Mohsen Razzaghi

List of Publications by Year
in descending order

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217 papers	5,144 citations	101543 36 h-index	123424 61 g-index
219 all docs	219 docs citations	219 times ranked	1560 citing authors

#	Article	IF	Citations
1	The pseudospectral Legendre method for discretizing optimal control problems. IEEE Transactions on Automatic Control, 1995, 40, 1793-1796.	5.7	571
2	The Legendre wavelets operational matrix of integration. International Journal of Systems Science, 2001, 32, 495-502.	5.5	219
3	Legendre wavelets method for the nonlinear Volterraâ€“Fredholm integral equations. Mathematics and Computers in Simulation, 2005, 70, 1-8.	4.4	162
4	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.	4.2	135
5	Legendre wavelets direct method for variational problems. Mathematics and Computers in Simulation, 2000, 53, 185-192.	4.4	123
6	Numerical solution of distributed order fractional differential equations by hybrid functions. Journal of Computational Physics, 2016, 315, 169-181.	3.8	109
7	Optimal control of linear delay systems via hybrid of block-pulse and Legendre polynomials. Journal of the Franklin Institute, 2004, 341, 279-293.	3.4	101
8	Rational Legendre Approximation for Solving some Physical Problems on Semi-Infinite Intervals. Physica Scripta, 2004, 69, 353-357.	2.5	90
9	Application of the Adomian decomposition method for the Fokkerâ€“Planck equation. Mathematical and Computer Modelling, 2007, 45, 639-650.	2.0	89
10	Fourier series direct method for variational problems. International Journal of Control, 1988, 48, 887-895.	1.9	87
11	Legendre wavelets approach for numerical solutions of distributed order fractional differential equations. Applied Mathematical Modelling, 2019, 70, 350-364.	4.2	76
12	A numerical solution for fractional optimal control problems via Bernoulli polynomials. JVC/Journal of Vibration and Control, 2016, 22, 3889-3903.	2.6	75
13	Rational Chebyshev tau method for solving higher-order ordinary differential equations. International Journal of Computer Mathematics, 2004, 81, 73-80.	1.8	74
14	Optimal Control of Delay Systems by Using a Hybrid Functions Approximation. Journal of Optimization Theory and Applications, 2012, 153, 338-356.	1.5	72
15	Hybrid functions approach for nonlinear constrained optimal control problems. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1831-1843.	3.3	71
16	Solution of multi-delay systems using hybrid of block-pulse functions and Taylor series. Journal of Sound and Vibration, 2006, 292, 954-963.	3.9	69
17	Fractional-order Legendreâ€“Laguerre functions and their applications in fractional partial differential equations. Applied Mathematics and Computation, 2018, 336, 433-453.	2.2	66
18	Rational Chebyshev tau method for solving Volterraâ€™s population model. Applied Mathematics and Computation, 2004, 149, 893-900.	2.2	63

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19	Short communication: A collocation-type method for linear quadratic optimal control problems. Optimal Control Applications and Methods, 1997, 18, 227-235.	2.1	62
20	A composite collocation method for the nonlinear mixed Volterraâ€“Fredholmâ€“Hammerstein integral equations. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 1186-1194.	3.3	62
21	Legendre wavelets method for the solution of nonlinear problems in the calculus of variations. Mathematical and Computer Modelling, 2001, 34, 45-54.	2.0	60
22	Solution of nonlinear Volterraâ€“Fredholmâ€“Hammerstein integral equations via a collocation method and rationalized Haar functions. Applied Mathematics Letters, 2008, 21, 4-9.	2.7	59
23	Semiorthogonal spline wavelets approximation for Fredholm integro-differential equations. Mathematical Problems in Engineering, 2006, 2006, 1-12.	1.1	55
24	Hybrid functions for nonlinear initial-value problems with applications to Laneâ€“Emden type equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 5883-5886.	2.1	54
