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	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
2	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
3	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
4	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
5	Least squares support vector regression for solving Volterra integral equations. Engineering With Computers, 2022, 38, 789-796.	6.1	7
6	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
7	Orthonormal Bernoulli polynomials for spaceâ€“time fractal-fractional modified Benjaminâ€“Bonaâ€“Mahony type equations. Engineering With Computers, 2022, 38, 3483-3496.	6.1	5
8	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
9	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
10	Extended Chebyshev cardinal wavelets for nonlinear fractional delay optimal control problems. International Journal of Systems Science, 2022, 53, 1048-1067.	5.5	7
11	Fractionalâ€order Chebyshev wavelet method for variableâ€order fractional optimal control problems. Mathematical Methods in the Applied Sciences, 2022, 45, 827.	2.3	6
12	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
13	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
14	A SPECTRAL APPROACH FOR TIME-FRACTIONAL DIFFUSION AND SUBDIFFUSION EQUATIONS IN A LARGE INTERVAL. Mathematical Modelling and Analysis, 2022, 27, 19-40.	1.5	0
15	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
16	Numerical solutions for distributed-order fractional optimal control problems by using MÃ¼ntzâ€“Legendre wavelets. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, .	2.1	2
17	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
18	Numerical solutions for fractional optimal control problems by using generalised fractional-order Chebyshev wavelets. International Journal of Systems Science, 2022, 53, 778-792.	5.5	3

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19	Pseudo-operational matrix method for the solution of variable-order fractional partial integro-differential equations. Engineering With Computers, 2021, 37, 1791.	6.1	37
20	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
21	Modified wavelet method for solving fractional variational problems. JVC/Journal of Vibration and Control, 2021, 27, 582-596.	2.6	10
22	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
23	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
24	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
25	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
26	Taylor wavelet method for fractional delay differential equations. Engineering With Computers, 2021, 37, 231-240.	6.1	29
27	A numerical method for solving variableâ€order fractional diffusion equations using fractionalâ€order <scp>Taylor</scp> wavelets. Numerical Methods for Partial Differential Equations, 2021, 37, 2668-2686.	3.6	1
28	An improved numerical technique for distributedâ€order timeâ€fractional diffusion equations. Numerical Methods for Partial Differential Equations, 2021, 37, 2490-2510.	3.6	2
29	Hybrid Vessel Extraction Method Based onÂTight-Frame and EM Algorithms by Using 2D Dual Tree Complex Wavelet. Informatica, 2021, , 1-22.	2.7	1
30	Study of B-spline collocation method for solving fractional optimal control problems. Transactions of the Institute of Measurement and Control, 2021, 43, 2425-2437.	1.7	3
31	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
32	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
33	Fractional-order generalized Legendre wavelets and their applications to fractional Riccati differential equations. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, .	1.0	1
34	Vieta-Lucas polynomials for the coupled nonlinear variable-order fractional Ginzburg-Landau equations. Applied Numerical Mathematics, 2021, 165, 442-458.	2.1	11
35	Piecewise Chebyshev cardinal functions: Application for constrained fractional optimal control problems. Chaos, Solitons and Fractals, 2021, 150, 111118.	5.1	21
36	Legendre wavelet method for fractional delay differential equations. Applied Numerical Mathematics, 2021, 168, 127-142.	2.1	20

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37	Fractional-order Boubaker wavelets method for solving fractional Riccati differential equations. Applied Numerical Mathematics, 2021, 168, 221-234.	2.1	14
38	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
39	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
40	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
41	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
42	An effective method for solving nonlinear fractional differential equations. Engineering With Computers, 2020, , 1.	6.1	4
43	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
44	Numerical Simulation of Flow over Non-Linearly Stretching Sheet Considering Chemical Reaction and Magnetic Field. Mathematics, 2020, 8, 1496.	2.2	1
45	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
46	Derivative-orthogonal wavelets for discretizing constrained optimal control problems. International Journal of Systems Science, 2020, 51, 786-810.	5.5	2
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	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
49	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
50	Approximation of solutions of polynomial partial differential equations in two independent variables. Journal of Computational and Applied Mathematics, 2019, 346, 205-223.	2.0	3
51	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
52	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
53	Approximate solutions for the Bagley-Torvik fractional equation with boundary conditions using the Polynomial Least Squares Method. ITM Web of Conferences, 2019, 29, 01011.	0.5	3
54	Hybrid approximations for fractional calculus. ITM Web of Conferences, 2019, 29, 01001.	0.5	1

