Jalil Rashidinia

List of Publications by Year
in descending order

94	1,348	331259 21	476904 29
papers	citations	h-index	g-index

94	94	94	729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new operational vector approach for timeâ€fractional subdiffusion equations of distributed order based on hybrid functions. Mathematical Methods in the Applied Sciences, 2023, 46, 388-407.	1.2	8
2	Application of fuzzy finite difference scheme for the non-homogeneous fuzzy heat equation. Soft Computing, 2022, 26, 2635-2650.	2.1	1
3	A novel and efficient operational matrix for solving nonlinear stochastic differential equationsÂdriven by multi-fractional Gaussian noise. Applied Mathematics and Computation, 2022, 429, 127218.	1.4	6
4	Numerical solutions of distributed order fractional differential equations in the time domain using the MÃ¼ntzâ€“Legendre wavelets approach. Numerical Methods for Partial Differential Equations, 2021, 37, 707-731.	2.0	28
5	Numerical solutions of two-dimensional nonlinear fractional Volterra and Fredholm integral equations using shifted Jacobi operational matrices via collocation method. Journal of King Saud University - Science, 2021, 33, 101244.	1.6	17
6	Numerical evaluation of the fractional Kleinâ€“Kramers model arising in molecular dynamics. Journal of Computational Physics, 2021, 428, 109983.	1.9	23
7	A new and efficient numerical method based on shifted fractionalâ€order Jacobi operational matrices for solving some classes of twoâ€dimensional nonlinear fractional integral equations. Numerical Methods for Partial Differential Equations, 2021, 37, 2687-2713.	2.0	17
8	Numerical treatment of the space fractional advectionâ€“dispersion model arising in groundwater hydrology. Computational and Applied Mathematics, 2021, 40, 1.	1.0	6
9	A novel operational vector for solving the general form of distributed order fractional differential equations in the time domain based on the second kind Chebyshev wavelets. Numerical Algorithms, 2021, 88, 1617-1639.	1.1	18
10	Existence, uniqueness, and approximate solutions for the general nonlinear distributed-order fractional differential equations in a Banach space. Advances in Difference Equations, 2021, 2021, .	3.5	6
11	Convergence analysis of non-polynomial spline functions for the Fredholm integral equation. International Journal of Computer Mathematics, 2020, 97, 1197-1211.	1.0	9
12	Solving fractional diffusion equations by Sinc and radial basis functions. Asian-European Journal of Mathematics, 2020, 13, 2050101.	0.2	2
13	Numerical solution of singular boundary value problems using Greenâ€™s function and Sinc-Collocation method. Journal of King Saud University - Science, 2020, 32, 2962-2968.	1.6	3
14	Approximate solution of the multi-term time fractional diffusion and diffusion-wave equations. Computational and Applied Mathematics, 2020, 39, 1.	1.0	6
15	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si78.svg"><mml:mrow><mml:msup><mml:mrow><mml:mi>C</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><m for solution of second order fractional integro-differential equations. AEJ - Alexandria Engineering Journal, 2020, 59, 3635-3641.	3.4	3
16	The Impact of Chebyshev Collocation Method on Solutions of fractional Advectionâ€“Diffusion Equation. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	3
17	Existence, uniqueness, and numerical solutions for two-dimensional nonlinear fractional Volterra and Fredholm integral equations in a Banach space. Computational and Applied Mathematics, 2020, 39, 1.	1.0	16
18	Numerical solution for the Kawahara equation using local RBF-FD meshless method. Journal of King Saud University - Science, 2020, 32, 2277-2283.	1.6	18