25	Solution of the matrix Riccati equation for the linear quadratic control problems. Mathematical and Computer Modelling, 1998, 27, 51-55.	2.0	53
26	The Taylor wavelets method for solving the initial and boundary value problems of Bratu-type equations. Applied Numerical Mathematics, 2018, 128, 205-216.	2.1	51
27	Hybrid functions approach for linearly constrained quadratic optimal control problems. Applied Mathematical Modelling, 2003, 27, 471-485.	4.2	49
28	Direct method for variational problems via hybrid of block-pulse and chebyshev functions. Mathematical Problems in Engineering, 2000, 6, 85-97.	1.1	48
29	Analysis of Time-delay Systems via Hybrid of Block-pulse Functions and Taylor Series. JVC/Journal of Vibration and Control, 2005, 11, 1455-1468.	2.6	47
30	An approximate method for solving fractional optimal control problems by hybrid functions. JVC/Journal of Vibration and Control, 2018, 24, 1621-1631.	2.6	44
31	Solution of time-varying delay systems by hybrid functions. Mathematics and Computers in Simulation, 2004, 64, 597-607.	4.4	43
32	Numerical solution of the fractional Bagley-Torvik equation by using hybrid functions approximation. Mathematical Methods in the Applied Sciences, 2016, 39, 353-365.	2.3	43
33	Two-dimensional Legendre Wavelets Method for the Mixed Volterra-Fredholm Integral Equations. JVC/Journal of Vibration and Control, 2007, 13, 1667-1675.	2.6	41
34	Solution of Volterra's population model via blockâ€pulse functions and Lagrangeâ€interpolating polynomials. Mathematical Methods in the Applied Sciences, 2009, 32, 127-134.	2.3	41
35	Legendre wavelets method for constrained optimal control problems. Mathematical Methods in the Applied Sciences, 2002, 25, 529-539.	2.3	39
36	Rationalized Haar approach for nonlinear constrained optimal control problems. Applied Mathematical Modelling, 2010, 34, 174-183.	4.2	39

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37	Pseudo-operational matrix method for the solution of variable-order fractional partial integro-differential equations. Engineering With Computers, 2021, 37, 1791.	6.1	37
38	A hybrid analysis direct method in the calculus of variations. International Journal of Computer Mathematics, 2000, 75, 259-269.	1.8	35
39	Solution of Hallen's integral equation using multiwavelets. Computer Physics Communications, 2005, 168, 187-197.	7.5	35
40	Hybrid functions approach for optimal control of systems described by integro-differential equations. Applied Mathematical Modelling, 2013, 37, 3355-3368.	4.2	35
41	Analysis of Multi-delay and Piecewise Constant Delay Systems by Hybrid Functions Approximation. Differential Equations and Dynamical Systems, 2016, 24, 1-20.	1.0	34
42	A generalized fractional-order Chebyshev wavelet method for two-dimensional distributed-order fractional differential equations. Communications in Nonlinear Science and Numerical Simulation, 2021, 95, 105597.	3.3	33
43	Sine-cosine wavelets operational matrix of integration and its applications in the calculus of variations. International Journal of Systems Science, 2002, 33, 805-810.	5.5	31
44	Solution of nonlinear Fredholm-Hammerstein integral equations by using semiorthogonal spline wavelets. Mathematical Problems in Engineering, 2005, 2005, 113-121.	1.1	31
45	Numerical solution of nonlinear fractional integro-differential equations by hybrid functions. Engineering Analysis With Boundary Elements, 2015, 56, 81-89.	3.7	31
46	Sinc-galerkin solution for nonlinear two-point boundary value problems with applications to chemical reactor theory. Mathematical and Computer Modelling, 2005, 42, 1237-1244.	2.0	30
47	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.	5.5	30
48	Modified rational Legendre approach to laminar viscous flow over a semi-infinite flat plate. Chaos, Solitons and Fractals, 2008, 35, 59-66.	5.1	29
49	Combination of Lucas wavelets with Legendreâ€“Gauss quadrature for fractional Fredholmâ€“Volterra integro-differential equations. Journal of Computational and Applied Mathematics, 2021, 382, 113070.	2.0	29
50	Taylor wavelet method for fractional delay differential equations. Engineering With Computers, 2021, 37, 231-240.	6.1	29
