Seak-Weng Vong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3840512/publications.pdf

Version: 2024-02-01

		279701	302012
104	1,868	23	39
papers	citations	h-index	g-index

104	104	104	712
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Compressible Navierâ€“Stokes equations with degenerate viscosity coefficient and vacuum (II). Journal of Differential Equations, 2003, 192, 475-501.	1.1	103
3	The tensor splitting with application to solve multi-linear systems. Journal of Computational and Applied Mathematics, 2018, 330, 75-94.	1.1	70
4	A compact difference scheme for a two dimensional fractional Kleinâ€“Gordon equation with Neumann boundary conditions. Journal of Computational Physics, 2014, 274, 268-282.	1.9	67
5	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
6	Tensor complementarity problems: the GUS-property and an algorithm. Linear and Multilinear Algebra, 2018, 66, 1726-1749.	0.5	54
7	A relaxation modulus-based matrix splitting iteration method for solving linear complementarity problems. Numerical Algorithms, 2017, 74, 137-152.	1.1	52
8	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
9	Positive solutions of singular fractional differential equations with integral boundary conditions. Mathematical and Computer Modelling, 2013, 57, 1053-1059.	2.0	40
10	A high order compact finite difference scheme for time fractional Fokkerâ€“Planck equations. Applied Mathematics Letters, 2015, 43, 38-43.	1.5	39
11	Error bounds for linear complementarity problems of MB-matrices. Numerical Algorithms, 2015, 70, 341-356.	1.1	38
12	Comparison results for splitting iterations for solving multi-linear systems. Applied Numerical Mathematics, 2018, 134, 105-121.	1.2	38
13	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
14	Z-eigenpair bounds for an irreducible nonnegative tensor. Linear Algebra and Its Applications, 2015, 483, 182-199.	0.4	34
15	A High-Order Method with a Temporal Nonuniform Mesh for a Time-Fractional Benjaminâ€“Bonaâ€“Mahony Equation. Journal of Scientific Computing, 2019, 80, 1607-1628.	1.1	34
16	Proof of BÃ¶ttcher and Wenzel's Conjecture. Operators and Matrices, 2008, , 435-442.	0.1	31
17	A high-order exponential ADI scheme for two dimensional time fractional convectionâ€“diffusion equations. Computers and Mathematics With Applications, 2014, 68, 185-196.	1.4	30
18	Compact Finite Difference Scheme for the Fourth-Order Fractional Subdiffusion System. Advances in Applied Mathematics and Mechanics, 2014, 6, 419-435.	0.7	30

#	Article	IF	Citations
19	Circulant and skew-circulant splitting iteration for fractional advectionâ€“diffusion equations. International Journal of Computer Mathematics, 2014, 91, 2232-2242.	1.0	29
20	A linearized second-order scheme for nonlinear time fractional Klein-Gordon type equations. Numerical Algorithms, 2018, 78, 485-511.	1.1	28
21	A High-Order Difference Scheme for the Generalized Cattaneo Equation. East Asian Journal on Applied Mathematics, 2012, 2, 170-184.	0.4	27
22	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
23	A highâ€order compact scheme for the nonlinear fractional <scp>K</scp>leinâ€“<scp>G</scp>ordon equation. Numerical Methods for Partial Differential Equations, 2015, 31, 706-722.	2.0	26
24	A two-step modulus-based matrix splitting iteration method for horizontal linear complementarity problems. Numerical Algorithms, 2021, 86, 1791-1810.	1.1	25
25	A modified modulus-based matrix splitting iteration method for solving implicit complementarity problems. Numerical Algorithms, 2019, 82, 573-592.	1.1	24
26	Mathematical analysis and numerical methods for Caputo-Hadamard fractional diffusion-wave equations. Applied Numerical Mathematics, 2022, 177, 34-57.	1.2	23
27	The uniqueness of multilinear PageRank vectors. Numerical Linear Algebra With Applications, 2017, 24, e2107.	0.9	22
28	Stability of fully discrete schemes with interpolation-type fractional formulas for distributed-order subdiffusion equations. Numerical Algorithms, 2017, 75, 845-878.	1.1	21
29	Second-order BDF time approximation for Riesz space-fractional diffusion equations. International Journal of Computer Mathematics, 2018, 95, 144-158.	1.0	21
30	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
31	Relaxation methods for solving the tensor equation arising from the higherâ€order Markov chains. Numerical Linear Algebra With Applications, 2019, 26, e2260.	0.9	21
32	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
33	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
34	Improved exponential stability criteria of time-delay systems via weighted integral inequalities. Applied Mathematics Letters, 2018, 86, 14-21.	1.5	18
35	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
36	An Ulm-like Method for Inverse Singular Value Problems. SIAM Journal on Matrix Analysis and Applications, 2011, 32, 412-429.	0.7	17