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19	Operational matrices based on hybrid functions for solving general nonlinear two-dimensional fractional integro-differential equations. Computational and Applied Mathematics, 2020, 39, 1.	1.0	17
20	Numerical methods based on radial basis function-generated finite difference (RBF-FD) for solution of GKdVB equation. Wave Motion, 2019, 90, 152-167.	1.0	27
21	Tension spline method for the solution of elliptic equations. Journal of Taibah University for Science, 2019, 13, 604-610.	1.1	1
22	Collocation method for Convection-Reaction-Diffusion equation. Journal of King Saud University - Science, 2019, 31, 1115-1121.	1.6	7
23	Analysis and Solution of a Class of Nonlinear Two-Dimensional Volterraâ€“Fredholm Integral Equations via Hybrid of Radial Basis Functions. Iranian Journal of Science and Technology, Transaction A: Science, 2019, 43, 2253-2260.	0.7	3
24	Tension spline method for solution of Fitzhughâ€“Nagumo equation. Transactions of A Razmadze Mathematical Institute, 2018, 172, 571-581.	0.7	3
25	A stable Gaussian radial basis function method for solving nonlinear unsteady convectionâ€“diffusionâ€“reaction equations. Computers and Mathematics With Applications, 2018, 75, 1831-1850.	1.4	24
26	The Impact of Two Transformations on the Solutions of Second Kind Fredholm Integral Equations System. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	0.9	1
27	Three level implicit tension spline scheme for solution of Convection-Reaction-Diffusion equation. Ain Shams Engineering Journal, 2018, 9, 1601-1610.	3.5	5
28	Continuously Bursting Simulations and Analytical Solutions of the Neocortical Neurons Model. Differential Equations and Dynamical Systems, 2018, , 1.	0.5	0
29	On the Dynamical Complexity of a Seasonally Forced Discrete SIR Epidemic Model with a Constant Vaccination Strategy. Complexity, 2018, 2018, 1-11.	0.9	9
30	Convergence analysis of tau scheme for the fractional reaction-diffusion equation. European Physical Journal Plus, 2018, 133, 1.	1.2	14
31	A numerical method for solving a system of Volterraâ€“Fredholm integral equations of the second kind based on the meshless method. Afrika Matematika, 2018, 29, 955-965.	0.4	1
32	Numerical solution of three-dimensional Volterraâ€“Fredholm integral equations of the first and second kinds based on Bernsteinâ€™s approximation. Applied Mathematics and Computation, 2018, 339, 272-285.	1.4	27
33	Non-polynomial spline functions and Quasi-linearization to approximate nonlinear Volterra integral equation. Filomat, 2018, 32, 3947-3956.	0.2	14
34	Polynomial scaling functions for numerical solution of generalized Kuramotoâ€“Sivashinsky equation. Applicable Analysis, 2017, 96, 293-306.	0.6	12
35	Sinc-Galerkin method for solving nonlinear weakly singular two point boundary value problems. International Journal of Computer Mathematics, 2017, 94, 79-94.	1.0	9
36	Non-polynomial spline method for the solution of two-dimensional linear wave equations with a nonlinear source term. Numerical Algorithms, 2017, 74, 289-306.	1.1	7

