Yadollah Ordokhani

List of Publications by Year
in descending order

103	2,635	201385	223531
papers	citations	27 h-index	46 g-index

106	106	106	821
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	An optimum method for fractalâ€“fractional optimal control and variational problems. International Journal of Dynamics and Control, 2023, 11, 229-241.	1.5	4
3	A spectral framework for the solution of fractional optimal control and variational problems involving Mittagâ€“Leffler nonsingular kernel. JVC/Journal of Vibration and Control, 2022, 28, 260-275.	1.5	7
4	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
5	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
6	An efficient approach based on Legendreâ€“Gaussâ€“Lobatto quadrature and discrete shifted Hahn polynomials for solving Caputoâ€“Fabrizio fractional Volterra partial integro-differential equations. Journal of Computational and Applied Mathematics, 2022, 403, 113851.	1.1	11
7	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
8	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
9	Touchard wavelet technique for solving time-fractional Blackâ€“Scholes model. Computational and Applied Mathematics, 2022, 41, 1.	1.0	8
10	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
11	Numerical solution of a fractional epidemic model via general Lagrange scaling functions with bibliometric analysis. , 2022, , 305-320.		0
12	Pseudo-operational matrix method for the solution of variable-order fractional partial integro-differential equations. Engineering With Computers, 2021, 37, 1791.	3.5	37
13	Combination of Lucas wavelets with Legendreâ€“Gauss quadrature for fractional Fredholmâ€“Volterra integro-differential equations. Journal of Computational and Applied Mathematics, 2021, 382, 113070.	1.1	29
14	Modified wavelet method for solving fractional variational problems. JVC/Journal of Vibration and Control, 2021, 27, 582-596.	1.5	10
15	A novel direct method based on the Lucas multiwavelet functions for variableâ€order fractional reactionâ€diffusion and subdiffusion equations. Numerical Linear Algebra With Applications, 2021, 28, e2346.	0.9	17
16	Fibonacci wavelets and Galerkin method to investigate fractional optimal control problems with bibliometric analysis. JVC/Journal of Vibration and Control, 2021, 27, 1778-1792.	1.5	37
17	Numerical investigation of distributedâ€order fractional optimal control problems via Bernstein wavelets. Optimal Control Applications and Methods, 2021, 42, 355-373.	1.3	16
18	Spectral Methods for Solving Integro-differential Equations and Bibiliometric Analysis. Studies in Systems, Decision and Control, 2021, , 169-214.	0.8	2

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19	An improved numerical technique for distributedâ€order timeâ€fractional diffusion equations. Numerical Methods for Partial Differential Equations, 2021, 37, 2490-2510.	2.0	2
20	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
21	Orthonormal Bernoulli wavelets neural network method and its application in astrophysics. Computational and Applied Mathematics, 2021, 40, 1.	1.0	6
22	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
23	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
24	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
25	Fractional-order Fibonacci-hybrid functions approach for solving fractional delay differential equations. Engineering With Computers, 2020, 36, 795-806.	3.5	15
26	Fractional-order general Lagrange scaling functions and their applications. BIT Numerical Mathematics, 2020, 60, 101-128.	1.0	23
27	Approximate solution of nonlinear fractional integro-differential equations using fractional alternative Legendre functions. Journal of Computational and Applied Mathematics, 2020, 365, 112365.	1.1	24
28	Fibonacci wavelets and their applications for solving two classes of timeâ€varying delay problems. Optimal Control Applications and Methods, 2020, 41, 395-416.	1.3	38
29	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
30	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
31	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
32	The couple of Hermite-based approach and Crank-Nicolson scheme to approximate the solution of two dimensional stochastic diffusion-wave equation of fractional order. Engineering Analysis With Boundary Elements, 2020, 118, 285-294.	2.0	25
33	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
34	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
35	Fractional-Order Genocchiâ€“Petrovâ€“Galerkin Method for Solving Timeâ€–Space Fractional Fokkerâ€–Planck Equations Arising from the Physical Phenomenon. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	7
36	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