51	A Rationalized Haar Functions Method for Nonlinear Fredholm-hammerstein Integral Equations. International Journal of Computer Mathematics, 2002, 79, 333-343.	1.8	28
52	Combined finite difference and spectral methods for the numerical solution of hyperbolic equation with an integral condition. Numerical Methods for Partial Differential Equations, 2008, 24, 1-8.	3.6	28
53	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.	2.3	28
54	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.	1.6	27

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55	A numerical method for fractional pantograph differential equations based on Taylor wavelets. Transactions of the Institute of Measurement and Control, 2020, 42, 1334-1344.	1.7	27
56	Linear quadratic optimal control problems via shifted Legendre state parametrization. International Journal of Systems Science, 1994, 25, 393-399.	5.5	24
57	An application of rationalized Haar functions for variational problems. Applied Mathematics and Computation, 2001, 122, 353-364.	2.2	24
58	Sinc-Collocation Methods for the Solution of Hallen's Integral Equation. Journal of Electromagnetic Waves and Applications, 2005, 19, 245-256.	1.6	24
59	Numerical solutions of fractional differential equations by using fractional Taylor basis. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 98-106.	13.1	24
60	Single-term Walsh series method for the Volterra integro-differential equations. Engineering Analysis With Boundary Elements, 2004, 28, 1315-1319.	3.7	23
61	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.	2.2	23
62	A computational solution for a Matrix Riccati differential equation. Numerische Mathematik, 1979, 32, 271-279.	1.9	22
63	Solution of nonlinear Volterra-Hammerstein integral equations via rationalized Haar functions. Mathematical Problems in Engineering, 2001, 7, 205-219.	1.1	22
64	Solution of the matrix Riccati equation in optimal control. Information Sciences, 1978, 16, 61-73.	6.9	21
65	Optimal control of linear time-varying systems via Fourier series. Journal of Optimization Theory and Applications, 1990, 65, 375-384.	1.5	21
66	Optimal control of singular systemsVIAlegendre series. International Journal of Computer Mathematics, 1998, 70, 241-250.	1.8	21
67	The numerical solution of third-order boundary value problems using Sinc-collocation method. Communications in Numerical Methods in Engineering, 2006, 23, 681-689.	1.3	21
68	Composite spectral functions for solving Volterraâ€™s population model. Chaos, Solitons and Fractals, 2007, 34, 588-593.	5.1	21
69	A numerical method based on fractional-order generalized Taylor wavelets for solving distributed-order fractional partial differential equations. Applied Numerical Mathematics, 2021, 160, 349-367.	2.1	21
70	Piecewise Chebyshev cardinal functions: Application for constrained fractional optimal control problems. Chaos, Solitons and Fractals, 2021, 150, 111118.	5.1	21
71	A tau method approach for the diffusion equation with nonlocal boundary conditions. International Journal of Computer Mathematics, 2004, 81, 1427-1432.	1.8	20
72	Solution of nonlinear Volterra-Hammerstein integral equations via single-term Walsh series method. Mathematical Problems in Engineering, 2005, 2005, 547-554.	1.1	20

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73	Legendre wavelet method for fractional delay differential equations. Applied Numerical Mathematics, 2021, 168, 127-142.	2.1	20
74	A hybrid functions approach for the Duffing equation. Physica Scripta, 2013, 88, 025002.	2.5	19
75	An approximate method for solving fractional optimal control problems by the hybrid of blockâ€pulse functions and Taylor polynomials. Optimal Control Applications and Methods, 2018, 39, 873-887.	2.1	19
76	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.	1.2	19
77	Taylor series direct method for variational problems. Journal of the Franklin Institute, 1988, 325, 125-131.	3.4	18
