244.	1.4	2
79	On eigenvalue perturbation bounds for Hermitian block tridiagonal matrices. Applied Numerical Mathematics, 2014, 83, 38-50.	1.2	2
80	A compact difference scheme for a two dimensional fractional Klein-Gordon equation with Neumann boundary conditions. Journal of Computational Physics, 2014, 274, 268-282.	1.9	67
81	Compact difference schemes for the modified anomalous fractional sub-diffusion equation and the fractional diffusion-wave equation. Journal of Computational Physics, 2014, 277, 1-15.	1.9	273
82	A high-order exponential ADI scheme for two dimensional time fractional convection-diffusion equations. Computers and Mathematics With Applications, 2014, 68, 185-196.	1.4	30
83	Compact Finite Difference Scheme for the Fourth-Order Fractional Subdiffusion System. Advances in Applied Mathematics and Mechanics, 2014, 6, 419-435.	0.7	30
84	High Order Difference Schemes for a Time Fractional Differential Equation with Neumann Boundary Conditions. East Asian Journal on Applied Mathematics, 2014, 4, 222-241.	0.4	20
85	A note on the stability of a second order finite difference scheme for space fractional diffusion equations. Numerical Algebra, Control and Optimization, 2014, 4, 317-325.	1.0	4
86	The Mediating Morphism of the Multilinear Optimal Map. East Asian Journal on Applied Mathematics, 2014, 4, 82-87.	0.4	0
87	On a discrete-time collocation method for the nonlinear Schrödinger equation with wave operator. Numerical Methods for Partial Differential Equations, 2013, 29, 693-705.	2.0	2
88	Positive solutions of singular fractional differential equations with integral boundary conditions. Mathematical and Computer Modelling, 2013, 57, 1053-1059.	2.0	40
89	On some Ostrowski-type inequalities involving \sin function $\text{altimg}="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/table-struct/dtd" xmlns:tbl_struct_map="http://www.elsevier.com/xml/common/table-struct-map/dtd"/>$	1.5	3
90	A Gauss-Newton-like method for inverse eigenvalue problems. International Journal of Computer Mathematics, 2013, 90, 1435-1447.	1.0	6

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91	A High-Order Difference Scheme for the Generalized Cattaneo Equation. East Asian Journal on Applied Mathematics, 2012, 2, 170-184.	0.4	27
92	On some inverse singular value problems with Toeplitz-related structure. Numerical Algebra, Control and Optimization, 2012, 2, 187-192.	1.0	7
93	An Ulm-like Method for Inverse Singular Value Problems. SIAM Journal on Matrix Analysis and Applications, 2011, 32, 412-429.	0.7	17
94	On a generalization of Aczals inequality. Applied Mathematics Letters, 2011, 24, 1301-1307.	1.5	5
95	A note on some Ostrowski-like type inequalities. Computers and Mathematics With Applications, 2011, 62, 532-535.	1.4	16
96	Circulant preconditioners for pricing options. Linear Algebra and Its Applications, 2011, 434, 2325-2342.	0.4	2
97	Commutators with maximal Frobenius norm. Linear Algebra and Its Applications, 2010, 432, 292-306.	0.4	13
98	Convergence analysis of superoptimal PCG algorithm for Toeplitz systems with a Fisher-Hartwig singularity. Linear Algebra and Its Applications, 2008, 428, 535-549.	0.4	0
99	Proof of Bottcher and Wenzel's Conjecture. Operators and Matrices, 2008, , 435-442.	0.1	31
100	Unitarily Invariant Norms of Toeplitz Matrices with Fisher-Hartwig Singularities. SIAM Journal on Matrix Analysis and Applications, 2007, 29, 850-854.	0.7	0
101	A note on spectra of optimal and superoptimal preconditioned matrices. Linear Algebra and Its Applications, 2007, 422, 482-485.	0.4	8
102	A NOTE ON THE EXISTENCE AND NONEXISTENCE OF GLOBALLY BOUNDED CLASSICAL SOLUTIONS FOR NONISENTROPIC GAS DYNAMICS. Acta Mathematica Scientia, 2006, 26, 537-540.	0.5	6
103	The Boltzmann equation with frictional force. Journal of Differential Equations, 2006, 222, 95-136.	1.1	5
104	Compressible Navier-Stokes equations with degenerate viscosity coefficient and vacuum (II). Journal of Differential Equations, 2003, 192, 475-501.	1.1	103