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37	Numerical Solution of Volterraâ€“Hammerstein Delay Integral Equations. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 445-457.	0.7	9
38	The bivariate MÃ¼ntz wavelets composite collocation method for solving space-time-fractional partial differential equations. Computational and Applied Mathematics, 2020, 39, 1.	1.0	8
39	Two-dimensional MÃ¼ntzâ€“Legendre hybrid functions: theory and applications for solving fractional-order partial differential equations. Computational and Applied Mathematics, 2020, 39, 1.	1.0	11
40	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
41	Fractional-order Bessel wavelet functions for solving variable order fractional optimal control problems with estimation error. International Journal of Systems Science, 2020, 51, 1032-1052.	3.7	30
42	Computational method for generalized fractional Benjaminâ€“Bonaâ€“Mahonyâ€“Burgers equations arising from the propagation of water waves. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	5
43	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. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105346.	1.7	22
44	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
45	An approximate method for solution of nonlocal boundary value problems via Gaussian radial basis functions. SeMA Journal, 2019, 76, 123-142.	1.0	6
46	A numerical scheme based on Bernoulli wavelets and collocation method for solving fractional partial differential equations with Dirichlet boundary conditions. Numerical Methods for Partial Differential Equations, 2019, 35, 34-59.	2.0	43
47	Application of the modified operational matrices in multiterm variableâ€order timeâ€fractional partial differential equations. Mathematical Methods in the Applied Sciences, 2019, 42, 7296-7313.	1.2	28
48	On the applicability of Genocchi wavelet method for different kinds of fractionalâ€order differential equations with delay. Numerical Linear Algebra With Applications, 2019, 26, e2259.	0.9	27
49	The Bernoulli wavelets operational matrix of integration and its applications for the solution of linear and nonlinear problems in calculus of variations. Applied Mathematics and Computation, 2019, 351, 83-98.	1.4	23
50	Fractional-order Lagrange polynomials: An application for solving delay fractional optimal control problems. Transactions of the Institute of Measurement and Control, 2019, 41, 2997-3009.	1.1	34
51	An improved composite collocation method for distributed-order fractional differential equations based on fractional Chelyshkov wavelets. Applied Numerical Mathematics, 2019, 145, 1-27.	1.2	34
52	A numerical technique for solving various kinds of fractional partial differential equations via Genocchi hybrid functions. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2019, 113, 3297-3321.	0.6	19
53	Hybrid functions for numerical solution of fractional Fredholmâ€Volterra functional integroâ€differential equations with proportional delays. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2606.	1.2	11
54	A fast numerical algorithm based on the Taylor wavelets for solving the fractional integroâ€differential equations with weakly singular kernels. Mathematical Methods in the Applied Sciences, 2019, 42, 4427-4443.	1.2	24

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55	Generalized fractional-order Bernoulliâ€“Legendre functions: an effective tool for solving two-dimensional fractional optimal control problems. IMA Journal of Mathematical Control and Information, 2019, 36, 185-212.	1.1	25
56	Fractional-order Bessel functions with various applications. , 2019, 64, 637-662.		15
57	Solving fractional pantograph delay differential equations via fractional-order Boubaker polynomials. Engineering With Computers, 2019, 35, 1431-1441.	3.5	39
58	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
59	Numerical Solution of Delay Fractional Optimal Control Problems using Modification of Hat Functions. PizhÅ«hish/hÄ•yi RiyÄ¤lÄ«, 2019, 4, 241-258.	0.0	0
60	Application of MÃ¼ntzâ€“Legendre polynomials for solving the Bagleyâ€“Torvik equation in a large interval. SeMA Journal, 2018, 75, 517-533.	1.0	13
61	The Taylor wavelets method for solving the initial and boundary value problems of Bratu-type equations. Applied Numerical Mathematics, 2018, 128, 205-216.	1.2	51
62	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
63	Fractional-order Boubaker functions and their applications in solving delay fractional optimal control problems. JVC/Journal of Vibration and Control, 2018, 24, 3370-3383.	1.5	32
64	MÃ¼ntz-Legendre wavelet operational matrix of fractional-order integration and its applications for solving the fractional pantograph differential equations. Numerical Algorithms, 2018, 77, 1283-1305.	1.1	74
65	A numerical technique for solving fractional variational problems by MÃ¼ntzâ€“Legendre polynomials. Journal of Applied Mathematics and Computing, 2018, 58, 75-94.	1.2	18
66	Numerical approach based on fractional-order Lagrange polynomials for solving a class of fractional differential equations. Computational and Applied Mathematics, 2018, 37, 3846-3868.	1.3	40
67	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
68	Numerical Solution of 1D and 2D Fractional Optimal Control of System via Bernoulli Polynomials. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	0.9	15
69	Boubaker hybrid functions and their application to solve fractional optimal control and fractional variational problems. , 2018, 63, 541-567.		15
70	Fractional-order Legendreâ€“Laguerre functions and their applications in fractional partial differential equations. Applied Mathematics and Computation, 2018, 336, 433-453.	1.4	66
71	Numerical solution a class of 2D fractional optimal control problems by using 2D MÃ¼ntzâ€Legendre wavelets. Optimal Control Applications and Methods, 2018, 39, 1916-1934.	1.3	28
72	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