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55	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
56	Legendre wavelets approach for numerical solutions of distributed order fractional differential equations. Applied Mathematical Modelling, 2019, 70, 350-364.	4.2	76
57	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
58	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
59	Fractional-order Bessel functions with various applications. , 2019, 64, 637-662.		15
60	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
61	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
62	An Approximate Method for Solving a Vibration Equation Involving Fractional Derivatives. Springer Proceedings in Physics, 2018, , 13-19.	0.2	1
63	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
64	Nonlinear Constrained Optimal Control Problems and Cardinal Hermite Interpolant Multiscaling Functions. Asian Journal of Control, 2018, 20, 558-567.	3.0	9
65	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
66	A numerical scheme for problems in fractional calculus. ITM Web of Conferences, 2018, 20, 02001.	0.5	1
67	An Efficient Method for Numerical Solutions of Distributed-Order Fractional Differential Equations. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	15
68	Fractional-order Legendreâ€“Laguerre functions and their applications in fractional partial differential equations. Applied Mathematics and Computation, 2018, 336, 433-453.	2.2	66
69	Numerical solutions of fractional differential equations by using fractional Taylor basis. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 98-106.	13.1	24
70	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
71	Cardinal Hermite interpolant multiscaling functions for solving a parabolic inverse problem. Turkish Journal of Mathematics, 2017, 41, 1009-1026.	0.7	4
72	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

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73	Solution of Laneâ€“Emden type equations using rational Bernoulli functions. Mathematical Methods in the Applied Sciences, 2016, 39, 1268-1284.	2.3	9
74	Numerical solution of distributed order fractional differential equations by hybrid functions. Journal of Computational Physics, 2016, 315, 169-181.	3.8	109
75	A numerical solution for fractional optimal control problems via Bernoulli polynomials. JVC/Journal of Vibration and Control, 2016, 22, 3889-3903.	2.6	75
76	The Numerical Solution of the Bagleyâ€“Torvik Equation With Fractional Taylor Method. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	1.2	18
77	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
78	Numerical solution of nonlinear fractional integro-differential equations by hybrid functions. Engineering Analysis With Boundary Elements, 2015, 56, 81-89.	3.7	31
79	Improvement of Polyester Blanket Thermal Insulator Properties Using Phenolic Aerogel. , 2015, 11, 522-526.		1
80	Cellulose Cork/phenolic Aerogel Nanocomposites as a Lightweight Thermal Insulator. , 2015, 11, 527-530.		5
81	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
82	Hybrid Functions Approach for Variational Problems and Optimal Control of Delay Systems. Studies in Systems, Decision and Control, 2015, , 67-88.	1.0	1
83	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
84	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
85	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
86	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
87	Hybrid functions approach for optimal control of systems described by integro-differential equations. Applied Mathematical Modelling, 2013, 37, 3355-3368.	4.2	35
88	Hybrid Functions for Nonlinear Differential Equations with Applications to Physical Problems. Lecture Notes in Computer Science, 2013, , 86-94.	1.3	1
89	A hybrid functions approach for the Duffing equation. Physica Scripta, 2013, 88, 025002.	2.5	19
90	Optimal Control of Delay Systems by Using a Hybrid Functions Approximation. Journal of Optimization Theory and Applications, 2012, 153, 338-356.	1.5	72

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91	Hybrid functions approach for nonlinear constrained optimal control problems. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1831-1843.	3.3	71
92	Numerical iterative method for Volterra equations of the convolution type. Mathematical Methods in the Applied Sciences, 2011, 34, 140-146.	2.3	2
93	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
94	Rationalized Haar approach for nonlinear constrained optimal control problems. Applied Mathematical Modelling, 2010, 34, 174-183.	4.2	39
95	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
96	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
97	Optimization of time delay systems by hybrid functions. Optimization and Engineering, 2009, 10, 363-376.	2.4	11
98	Solution of the generalized Emdenâ€“Fowler equations by the hybrid functions method. Physica Scripta, 2009, 80, 025001.	2.5	12
99	Solution of variational problems via hybrid of block-pulse and Lagrange interpolating. IET Control Theory and Applications, 2009, 3, 1363-1369.	2.1	4
100	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
101	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
102	Numerical solution of the oneâ€dimensional heat equation on the bounded intervals using fundamental solutions. Numerical Methods for Partial Differential Equations, 2008, 24, 911-923.	3.6	1
103	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
104	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
105	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
106	Analysis of time-varying singular bilinear systems by hybrid functions. International Journal of Systems Science, 2008, 39, 229-235.	5.5	1
107	Solution of optimal control problems with time-delay. , 2008, , .		2
108	On The Applications Of Orthogonal Functions In The Mathematical Modeling Of Biological Processes. AIP Conference Proceedings, 2008, , .	0.4	0

