

Shaher M Momani

List of Publications by Year in descending order

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267
papers

15,518
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16791

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269
all docs

269
docs citations

269
times ranked

7259
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigations on COVID-19 model through singular and non-singular fractional operators. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	73
2	Adaptation of reproducing kernel method in solving Atangana-Baleanu fractional Bratu model. International Journal of Dynamics and Control, 2023, 11, 136-148.	1.5	10
3	The B-spline collocation method for solving conformable initial value problems of non-singular and singular types. AEJ - Alexandria Engineering Journal, 2022, 61, 963-974.	3.4	9
4	Effective numerical technique for nonlinear Caputo-Fabrizio systems of fractional Volterra integro-differential equations in Hilbert space. AEJ - Alexandria Engineering Journal, 2022, 61, 1778-1786.	3.4	9
5	The cubic B-spline interpolation method for numerical point solutions of conformable boundary value problems. AEJ - Alexandria Engineering Journal, 2022, 61, 1519-1528.	3.4	15
6	Lie symmetry analysis, explicit solutions, and conservation laws of the time-fractional Fisher equation in two-dimensional space. Journal of Ocean Engineering and Science, 2022, 7, 345-352.	1.7	9
7	Fractional-order biological system: chaos, multistability and coexisting attractors. European Physical Journal: Special Topics, 2022, 231, 1061-1070.	1.2	11
8	A THEORETICAL STUDY ON FRACTIONAL EBOLA HEMORRHAGIC FEVER MODEL. Fractals, 2022, 30, .	1.8	1
9	EXACT SOLITON SOLUTIONS FOR CONFORMABLE FRACTIONAL SIX WAVE INTERACTION EQUATIONS BY THE ANSATZ METHOD. Fractals, 2022, 30, .	1.8	2
10	A New Measure of Quantum Starlike Functions Connected with Julia Functions. Journal of Function Spaces, 2022, 2022, 1-9.	0.4	3
11	Finite difference analysis for entropy optimized flow of Casson fluid with thermo diffusion and diffusion-thermo effects. International Journal of Hydrogen Energy, 2022, 47, 8048-8059.	3.8	23
12	Constructing non-fixed-point maps with memristors. European Physical Journal Plus, 2022, 137, .	1.2	16
13	On Variable-Order Fractional Discrete Neural Networks: Solvability and Stability. Fractal and Fractional, 2022, 6, 119.	1.6	24
14	A study on fractional HBV model through singular and non-singular derivatives. European Physical Journal: Special Topics, 2022, 231, 1885-1904.	1.2	8
15	Multi-step reproducing kernel algorithm for solving Caputo-Fabrizio fractional stiff models arising in electric circuits. Soft Computing, 2022, 26, 3713-3727.	2.1	16
16	Stability and bifurcation analysis of a fractional-order model of cell-cell spread of HIV-1 with a discrete time delay. Mathematical Methods in the Applied Sciences, 2022, 45, 7081-7095.	1.2	16
17	On the Stability of Incommensurate h-Nabla Fractional-Order Difference Systems. