

Yadollah Ordokhani

List of Publications by Year in descending order

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103
papers

2,635
citations

201385

27
h-index

223531

46
g-index

106
all docs

106
docs citations

106
times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical solution of the delay differential equations of pantograph type via Chebyshev polynomials. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 4815-4830.	1.7	141
2	Bernoulli wavelet operational matrix of fractional order integration and its applications in solving the fractional order differential equations. <i>Applied Mathematical Modelling</i> , 2014, 38, 6038-6051.	2.2	135
3	A new operational matrix based on Bernoulli wavelets for solving fractional delay differential equations. <i>Numerical Algorithms</i> , 2017, 74, 223-245.	1.1	133
4	Numerical solution of fractional pantograph differential equations by using generalized fractional-order Bernoulli wavelet. <i>Journal of Computational and Applied Mathematics</i> , 2017, 309, 493-510.	1.1	130
5	Numerical solution of a class of two-dimensional nonlinear Volterra integral equations using Legendre polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2013, 242, 53-69.	1.1	99
6	Fractional-order Bernoulli wavelets and their applications. <i>Applied Mathematical Modelling</i> , 2016, 40, 8087-8107.	2.2	82
7	A numerical solution for fractional optimal control problems via Bernoulli polynomials. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 3889-3903.	1.5	75
8	MÃ¼ntz-Legendre wavelet operational matrix of fractional-order integration and its applications for solving the fractional pantograph differential equations. <i>Numerical Algorithms</i> , 2018, 77, 1283-1305.	1.1	74
9	Optimal Control of Delay Systems by Using a Hybrid Functions Approximation. <i>Journal of Optimization Theory and Applications</i> , 2012, 153, 338-356.	0.8	72
10	Hybrid functions approach for nonlinear constrained optimal control problems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 1831-1843.	1.7	71
11	Fractional-order Legendreâ€™Laguerre functions and their applications in fractional partial differential equations. <i>Applied Mathematics and Computation</i> , 2018, 336, 433-453.	1.4	66
12	An efficient approximate method for solving delay fractional optimal control problems. <i>Nonlinear Dynamics</i> , 2016, 86, 1649-1661.	2.7	63
13	Solution of nonlinear Volterraâ€™Fredholmâ€™Hammerstein integral equations via a collocation method and rationalized Haar functions. <i>Applied Mathematics Letters</i> , 2008, 21, 4-9.	1.5	59
14	The Boubaker polynomials and their application to solve fractional optimal control problems. <i>Nonlinear Dynamics</i> , 2017, 88, 1013-1026.	2.7	53
15	Fractional-order Bernoulli functions and their applications in solving fractional Fredholmâ€™Volterra integro-differential equations. <i>Applied Numerical Mathematics</i> , 2017, 122, 66-81.	1.2	51
16	The Taylor wavelets method for solving the initial and boundary value problems of Bratu-type equations. <i>Applied Numerical Mathematics</i> , 2018, 128, 205-216.	1.2	51
17	A numerical scheme based on Bernoulli wavelets and collocation method for solving fractional partial differential equations with Dirichlet boundary conditions. <i>Numerical Methods for Partial Differential Equations</i> , 2019, 35, 34-59.	2.0	43
18	Numerical approach based on fractional-order Lagrange polynomials for solving a class of fractional differential equations. <i>Computational and Applied Mathematics</i> , 2018, 37, 3846-3868.	1.3	40

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19	Solving fractional pantograph delay differential equations via fractional-order Boubaker polynomials. <i>Engineering With Computers</i> , 2019, 35, 1431-1441.	3.5	39
20	Fibonacci wavelets and their applications for solving two classes of time-varying delay problems. <i>Optimal Control Applications and Methods</i> , 2020, 41, 395-416.	1.3	38
21	Pseudo-operational matrix method for the solution of variable-order fractional partial integro-differential equations. <i>Engineering With Computers</i> , 2021, 37, 1791.	3.5	37
22	Fibonacci wavelets and Galerkin method to investigate fractional optimal control problems with bibliometric analysis. <i>JVC/Journal of Vibration and Control</i> , 2021, 27, 1778-1792.	1.5	37
23	Hybrid functions approach for optimal control of systems described by integro-differential equations. <i>Applied Mathematical Modelling</i> , 2013, 37, 3355-3368.	2.2	35
24	Fractional-order Lagrange polynomials: An application for solving delay fractional optimal control problems. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 2997-3009.	1.1	34
25	An improved composite collocation method for distributed-order fractional differential equations based on fractional Chelyshkov wavelets. <i>Applied Numerical Mathematics</i> , 2019, 145, 1-27.	1.2	34
26	Solution of nonlinear Volterra-Fredholm-Hammerstein integral equations via rationalized Haar functions. <i>Applied Mathematics and Computation</i> , 2006, 180, 436-443.	1.4	33
27	Fractional-order Boubaker functions and their applications in solving delay fractional optimal control problems. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 3370-3383.	1.5	32
28	Fractional-order Bessel wavelet functions for solving variable order fractional optimal control problems with estimation error. <i>International Journal of Systems Science</i> , 2020, 51, 1032-1052.	3.7	30
29	Combination of Lucas wavelets with Legendre-Gauss quadrature for fractional Fredholm-Volterra integro-differential equations. <i>Journal of Computational and Applied Mathematics</i> , 2021, 382, 113070.	1.1	29
30	A Rationalized Haar Functions Method for Nonlinear Fredholm-hammerstein Integral Equations. <i>International Journal of Computer Mathematics</i> , 2002, 79, 333-343.	1.0	28
31	Numerical solution a class of 2D fractional optimal control problems by using 2D Legendre wavelets. <i>Optimal Control Applications and Methods</i> , 2018, 39, 1916-1934.	1.3	28
32	Application of the modified operational matrices in multiterm variable-order time-fractional partial differential equations. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 7296-7313.	1.2	28
33	On the applicability of Genocchi wavelet method for different kinds of fractional-order differential equations with delay. <i>Numerical Linear Algebra With Applications</i> , 2019, 26, e2259.	0.9	27
34	Generalized fractional-order Bernoulli-Legendre functions: an effective tool for solving two-dimensional fractional optimal control problems. <i>IMA Journal of Mathematical Control and Information</i> , 2019, 36, 185-212.	1.1	25
35	The couple of Hermite-based approach and Crank-Nicolson scheme to approximate the solution of two dimensional stochastic diffusion-wave equation of fractional order. <i>Engineering Analysis With Boundary Elements</i> , 2020, 118, 285-294.	2.0	25
36	An application of rationalized Haar functions for variational problems. <i>Applied Mathematics and Computation</i> , 2001, 122, 353-364.	1.4	24

#	ARTICLE	IF	CITATIONS
37	A fast numerical algorithm based on the Taylor wavelets for solving the fractional integro-differential equations with weakly singular kernels. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 4427-4443.	1.2	24
38	Approximate solution of nonlinear fractional integro-differential equations using fractional alternative Legendre functions. <i>Journal of Computational and Applied Mathematics</i> , 2020, 365, 112365.	1.1	24
39	The Bernoulli wavelets operational matrix of integration and its applications for the solution of linear and nonlinear problems in calculus of variations. <i>Applied Mathematics and Computation</i> , 2019, 351, 83-98.	1.4	23
40	Fractional-order general Lagrange scaling functions and their applications. <i>BIT Numerical Mathematics</i> , 2020, 60, 101-128.	1.0	23
41	Solution of nonlinear Volterra-Hammerstein integral equations via rationalized Haar functions. <i>Mathematical Problems in Engineering</i> , 2001, 7, 205-219.	0.6	22
42	Hybrid Taylor and block-pulse functions operational matrix algorithm and its application to obtain the approximate solution of stochastic evolution equation driven by fractional Brownian motion. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 90, 105346.	1.7	22
43	On Spectral Method for Volterra Functional Integro-Differential Equations of Neutral Type. <i>Numerical Functional Analysis and Optimization</i> , 2014, 35, 223-239.	0.6	20
44	A hybrid functions approach for the Duffing equation. <i>Physica Scripta</i> , 2013, 88, 025002.	1.2	19
45	A numerical technique for solving various kinds of fractional partial differential equations via Genocchi hybrid functions. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2019, 113, 3297-3321.	0.6	19
46	A numerical technique for solving fractional variational problems by Müntz Legendre polynomials. <i>Journal of Applied Mathematics and Computing</i> , 2018, 58, 75-94.	1.2	18
47	Solution of differential equations via rationalized Haar functions. <i>Mathematics and Computers in Simulation</i> , 2001, 56, 235-246.	2.4	17
48	A novel direct method based on the Lucas multiwavelet functions for variable-order fractional reaction-diffusion and subdiffusion equations. <i>Numerical Linear Algebra With Applications</i> , 2021, 28, e2346.	0.9	17
49	LEGENDRE EXPANSION METHODS FOR THE NUMERICAL SOLUTION OF NONLINEAR 2D FREDHOLM INTEGRAL EQUATIONS OF THE SECOND KIND. <i>Journal of Applied Mathematics & Informatics</i> , 2013, 31, 609-621.	0.1	17
50	Numerical investigation of distributed-order fractional optimal control problems via Bernstein wavelets. <i>Optimal Control Applications and Methods</i> , 2021, 42, 355-373.	1.3	16
51	Numerical Solution of 1D and 2D Fractional Optimal Control of System via Bernoulli Polynomials. <i>International Journal of Applied and Computational Mathematics</i> , 2018, 4, 1.	0.9	15
52	Boubaker hybrid functions and their application to solve fractional optimal control and fractional variational problems. , 2018, 63, 541-567.		15
53	Fractional-order Bessel functions with various applications. , 2019, 64, 637-662.		15
54	Fractional-order Fibonacci-hybrid functions approach for solving fractional delay differential equations. <i>Engineering With Computers</i> , 2020, 36, 795-806.	3.5	15