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109	Composite spectral functions for solving Volterraâ€™s population model. Chaos, Solitons and Fractals, 2007, 34, 588-593.	5.1	21
110	Nonclassical pseudospectral method for the solution of brachistochrone problem. Chaos, Solitons and Fractals, 2007, 34, 1622-1628.	5.1	13
111	Application of the Adomian decomposition method for the Fokkerâ€“Planck equation. Mathematical and Computer Modelling, 2007, 45, 639-650.	2.0	89
112	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
113	Numerical solution of the controlled Duffing oscillator by semi-orthogonal spline wavelets. Physica Scripta, 2006, 74, 362-366.	2.5	13
114	Semiorthogonal spline wavelets approximation for Fredholm integro-differential equations. Mathematical Problems in Engineering, 2006, 2006, 1-12.	1.1	55
115	On the higher order rational recursive sequence. Applied Mathematics and Computation, 2006, 173, 710-723.	2.2	4
116	Global stability of a higher order rational recursive sequence. Applied Mathematics and Computation, 2006, 179, 161-174.	2.2	6
117	Oscillation and asymptotic behavior of a class of higher order nonlinear recursive sequences. Applied Mathematics and Computation, 2006, 179, 175-189.	2.2	1
118	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
119	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
120	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
121	A numerical technique for gradient-type interface in the inverse scattering problems. , 2006, , .		0
122	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.	2.6	2
123	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
124	The qualitative behavior of solutions of a nonlinear difference equation. Applied Mathematics and Computation, 2005, 170, 485-502.	2.2	11
125	Solution of Hallen's integral equation using multiwavelets. Computer Physics Communications, 2005, 168, 187-197.	7.5	35
126	Legendre wavelets method for the nonlinear Volterraâ€“Fredholm integral equations. Mathematics and Computers in Simulation, 2005, 70, 1-8.	4.4	162

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127	Solution of nonlinear Volterra-Hammerstein integral equations via single-term Walsh series method. Mathematical Problems in Engineering, 2005, 2005, 547-554.	1.1	20
128	Solution of nonlinear Fredholm-Hammerstein integral equations by using semiorthogonal spline wavelets. Mathematical Problems in Engineering, 2005, 2005, 113-121.	1.1	31
129	On the applications of orthogonal functions in pattern recognition. , 2005, , .		2
130	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
131	Sinc-Collocation Methods for the Solution of Hallen's Integral Equation. Journal of Electromagnetic Waves and Applications, 2005, 19, 245-256.	1.6	24
132	Hartley series approximations for the parabolic equations. International Journal of Computer Mathematics, 2005, 82, 1149-1156.	1.8	10
133	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
134	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
135	Solution of time-varying delay systems by hybrid functions. Mathematics and Computers in Simulation, 2004, 64, 597-607.	4.4	43
136	Rational Chebyshev tau method for solving Volterraâ€™s population model. Applied Mathematics and Computation, 2004, 149, 893-900.	2.2	63
137	Single-term Walsh series method for the Volterra integro-differential equations. Engineering Analysis With Boundary Elements, 2004, 28, 1315-1319.	3.7	23
138	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
139	Efficient Numerical Techniques for Solving Pocklington's Integral Equation Using Multiwavelets. Journal of Electromagnetic Waves and Applications, 2004, 18, 247-264.	1.6	1
140	Rational Legendre Approximation for Solving some Physical Problems on Semi-Infinite Intervals. Physica Scripta, 2004, 69, 353-357.	2.5	90
141	A tau method approach for the diffusion equation with nonlocal boundary conditions. International Journal of Computer Mathematics, 2004, 81, 1427-1432.	1.8	20
142	Rational Chebyshev tau method for solving higher-order ordinary differential equations. International Journal of Computer Mathematics, 2004, 81, 73-80.	1.8	74
143	A discrete bidirectional reflectance model in remote sensing. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 77, 335-343.	2.3	1
144	Numerical solution of the controlled Duffing oscillator by hybrid functions. Applied Mathematics and Computation, 2003, 140, 179-190.	2.2	15