#	Article	IF	Citations
37	Finite difference schemes for two-dimensional time-space fractional differential equations. International Journal of Computer Mathematics, 2016, 93, 578-595.	1.0	17
38	On convergence of the modulus-based matrix splitting iteration method for horizontal linear complementarity problems of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.svg"><mml:msub><mml:mi>H</mml:mi><mml:mo>+</mml:mo></mml:msub></mml:math>-matrices. Applied Mathematics and Computation, 2020, 369, 124890.	1.4	17
39	A note on some Ostrowski-like type inequalities. Computers and Mathematics With Applications, 2011, 62, 532-535.	1.4	16
40	Approximate inversion method for timeâ€fractional subdiffusion equations. Numerical Linear Algebra With Applications, 2018, 25, e2132.	0.9	16
41	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
42	Finite-time stability for discrete-time systems with time-varying delay and nonlinear perturbations by weighted inequalities. Journal of the Franklin Institute, 2020, 357, 294-313.	1.9	15
43	Commutators with maximal Frobenius norm. Linear Algebra and Its Applications, 2010, 432, 292-306.	0.4	13
44	The modulus-based nonsmooth Newtonâ€™s method for solving a class of nonlinear complementarity problems of P-matrices. Calcolo, 2018, 55, 1.	0.6	13
45	A new preconditioned SOR method for solving multi-linear systems with an $${mathcal {M}}$$-tensor. Calcolo, 2020, 57, 1.	0.6	13
46	On a second order scheme for space fractional diffusion equations with variable coefficients. Applied Numerical Mathematics, 2019, 137, 34-48.	1.2	12
47	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
48	A compact difference scheme for a two dimensional nonlinear fractional Kleinâ€“Gordon equation in polar coordinates. Computers and Mathematics With Applications, 2016, 71, 2524-2540.	1.4	10
49	High accuracy error estimates of a Galerkin finite element method for nonlinear time fractional diffusion equation. Numerical Methods for Partial Differential Equations, 2020, 36, 284-301.	2.0	10
50	A linearized and secondâ€order unconditionally convergent scheme for coupled time fractional Kleinâ€Gordonâ€Schrödinger equation. Numerical Methods for Partial Differential Equations, 2018, 34, 2153-2179.	2.0	9
51	Multilinear PageRank: Uniqueness, error bound and perturbation analysis. Applied Numerical Mathematics, 2020, 156, 584-607.	1.2	9
52	A note on spectra of optimal and superoptimal preconditioned matrices. Linear Algebra and Its Applications, 2007, 422, 482-485.	0.4	8
53	A fast linearized numerical method for nonlinear time-fractional diffusion equations. Numerical Algorithms, 2021, 87, 381-408.	1.1	8
54	Free-weighting-matrix inequality for exponential stability for neural networks with time-varying delay. Neurocomputing, 2021, 466, 221-228.	3.5	8

#	Article	IF	Citations
55	A linearized second-order finite difference scheme for time fractional generalized BBM equation. Applied Mathematics Letters, 2018, 78, 16-23.	1.5	7
56	On some inverse singular value problems with Toeplitz-related structure. Numerical Algebra, Control and Optimization, 2012, 2, 187-192.	1.0	7
57	A survey on the BÃ¶ttcher-Wenzel conjecture and related problems. Operators and Matrices, 2015, , 659-673.	0.1	7
58	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
59	A Guassâ€“Newton-like method for inverse eigenvalue problems. International Journal of Computer Mathematics, 2013, 90, 1435-1447.	1.0	6
60	A nonuniform L2 formula of Caputo derivative andÂits application to a fractional Benjaminâ€“Bonaâ€“Mahonyâ€type equation with nonsmooth solutions. Numerical Methods for Partial Differential Equations, 2020, 36, 579-600.	2.0	6
61	Second-Order and Nonuniform Time-Stepping Schemes for Time Fractional Evolution Equations with Timeâ€“Space Dependent Coefficients. Journal of Scientific Computing, 2021, 89, 1.	1.1	6
62	A delay-variation-dependent stability criterion for discrete-time systems via a bivariate quadratic function negative-determination lemma. Journal of the Franklin Institute, 2022, 359, 4976-4996.	1.9	6
63	The Boltzmann equation with frictional force. Journal of Differential Equations, 2006, 222, 95-136.	1.1	5
64	On a generalization of AczÃ©lâ€™s inequality. Applied Mathematics Letters, 2011, 24, 1301-1307.	1.5	5
65	Some refined bounds for the perturbation of the orthogonal projection and the generalized inverse. Numerical Algorithms, 2018, 79, 657-677.	1.1	5
66	An inertial Mann algorithm for nonexpansive mappings. Journal of Fixed Point Theory and Applications, 2018, 20, 1.	0.6	5
67	A study on a second order finite difference scheme for fractional advectionâ€“diffusion equations. Numerical Methods for Partial Differential Equations, 2019, 35, 493-508.	2.0	5
68	An efficient numerical method forq-fractional differential equations. Applied Mathematics Letters, 2020, 103, 106156.	1.5	5
69	A Riemannian Optimization Approach for Solving the Generalized Eigenvalue Problem for Nonsquare Matrix Pencils. Journal of Scientific Computing, 2020, 82, 1.	1.1	5
70	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
71	On the modulus-based successive overrelaxation iteration method for horizontal linear complementarity problems arising from hydrodynamic lubrication. Applied Mathematics and Computation, 2021, 402, 126165.	1.4	5
72	An Introduction to Applied Matrix Analysis. Series in Contemporary Applied Mathematics, 2016, , .	0.8	5