78	NUMERICAL SOLUTION OF THE CONTROLLED DUFFING OSCILLATOR BY THE INTERPOLATING SCALING FUNCTIONS. Journal of Electromagnetic Waves and Applications, 2004, 18, 691-705.	1.6	18
79	Sparse representation of system of Fredholm integro-differential equations by using alpert multiwavelets. Computational Mathematics and Mathematical Physics, 2015, 55, 1468-1483.	0.8	18
80	The Numerical Solution of the Bagleyâ€“Torvik Equation With Fractional Taylor Method. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	1.2	18
81	Taylor series analysis of time-varying multi-delay systems. International Journal of Control, 1989, 50, 183-192.	1.9	17
82	Instabilities in the solution of a heat conduction problem using taylor series and alternative approaches. Journal of the Franklin Institute, 1989, 326, 683-690.	3.4	17
83	Solution of differential equations via rationalized Haar functions. Mathematics and Computers in Simulation, 2001, 56, 235-246.	4.4	17
84	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.	1.6	17
85	Numerical solution of the controlled Duffing oscillator by hybrid functions. Applied Mathematics and Computation, 2003, 140, 179-190.	2.2	15
86	An Efficient Method for Numerical Solutions of Distributed-Order Fractional Differential Equations. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	15
87	Fractional-order Bessel functions with various applications. , 2019, 64, 637-662.		15
88	A fractionalâ€order generalized Taylor wavelet method for nonlinear fractional delay and nonlinear fractional pantograph differential equations. Mathematical Methods in the Applied Sciences, 2021, 44, 4156-4175.	2.3	15
89	A Taylor series method for the solution of the linear initialâ€“boundary-value problems for partial differential equations. Computers and Mathematics With Applications, 2013, 66, 1329-1343.	2.7	14
90	Solution of the Nonlinear Mixed Volterra-Fredholm Integral Equations by Hybrid of Block-Pulse Functions and Bernoulli Polynomials. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	14

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91	Fractional-order Boubaker wavelets method for solving fractional Riccati differential equations. Applied Numerical Mathematics, 2021, 168, 221-234.	2.1	14
92	A numerical approach for a class of nonlinear optimal control problems with piecewise fractional derivative. Chaos, Solitons and Fractals, 2021, 152, 111465.	5.1	14
93	Optimal control of linear distributed-parameter systems via polynomial series. International Journal of Systems Science, 1989, 20, 1141-1148.	5.5	13
94	A Pseudospectral Method for Hammerstein Equations. Journal of Mathematical Analysis and Applications, 1996, 199, 579-591.	1.0	13
95	Solution of time-varying singular nonlinear systems by single-term Walsh series. Mathematical Problems in Engineering, 2003, 2003, 129-136.	1.1	13
96	Numerical solution of the controlled Duffing oscillator by semi-orthogonal spline wavelets. Physica Scripta, 2006, 74, 362-366.	2.5	13
97	Nonclassical pseudospectral method for the solution of brachistochrone problem. Chaos, Solitons and Fractals, 2007, 34, 1622-1628.	5.1	13
98	Numerical solutions for distributed-order fractional optimal control problems by using generalized fractional-order Chebyshev wavelets. Nonlinear Dynamics, 2022, 108, 265-277.	5.2	13
99	A Schur method for the solution of the matrix Riccati equation. International Journal of Mathematics and Mathematical Sciences, 1997, 20, 335-338.	0.7	12
100	A hybrid domain analysis for systems with delays in state and control. Mathematical Problems in Engineering, 2001, 7, 337-353.	1.1	12
101	Solution of the generalized Emdenâ€“Fowler equations by the hybrid functions method. Physica Scripta, 2009, 80, 025001.	2.5	12
102	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.	1.6	12
103	Solutions of convolution integral and Fredholm integral equations via double Fourier series. Applied Mathematics and Computation, 1990, 40, 215-224.	2.2	12
104	NUMERICAL SOLUTION OF VARIABLE-ORDER TIME FRACTIONAL WEAKLY SINGULAR PARTIAL INTEGRO-DIFFERENTIAL EQUATIONS WITH ERROR ESTIMATION. Mathematical Modelling and Analysis, 2020, 25, 680-701.	1.5	12