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145	Hybrid functions approach for linearly constrained quadratic optimal control problems. Applied Mathematical Modelling, 2003, 27, 471-485.	4.2	49
146	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
147	Solution of time-varying singular nonlinear systems by single-term Walsh series. Mathematical Problems in Engineering, 2003, 2003, 129-136.	1.1	13
148	A Rationalized Haar Functions Method for Nonlinear Fredholm-hammerstein Integral Equations. International Journal of Computer Mathematics, 2002, 79, 333-343.	1.8	28
149	A Legendre Wavelet Method for the Radiative Transfer Equation in Remote Sensing. Journal of Electromagnetic Waves and Applications, 2002, 16, 1681-1693.	1.6	0
150	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
151	Optimal control of singular systems via piecewise linear polynomial functions. Mathematical Methods in the Applied Sciences, 2002, 25, 399-408.	2.3	7
152	Legendre wavelets method for constrained optimal control problems. Mathematical Methods in the Applied Sciences, 2002, 25, 529-539.	2.3	39
153	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
154	Legendre wavelets method for constrained optimal control problems. Mathematical Methods in the Applied Sciences, 2002, 25, 529.	2.3	5
155	The Legendre wavelets operational matrix of integration. International Journal of Systems Science, 2001, 32, 495-502.	5.5	219
156	Solution of nonlinear Volterra-Hammerstein integral equations via rationalized Haar functions. Mathematical Problems in Engineering, 2001, 7, 205-219.	1.1	22
157	A hybrid domain analysis for systems with delays in state and control. Mathematical Problems in Engineering, 2001, 7, 337-353.	1.1	12
158	Solution of differential equations via rationalized Haar functions. Mathematics and Computers in Simulation, 2001, 56, 235-246.	4.4	17
159	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
160	A collocation-type method for radiative transfer problems in a slab medium. Microwave and Optical Technology Letters, 2001, 28, 307-311.	1.4	0
161	An application of rationalized Haar functions for variational problems. Applied Mathematics and Computation, 2001, 122, 353-364.	2.2	24
162	Numerical Solution of Radiative Transfer Problems in a Slab Medium by Galerkin-type Approximation Techniques. Physica Scripta, 2001, 64, 97-101.	2.5	3

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163	Legendre wavelets direct method for variational problems. Mathematics and Computers in Simulation, 2000, 53, 185-192.	4.4	123
164	Numerical method for the analysis of time-varying singular systems. IET Control Theory and Applications, 2000, 147, 403-406.	1.7	2
165	Direct method for variational problems via hybrid of block-pulse and chebyshev functions. Mathematical Problems in Engineering, 2000, 6, 85-97.	1.1	48
166	A hybrid analysis direct method in the calculus of variations. International Journal of Computer Mathematics, 2000, 75, 259-269.	1.8	35
167	A Collocation Method for the Solution of an Inverse Scattering Problem from Gradient-Type Interfaces. Physica Scripta, 2000, 61, 468-471.	2.5	3
168	Reconstruction of Permittivity Profiles Through a Transformation of the Differential Equation for the Reflection Coefficient. Journal of Electromagnetic Waves and Applications, 1999, 13, 757-765.	1.6	2
169	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
170	Solution of the matrix Riccati equation for the linear quadratic control problems. Mathematical and Computer Modelling, 1998, 27, 51-55.	2.0	53
171	A numerical solution to the Gel'fand-Levitan-Marchenko equation. Applied Mathematics and Computation, 1998, 89, 31-39.	2.2	8
172	On the solution of the covariance matrix differential equation for singular systems. International Journal of Computer Mathematics, 1998, 68, 337-343.	1.8	8
173	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
174	A hybrid domain analysis for linear quadratic optimal control problems with control inequality constraints. International Journal of Systems Science, 1998, 29, 213-218.	5.5	1
175	Optimal control of singular systemsVIAlegendre series. International Journal of Computer Mathematics, 1998, 70, 241-250.	1.8	21
176	A collocation method for optimal control of linear systems with inequality constraints. Mathematical Problems in Engineering, 1998, 3, 503-515.	1.1	4
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