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37	Modified B-Spline Collocation Approach for Pricing American Style Asian Options. Mediterranean Journal of Mathematics, 2017, 14, 1.	0.4	10
38	Solution of a system of delay differential equations of multi pantograph type. Journal of Taibah University for Science, 2017, 11, 1141-1157.	1.1	20
39	Boubaker polynomials collocation approach for solving systems of nonlinear Volterraâ€“Fredholm integral equations. Journal of Taibah University for Science, 2017, 11, 1182-1199.	1.1	9
40	Classes of high-order numerical methods for solution of certain problem in calculus of variations. Cogent Mathematics, 2017, 4, 1288307.	0.4	0
41	Numerical solution of Volterra partial integro-differential equations based on sinc-collocation method. Advances in Difference Equations, 2017, 2017, .	3.5	14
42	A stable method for the evaluation of Gaussian radial basis function solutions of interpolation and collocation problems. Computers and Mathematics With Applications, 2016, 72, 178-193.	1.4	35
43	Numerical solution of Burgersâ€™ equation by B-spline collocation. Afrika Matematika, 2016, 27, 1287-1293.	0.4	2
44	Numerical Solution of Nonlinear Klein-Gordon Equation Using Polynomial Wavelets. Advances in Intelligent Systems and Computing, 2016, , 199-214.	0.5	4
45	Application of radial basis functions and sinc method for solving the forced vibration of fractional viscoelastic beam. Journal of Mechanical Science and Technology, 2016, 30, 3001-3008.	0.7	21
46	Application of polynomial scaling functions for numerical solution of telegraph equation. Applicable Analysis, 2016, 95, 105-123.	0.6	19
47	Numerical solution of hyperbolic telegraph equation by cubic B-spline collocation method. Applied Mathematics and Computation, 2016, 281, 28-38.	1.4	53
48	Sinc methods involving exponential transformations to solve Laneâ€“Emden type equations. Afrika Matematika, 2016, 27, 541-554.	0.4	2
49	Parametric Iteration Method and Weakly Singular Volterra Integral Equations of Abel Type. Journal of Computational and Theoretical Nanoscience, 2016, 13, 4263-4270.	0.4	0
50	Collocation method for linear and nonlinear Fredholm and Volterra integral equations. Applied Mathematics and Computation, 2015, 270, 156-164.	1.4	21
51	Numerical solutions of one-dimensional non-linear parabolic equations using Sinc collocation method. Ain Shams Engineering Journal, 2015, 6, 381-389.	3.5	9
52	Application of Sinc-Galerkin method to singularly perturbed parabolic convection-diffusion problems. Numerical Algorithms, 2014, 66, 643-662.	1.1	8
53	Tension spline method for solution of non-linear Fisher equation. Applied Mathematics and Computation, 2014, 249, 399-407.	1.4	24
54	Sinc-Galerkin and Sinc-Collocation methods in the solution of nonlinear two-point boundary value problems. Computational and Applied Mathematics, 2013, 32, 315-330.	1.3	18

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55	Sinc-Galerkin method for numerical solution of the Bratuâ€™s problems. Numerical Algorithms, 2013, 62, 1-11.	1.1	30
56	B-Spline collocation method for linear and nonlinear Fredholm and Volterra integro-differential equations. Applicable Analysis, 2013, 92, 1787-1802.	0.6	11
57	Collocation method for Fredholm and Volterra integral equations. Kybernetes, 2013, 42, 400-412.	1.2	11
58	An iterative scheme for numerical solution of Volterra integral equations using collocation method and Chebyshev polynomials. Mathematical Sciences, 2012, 6, 1.	1.0	3
59	Regularization of backward heat conduction problem. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 227-234.	1.7	1
60	Systems of nonlinear Volterra integro-differential equations. Numerical Algorithms, 2012, 59, 197-212.	1.1	5
61	Tension spline solution of nonlinear sine-Gordon equation. Numerical Algorithms, 2011, 56, 129-142.	1.1	29
62	B-spline collocation for solution of two-point boundary value problems. Journal of Computational and Applied Mathematics, 2011, 235, 2325-2342.	1.1	29
63	SEMI-ORTHOGONAL SPLINE SCALING FUNCTIONS FOR SOLVING HAMMERSTEIN INTEGRAL EQUATIONS. International Journal of Wavelets, Multiresolution and Information Processing, 2011, 09, 427-443.	0.9	1
64	An O(h 6) numerical solution of general nonlinear fifth-order two point boundary value problems. Numerical Algorithms, 2010, 55, 403-428.	1.1	9
65	Convergence analysis of nonic-spline solutions for special nonlinear sixth-order boundary value problems. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 3805-3813.	1.7	4
66	Tension spline approach for the numerical solution of nonlinear Kleinâ€“Gordon equation. Computer Physics Communications, 2010, 181, 78-91.	3.0	51
67	Numerical solution of the nonlinear Kleinâ€“Gordon equation. Journal of Computational and Applied Mathematics, 2010, 233, 1866-1878.	1.1	49
68	Sextic spline solution of variable coefficient fourth-order parabolic equations. International Journal of Computer Mathematics, 2010, 87, 3443-3454.	1.0	15
69	Approximate solution of systems of Volterra integral equations with error analysis. International Journal of Computer Mathematics, 2010, 87, 3052-3062.	1.0	8
70	Quintic Spline Methods for the Solution of Singularly Perturbed Boundary-Value Problems. International Journal for Computational Methods in Engineering Science and Mechanics, 2010, 11, 247-257.	1.4	7
71	Numerical Methods Based on Non-Polynomial Sextic Spline for Solution of Variable Coefficient Fourth-Order Wave Equations. International Journal for Computational Methods in Engineering Science and Mechanics, 2009, 10, 266-276.	1.4	1
72	Spline approximate solution of eighth-order boundary-value problems. International Journal of Computer Mathematics, 2009, 86, 1319-1333.	1.0	3