105	On the Greenâ€functions technique and phase velocity approximation of axially symmetric fields in stratified media. Journal of Mathematical Physics, 1996, 37, 3824-3832.	1.1	11
106	Tau method approximation for radiative transfer problems in a slab medium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 72, 439-447.	2.3	11
107	The qualitative behavior of solutions of a nonlinear difference equation. Applied Mathematics and Computation, 2005, 170, 485-502.	2.2	11
108	Optimization of time delay systems by hybrid functions. Optimization and Engineering, 2009, 10, 363-376.	2.4	11

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109	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.	1.9	11
110	Vieta-Lucas polynomials for the coupled nonlinear variable-order fractional Ginzburg-Landau equations. Applied Numerical Mathematics, 2021, 165, 442-458.	2.1	11
111	Solutions of convolution integral and Fredholm integral equations via double Fourier series. Applied Mathematics and Computation, 1990, 40, 215-224.	2.2	10
112	Solution of linear two-point boundary value problems and optimal control of time-varying systems by shifted Chebyshev approximations. Journal of the Franklin Institute, 1990, 327, 321-328.	3.4	10
113	A legendre technique for solving time-varying linear quadratic optimal control problems. Journal of the Franklin Institute, 1993, 330, 453-463.	3.4	10
114	Numerical solution of the controlled Duffing oscillator by the pseudospectral method. Journal of Computational and Applied Mathematics, 1994, 56, 253-261.	2.0	10
115	Hartley series approximations for the parabolic equations. International Journal of Computer Mathematics, 2005, 82, 1149-1156.	1.8	10
116	Application of fractional Gegenbauer functions in variable-order fractional delay-type equations with non-singular kernel derivatives. Chaos, Solitons and Fractals, 2020, 140, 110111.	5.1	10
117	Modified wavelet method for solving fractional variational problems. JVC/Journal of Vibration and Control, 2021, 27, 582-596.	2.6	10
118	Analysis of linear time-varying systems and bilinear systems via Fourier series. International Journal of Control, 1989, 50, 889-898.	1.9	9
119	A pseudospectral technique for the discrete reconstruction of the three-dimensional equivalent-current density. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 802-805.	4.6	9
120	Solution of Laneâ€“Emden type equations using rational Bernoulli functions. Mathematical Methods in the Applied Sciences, 2016, 39, 1268-1284.	2.3	9
121	Nonlinear Constrained Optimal Control Problems and Cardinal Hermite Interpolant Multiscaling Functions. Asian Journal of Control, 2018, 20, 558-567.	3.0	9
122	Orthonormal shifted discrete Chebyshev polynomials: Application for a fractal-fractional version of the coupled SchrÃ¶dinger-Boussinesq system. Chaos, Solitons and Fractals, 2021, 143, 110570.	5.1	9
123	A new class of orthonormal basis functions: application for fractional optimal control problems. International Journal of Systems Science, 2022, 53, 240-252.	5.5	9
124	Orthonormal piecewise Bernoulli functions: Application for optimal control problems generated using fractional integro-differential equations. JVC/Journal of Vibration and Control, 2023, 29, 1164-1175.	2.6	9
125	A computational solution for the matrix riccati equation using laplace transforms. International Journal of Computer Mathematics, 1982, 11, 297-304.	1.8	8
126	Identification of nonlinear differential equations via Fourier series operational matrix for repeated integration. Applied Mathematics and Computation, 1995, 68, 189-198.	2.2	8

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127	A Chebyshev spectral method for the solution of nonlinear optimal control problems. Applied Mathematical Modelling, 1997, 21, 255-260.	4.2	8
128	A numerical solution to the Gel'fand-Levitan-Marchenko equation. Applied Mathematics and Computation, 1998, 89, 31-39.	2.2	8