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73	Application of the hybrid functions to solve neutral delay functional differential equations. International Journal of Computer Mathematics, 2017, 94, 503-514.	1.0	8
74	Numerical solution of fractional pantograph differential equations by using generalized fractional-order Bernoulli wavelet. Journal of Computational and Applied Mathematics, 2017, 309, 493-510.	1.1	130
75	A new operational matrix based on Bernoulli wavelets for solving fractional delay differential equations. Numerical Algorithms, 2017, 74, 223-245.	1.1	133
76	The Boubaker polynomials and their application to solve fractional optimal control problems. Nonlinear Dynamics, 2017, 88, 1013-1026.	2.7	53
77	Fractional-order Bernoulli functions and their applications in solving fractional Fredholemâ€“Volterra integro-differential equations. Applied Numerical Mathematics, 2017, 122, 66-81.	1.2	51
78	Fractional-order Bernoulli wavelets and their applications. Applied Mathematical Modelling, 2016, 40, 8087-8107.	2.2	82
79	An efficient approximate method for solving delay fractional optimal control problems. Nonlinear Dynamics, 2016, 86, 1649-1661.	2.7	63
80	A numerical solution for fractional optimal control problems via Bernoulli polynomials. JVC/Journal of Vibration and Control, 2016, 22, 3889-3903.	1.5	75
81	Bernoulli wavelet operational matrix of fractional order integration and its applications in solving the fractional order differential equations. Applied Mathematical Modelling, 2014, 38, 6038-6051.	2.2	135
82	On Spectral Method for Volterra Functional Integro-Differential Equations of Neutral Type. Numerical Functional Analysis and Optimization, 2014, 35, 223-239.	0.6	20
83	Hybrid functions approach for optimal control of systems described by integro-differential equations. Applied Mathematical Modelling, 2013, 37, 3355-3368.	2.2	35
84	Numerical solution of a class of two-dimensional nonlinear Volterra integral equations using Legendre polynomials. Journal of Computational and Applied Mathematics, 2013, 242, 53-69.	1.1	99
85	A hybrid functions approach for the Duffing equation. Physica Scripta, 2013, 88, 025002.	1.2	19
86	LEGENDRE EXPANSION METHODS FOR THE NUMERICAL SOLUTION OF NONLINEAR 2D FREDHOLM INTEGRAL EQUATIONS OF THE SECOND KIND. Journal of Applied Mathematics & Informatics, 2013, 31, 609-621.	0.1	17
87	Numerical solution of two-dimensional integral-algebraic systems using Legendre functions. , 2012, , .		0
88	Numerical solution of the delay differential equations of pantograph type via Chebyshev polynomials. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4815-4830.	1.7	141
89	Optimal Control of Delay Systems by Using a Hybrid Functions Approximation. Journal of Optimization Theory and Applications, 2012, 153, 338-356.	0.8	72
90	Hybrid functions approach for nonlinear constrained optimal control problems. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1831-1843.	1.7	71

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91	Approximate Solutions of Differential Equations by Using the Bernstein Polynomials. ISRN Applied Mathematics, 2011, 2011, 1-15.	0.5	11
92	Solution of nonlinear Volterraâ€“Fredholmâ€“Hammerstein integral equations via a collocation method and rationalized Haar functions. Applied Mathematics Letters, 2008, 21, 4-9.	1.5	59
93	Solution of nonlinear Volterraâ€“Fredholmâ€“Hammerstein integral equations via rationalized Haar functions. Applied Mathematics and Computation, 2006, 180, 436-443.	1.4	33
94	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
95	A Rationalized Haar Functions Method for Nonlinear Fredholm-hammerstein Integral Equations. International Journal of Computer Mathematics, 2002, 79, 333-343.	1.0	28
96	Solution of nonlinear Volterra-Hammerstein integral equations via rationalized Haar functions. Mathematical Problems in Engineering, 2001, 7, 205-219.	0.6	22
97	Solution of differential equations via rationalized Haar functions. Mathematics and Computers in Simulation, 2001, 56, 235-246.	2.4	17
98	An application of rationalized Haar functions for variational problems. Applied Mathematics and Computation, 2001, 122, 353-364.	1.4	24
99	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
100	Developing the discretization method for fractalâ€fractional twoâ€dimensional Fredholmâ€“Volterra integroâ€differential equations. Mathematical Methods in the Applied Sciences, 0, , .	1.2	1
101	An Analytical Method for Solving the Model of Pollution for a System of Lakes. SSRN Electronic Journal, 0, , .	0.4	0
102	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
103	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