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55	A Novel Lagrange Operational Matrix and Tau-Collocation Method for Solving Variable-Order Fractional Differential Equations. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 127-135.	0.7	14
56	Application of Legendre polynomials for solving the Bagley-Torvik equation in a large interval. SeMA Journal, 2018, 75, 517-533.	1.0	13
57	Fractional-Order Legendre Functions and Their Application to Solve Fractional Optimal Control of Systems Described by Integro-differential Equations. Acta Applicandae Mathematicae, 2018, 158, 87-106.	0.5	12
58	Numerical Technique for Solving Fractional Generalized Pantograph-Delay Differential Equations by Using Fractional-Order Hybrid Bessel Functions. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	12
59	NUMERICAL SOLUTION OF VARIABLE-ORDER TIME FRACTIONAL WEAKLY SINGULAR PARTIAL INTEGRO-DIFFERENTIAL EQUATIONS WITH ERROR ESTIMATION. Mathematical Modelling and Analysis, 2020, 25, 680-701.	0.7	12
60	Approximate Solutions of Differential Equations by Using the Bernstein Polynomials. ISRN Applied Mathematics, 2011, 2011, 1-15.	0.5	11
61	Hybrid functions for numerical solution of fractional Fredholm-Volterra functional integro-differential equations with proportional delays. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2606.	1.2	11
62	Two-dimensional Legendre hybrid functions: theory and applications for solving fractional-order partial differential equations. Computational and Applied Mathematics, 2020, 39, 1.	1.0	11
63	An efficient approach based on Legendre-Gauss-Lobatto quadrature and discrete shifted Hahn polynomials for solving Caputo-Fabrizio fractional Volterra partial integro-differential equations. Journal of Computational and Applied Mathematics, 2022, 403, 113851.	1.1	11
64	Numerical Studies for Fractional Pantograph Differential Equations Based on Piecewise Fractional-Order Taylor Function Approximations. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 2131-2144.	0.7	10
65	Application of fractional Gegenbauer functions in variable-order fractional delay-type equations with non-singular kernel derivatives. Chaos, Solitons and Fractals, 2020, 140, 110111.	2.5	10
66	Modified wavelet method for solving fractional variational problems. JVC/Journal of Vibration and Control, 2021, 27, 582-596.	1.5	10
67	General Lagrange-hybrid functions and numerical solution of differential equations containing piecewise constant delays with bibliometric analysis. Applied Mathematics and Computation, 2021, 395, 125847.	1.4	10
68	Numerical Solution of Volterra-Hammerstein Delay Integral Equations. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 445-457.	0.7	9
69	General Lagrange scaling functions: application in general model of variable order fractional partial differential equations. Computational and Applied Mathematics, 2021, 40, 1.	1.0	9
70	Application of the hybrid functions to solve neutral delay functional differential equations. International Journal of Computer Mathematics, 2017, 94, 503-514.	1.0	8
71	The novel operational matrices based on 2D-Genocchi polynomials: solving a general class of variable-order fractional partial integro-differential equations. Computational and Applied Mathematics, 2020, 39, 1.	1.0	8
72	The bivariate wavelets composite collocation method for solving space-time-fractional partial differential equations. Computational and Applied Mathematics, 2020, 39, 1.	1.0	8