129	On the solution of the covariance matrix differential equation for singular systems. International Journal of Computer Mathematics, 1998, 68, 337-343.	1.8	8
130	Single-Term Walsh Series Direct Method for the Solution of Nonlinear Problems in the Calculus of Variations. JVC/Journal of Vibration and Control, 2004, 10, 1071-1081.	2.6	8
131	Solutions of the Blasius and MHD Falkner-Skan boundary-layer equations by modified rational Bernoulli functions. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 1687-1705.	2.8	8
132	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.	2.2	8
133	Fourier series approach for the solution of linear two-point boundary value problems with time-varying coefficients. International Journal of Systems Science, 1990, 21, 1783-1794.	5.5	7
134	Optimum pulse-width modulated patterns in induction motors using Walsh functions. Electric Power Systems Research, 1995, 35, 87-91.	3.6	7
135	Optimal control of singular systems via piecewise linear polynomial functions. Mathematical Methods in the Applied Sciences, 2002, 25, 399-408.	2.3	7
136	Least squares support vector regression for solving Volterra integral equations. Engineering With Computers, 2022, 38, 789-796.	6.1	7
137	Fractional-Lucas optimization method for evaluating the approximate solution of the multi-dimensional fractional differential equations. Engineering With Computers, 2022, 38, 481-495.	6.1	7
138	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.	1.6	7
139	Modified wavelet method for solving multitype variable-order fractional partial differential equations generated from the modeling of phenomena. Mathematical Sciences, 0, , 1.	1.7	7
140	Highly accurate solutions for spaceâ€“time fractional SchrÃ¶dinger equations with non-smooth continuous solution using the hybrid clique functions. Mathematical Sciences, 2023, 17, 31-42.	1.7	7
141	Extended Chebyshev cardinal wavelets for nonlinear fractional delay optimal control problems. International Journal of Systems Science, 2022, 53, 1048-1067.	5.5	7
142	Shifted-Jacobi series direct method for variational problems. International Journal of Systems Science, 1989, 20, 1119-1129.	5.5	6
143	Identification of time-varying linear and bilinear systems via Fourier series. Computers and Electrical Engineering, 1991, 17, 237-244.	4.8	6
144	Application of Legendre series to the control problems governed by linear parabolic equations. Mathematics and Computers in Simulation, 1996, 42, 77-84.	4.4	6

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145	Global stability of a higher order rational recursive sequence. Applied Mathematics and Computation, 2006, 179, 161-174.	2.2	6
146	A COMBINED ADAPTIVE CONTROL PARAMETRIZATION AND HOMOTOPY CONTINUATION TECHNIQUE FOR THE NUMERICAL SOLUTION OF BANGâ€“BANG OPTIMAL CONTROL PROBLEMS. ANZIAM Journal, 2014, 56, 48-65.	0.2	6
147	Jacobi spectral method for variable-order fractional Benneyâ€“Lin equation arising in falling film problems. Journal of Computational and Applied Mathematics, 2022, 402, 113813.	2.0	6
148	Fractionalâ€•order Chebyshev wavelet method for variableâ€•order fractional optimal control problems. Mathematical Methods in the Applied Sciences, 2022, 45, 827.	2.3	6
149	Fractional-order generalized Taylor wavelet method for systems of nonlinear fractional differential equations with application to human respiratory syncytial virus infection. Soft Computing, 2022, 26, 165-173.	3.6	6
150	Application of the extended Chebyshev cardinal wavelets in solving fractional optimal control problems with ABC fractional derivative. International Journal of Systems Science, 2022, 53, 2694-2708.	5.5	6
151	An approach to solve fractional optimal control problems via fractional-order Boubaker wavelets. JVC/Journal of Vibration and Control, 2023, 29, 1806-1819.	2.6	6
152	Solution of optimal control problems governed by volterra integral and fractional integro-differential equations. JVC/Journal of Vibration and Control, 2023, 29, 3796-3808.	2.6	6
153	Solution of linear two-point boundary value problems with time-varying coefficients via Taylor series. International Journal of Systems Science, 1989, 20, 2075-2084.	5.5	5