#	Article	IF	Citations
73	Generalizations of some Hermite-Hadamard-type inequalities. Indian Journal of Pure and Applied Mathematics, 2015, 46, 359-370.	0.3	4
74	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
75	Sensitivity analysis for the symplectic QR factorization. Journal of the Franklin Institute, 2016, 353, 1186-1205.	1.9	4
76	Noda iterations for generalized eigenproblems following Perron-Frobenius theory. Numerical Algorithms, 2019, 80, 937-955.	1.1	4
77	An iteration method for nonlinear complementarity problems. Journal of Computational and Applied Mathematics, 2020, 372, 112681.	1.1	4
78	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
79	On some Ostrowski-like type inequalities involving <mml:math 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:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.5	3
80	On numerical contour integral method for fractional diffusion equations with variable coefficients. Applied Mathematics Letters, 2017, 64, 137-142.	1.5	3
81	Newton-type methods for solving quasi-complementarity problems via sign-based equation. Calcolo, 2019, 56, 1.	0.6	3
82	A graded scheme with bounded grading for a time-fractional Boussinesq type equation. Applied Mathematics Letters, 2019, 92, 35-40.	1.5	3
83	Scaled consensus for coupled harmonic oscillators via sampled position data. IET Control Theory and Applications, 2020, 14, 2776-2783.	1.2	3
84	Circulant preconditioners for pricing options. Linear Algebra and Its Applications, 2011, 434, 2325-2342.	0.4	2
85	On a discreteâ€time collocation method for the nonlinear SchrÃ¶dinger equation with wave operator. Numerical Methods for Partial Differential Equations, 2013, 29, 693-705.	2.0	2
86	On some generalizations of an Ostrowskiâ€"GrÃ¼ss type integral inequality. Applied Mathematics and Computation, 2014, 229, 239-244.	1.4	2
87	On eigenvalue perturbation bounds for Hermitian block tridiagonal matrices. Applied Numerical Mathematics, 2014, 83, 38-50.	1.2	2
88	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
89	On the variation of the spectrum of a Hermitian matrix. Applied Mathematics Letters, 2017, 65, 70-76.	1.5	2
90	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

#	Article	IF	Citations
91	Some bounds for H-eigenpairs and Z-eigenpairs of a tensor. Journal of Computational and Applied Mathematics, 2018, 342, 37-57.	1.1	2
92	On perturbation bounds of the linear complementarity problem. Linear and Multilinear Algebra, 2018, 66, 625-638.	0.5	2
93	Inexact generalized Noda iterations for generalized eigenproblems. Journal of Computational and Applied Mathematics, 2020, 366, 112418.	1.1	2
94	An inexact alternating direction method of multipliers for a kind of nonlinear complementarity problems. Numerical Algebra, Control and Optimization, 2021, 11, 353.	1.0	2
95	Exponential stability of time delay systems based on intermediate polynomial-based weighted functions. Applied Mathematics Letters, 2021, 116, 107055.	1.5	2
96	Highâ€order compact schemes for fractional differential equations with mixed derivatives. Numerical Methods for Partial Differential Equations, 2017, 33, 2141-2158.	2.0	1
97	Two inertial-type algorithms for solving the split feasibility problem. Optimization, 2023, 72, 2661-2678.	1.0	1
98	Unitarily Invariant Norms of Toeplitz Matrices with Fisherâ€“Hartwig Singularities. SIAM Journal on Matrix Analysis and Applications, 2007, 29, 850-854.	0.7	0
99	Convergence analysis of superoptimal PCG algorithm for Toeplitz systems with a Fisherâ€“Hartwig singularity. Linear Algebra and Its Applications, 2008, 428, 535-549.	0.4	0
100	Uniqueness and perturbation bounds for sparse non-negative tensor equations. Frontiers of Mathematics in China, 2018, 13, 849-874.	0.4	0
101	Optimal Stopping Time of a Portfolio Selection Problem with Multi-assets. Journal of the Operations Research Society of China, 2021, 9, 163-179.	0.9	0
102	On worst-case condition numbers of a multiple nonzero finite generalized singular value. Linear Algebra and Its Applications, 2021, 616, 1-18.	0.4	0
103	The Mediating Morphism of the Multilinear Optimal Map. East Asian Journal on Applied Mathematics, 2014, 4, 82-87.	0.4	0
104	Some new results on the consensus of coupled harmonic oscillators with impulsive control. International Journal of Robust and Nonlinear Control, 2022, 32, 1960-1972.	2.1	0