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73	Touchard wavelet technique for solving time-fractional Black-Scholes model. Computational and Applied Mathematics, 2022, 41, 1.	1.0	8
74	A spectral framework for the solution of fractional optimal control and variational problems involving Mittag-Leffler nonsingular kernel. JVC/Journal of Vibration and Control, 2022, 28, 260-275.	1.5	7
75	Fractional-Lucas optimization method for evaluating the approximate solution of the multi-dimensional fractional differential equations. Engineering With Computers, 2022, 38, 481-495.	3.5	7
76	Fractional-Order Genocchi-Petrov-Galerkin Method for Solving Time-Space Fractional Fokker-Planck Equations Arising from the Physical Phenomenon. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	7
77	Modified wavelet method for solving multitype variable-order fractional partial differential equations generated from the modeling of phenomena. Mathematical Sciences, 0, , 1.	1.0	7
78	An approximate method for solution of nonlocal boundary value problems via Gaussian radial basis functions. SeMA Journal, 2019, 76, 123-142.	1.0	6
79	Numerical Solution of Fractional Optimal Control Problems with Inequality Constraint Using the Fractional-Order Bernoulli Wavelet Functions. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 1513-1528.	1.5	6
80	A new operational matrix based on Boubaker wavelet for solving optimal control problems of arbitrary order. Transactions of the Institute of Measurement and Control, 2020, 42, 1858-1870.	1.1	6
81	Orthonormal Bernoulli wavelets neural network method and its application in astrophysics. Computational and Applied Mathematics, 2021, 40, 1.	1.0	6
82	Application of Two-Dimensional Fibonacci Wavelets in Fractional Partial Differential Equations Arising in the Financial Market. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	0.9	6
83	Solution of optimal control problems governed by volterra integral and fractional integro-differential equations. JVC/Journal of Vibration and Control, 2023, 29, 3796-3808.	1.5	6
84	Computational method for generalized fractional Benjamin-Bona-Mahony-Burgers equations arising from the propagation of water waves. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	5
85	A modified numerical algorithm based on fractional Euler functions for solving time-fractional partial differential equations. International Journal of Computer Mathematics, 2021, 98, 2078-2096.	1.0	5
86	An optimum method for fractal-fractional optimal control and variational problems. International Journal of Dynamics and Control, 2023, 11, 229-241.	1.5	4
87	Numerical solution for a class of fractional optimal control problems using the fractional-order Bernoulli functions. Transactions of the Institute of Measurement and Control, 2022, 44, 1635-1648.	1.1	3
88	Numerical Solution of Linear Time-Varying Differential Equations using the Hybrid of Block-pulse and Rationalized Haar Functions. JVC/Journal of Vibration and Control, 2006, 12, 1081-1092.	1.5	2
89	Convergence Analysis of Spectral Method for Neutral Multi-pantograph Equations. Iranian Journal of Science and Technology, Transaction A: Science, 2019, 43, 2261-2268.	0.7	2
90	Spectral Methods for Solving Integro-differential Equations and Bibliometric Analysis. Studies in Systems, Decision and Control, 2021, , 169-214.	0.8	2

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91	An improved numerical technique for distributed-order time-fractional diffusion equations. Numerical Methods for Partial Differential Equations, 2021, 37, 2490-2510.	2.0	2
92	Numerical Evaluation of Variable-Order Fractional Nonlinear Volterra Functional-Integro-Differential Equations with Non-singular Kernel Derivative. Iranian Journal of Science and Technology, Transaction A: Science, 0, , 1.	0.7	2
93	Numerical solution of variable order fractional differential equations by using shifted Legendre cardinal functions and Ritz method. Engineering With Computers, 2020, , 1.	3.5	1
94	Developing the discretization method for fractal-fractional two-dimensional Fredholm-Volterra integro-differential equations. Mathematical Methods in the Applied Sciences, 0, , .	1.2	1
95	Modification of numerical algorithm for space-time fractional partial differential equations including two types of fractional derivatives. International Journal of Computer Mathematics, 0, , 1-19.	1.0	1
96	Composition of Euler Scaling Functions with the Optimization Method for Fractional Hyperbolic and Reaction-Diffusion Equations with Nonlocal Boundary Conditions. Numerical Functional Analysis and Optimization, 2022, 43, 816-837.	0.6	1
97	Numerical solution of two-dimensional integral-algebraic systems using Legendre functions. , 2012, , .		0
98	Rational Wavelets and Their Application for Solving the Heat Transfer Equations in Porous Medium. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	0.9	0
99	An Analytical Method for Solving the Model of Pollution for a System of Lakes. SSRN Electronic Journal, 0, , .	0.4	0
100	Numerical Solution of Delay Fractional Optimal Control Problems using Modification of Hat Functions. Pizhāhish/hāyi Riyāzi, 2019, 4, 241-258.	0.0	0
101	Numerical solution of generalized fractional Volterra integro-differential equations via approximation the Bromwich integral. Journal of Physics: Conference Series, 2021, 2090, 012131.	0.3	0
102	A SPECTRAL APPROACH FOR TIME-FRACTIONAL DIFFUSION AND SUBDIFFUSION EQUATIONS IN A LARGE INTERVAL. Mathematical Modelling and Analysis, 2022, 27, 19-40.	0.7	0
103	Numerical solution of a fractional epidemic model via general Lagrange scaling functions with bibliometric analysis. , 2022, , 305-320.		0