154	A pseudospectral collocation method for the brachistochrone problem. Mathematics and Computers in Simulation, 1994, 36, 241-246.	4.4	5
155	A collocation-type method for the solution of inverse problems in dispersive scattering theory. Microwave and Optical Technology Letters, 1995, 9, 14-17.	1.4	5
156	Approximate solution to the envelope of a pulse propagating in a nonlinear optical fibre. IEE Proceedings: Optoelectronics, 1996, 143, 200-204.	0.8	5
157	Simultaneous reconstruction of approximate profiles of an inhomogeneous lossy medium through a collocation method. Journal Physics D: Applied Physics, 1997, 30, 3274-3278.	2.8	5
158	On the Approximation To the Permittivity Profile of an Inhomogeneous Dielectric Slab. Journal of Electromagnetic Waves and Applications, 1998, 12, 713-722.	1.6	5
159	Cellulose Cork/phenolic Aerogel Nanocomposites as a Lightweight Thermal Insulator. , 2015, 11, 527-530.		5
160	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.	1.3	5
161	Numerical investigation of variableâ€•order fractional Benjaminâ€“Bonaâ€“Mahonyâ€“Burgers equation using a pseudoâ€•spectral method. Mathematical Methods in the Applied Sciences, 2021, 44, 8669-8683.	2.3	5
162	Orthonormal Bernoulli polynomials for spaceâ€“time fractal-fractional modified Benjaminâ€“Bonaâ€“Mahony type equations. Engineering With Computers, 2022, 38, 3483-3496.	6.1	5

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163	Legendre wavelets method for constrained optimal control problems. Mathematical Methods in the Applied Sciences, 2002, 25, 529.	2.3	5
164	A collocation method for optimal control of linear systems with inequality constraints. Mathematical Problems in Engineering, 1998, 3, 503-515.	1.1	4
165	State Analysis Of Time-Varying Singular Bilinear Systems By Single-Term Walsh Series. International Journal of Computer Mathematics, 2003, 80, 413-418.	1.8	4
166	On the higher order rational recursive sequence. Applied Mathematics and Computation, 2006, 173, 710-723.	2.2	4
167	Global behavior of the difference equation xn+1=xn-l+11+a0xn+a1xn-1+â‹¯+alxn-l+xn-l+1. Chaos, Solitons and Fractals, 2008, 35, 543-549.	5.1	4
168	Solution of variational problems via hybrid of block-pulse and Lagrange interpolating. IET Control Theory and Applications, 2009, 3, 1363-1369.	2.1	4
169	Cardinal Hermite interpolant multiscaling functions for solving a parabolic inverse problem. Turkish Journal of Mathematics, 2017, 41, 1009-1026.	0.7	4
170	Combined Shearlet Shrinkage and Total Variation Minimization for Image Denoising. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 31-37.	1.5	4
171	An effective method for solving nonlinear fractional differential equations. Engineering With Computers, 2020, , 1.	6.1	4
172	Thirdâ€kind Chebyshev cardinal functions for variableâ€order time fractional RLWâ€Burgers equation. Mathematical Methods in the Applied Sciences, 2022, 45, 5670-5681.	2.3	4
173	Functional approximation for inversion of Laplace transforms via polynomial series. International Journal of Systems Science, 1989, 20, 1131-1139.	5.5	3
174	Solution of linear two-point boundary-value problems via polynomial series. International Journal of Systems Science, 1989, 20, 375-384.	5.5	3
175	A Collocation Method for the Solution of an Inverse Scattering Problem from Gradient-Type Interfaces. Physica Scripta, 2000, 61, 468-471.	2.5	3
176	Numerical Solution of Radiative Transfer Problems in a Slab Medium by Galerkin-type Approximation Techniques. Physica Scripta, 2001, 64, 97-101.	2.5	3
177	Determination of a time-dependent parameter in a one-dimensional quasi-linear parabolic equation with temperature overspecification. International Journal of Computer Mathematics, 2006, 83, 905-913.	1.8	3
178	The Pseudospectral Legendre Method for a Class of Singular Boundary Value Problems Arising in Physiology. JVC/Journal of Vibration and Control, 2010, 16, 3-10.	2.6	3
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