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73	Spline solution of non-linear singular boundary value problems. International Journal of Computer Mathematics, 2008, 85, 39-52.	1.0	15
74	Non-polynomial cubic spline methods for the solution of parabolic equations. International Journal of Computer Mathematics, 2008, 85, 843-850.	1.0	25
75	Non-polynomial spline for solution of boundary-value problems in plate deflection theory. International Journal of Computer Mathematics, 2007, 84, 1483-1494.	1.0	8
76	Spline methods for the solution of hyperbolic equation with variable coefficients. Numerical Methods for Partial Differential Equations, 2007, 23, 1411-1419.	2.0	15
77	Solution of a Volterra integral equation by the Sinc-collocation method. Journal of Computational and Applied Mathematics, 2007, 206, 801-813.	1.1	29
78	The numerical solution of non-linear singular boundary value problems arising in physiology. Applied Mathematics and Computation, 2007, 185, 360-367.	1.4	35
79	New approach for numerical solution of Hammerstein integral equations. Applied Mathematics and Computation, 2007, 185, 147-154.	1.4	37
80	Comment on the paper â€œA class of methods based on non-polynomial spline functions for the solution of a special fourth-order boundary-value problems with engineering applicationsâ€• Applied Mathematics and Computation, 2007, 186, 1572-1580.	1.4	6
81	Parametric spline method for a class of singular two-point boundary value problems. Applied Mathematics and Computation, 2007, 188, 58-63.	1.4	33
82	The numerical solution of integro-differential equation by means of the Sinc method. Applied Mathematics and Computation, 2007, 188, 1124-1130.	1.4	19
83	Spline approach to the solution of a singularly-perturbed boundary-value problems. Applied Mathematics and Computation, 2007, 189, 72-78.	1.4	22
84	Non-polynomial spline methods for the solution of a system of obstacle problems. Applied Mathematics and Computation, 2007, 188, 1984-1990.	1.4	14
85	Spline methods for the solutions of hyperbolic equations. Applied Mathematics and Computation, 2007, 190, 882-886.	1.4	36
86	Sextic spline method for the solution of a system of obstacle problems. Applied Mathematics and Computation, 2007, 190, 1669-1674.	1.4	4
87	Cubic spline solution of singularly perturbed boundary value problems with significant first derivatives. Applied Mathematics and Computation, 2007, 190, 1762-1766.	1.4	14
88	Spline approximate solution of fifth-order boundary-value problem. Applied Mathematics and Computation, 2007, 192, 107-112.	1.4	7
89	Convergence of cubic-spline approach to the solution of a system of boundary-value problems. Applied Mathematics and Computation, 2007, 192, 319-331.	1.4	6
90	Convergence of approximate solution of system of Fredholm integral equations. Journal of Mathematical Analysis and Applications, 2007, 333, 1216-1227.	0.5	35

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91	Spline methods for the solution of fourth-order parabolic partial differential equations. Applied Mathematics and Computation, 2005, 167, 153-166.	1.4	40
92	Numerical solution of linear integral equations by using Sincâ€“collocation method. Applied Mathematics and Computation, 2005, 168, 806-822.	1.4	21
93	Convergence of numerical solution of a fourth-order boundary value problem. Applied Mathematics and Computation, 2005, 171, 1296-1305.	1.4	19
94	Numerical solution of Coupled Viscous Burgersâ€™ equations using RBF-QR method. Mathematical Sciences, 0, , .	1.0	1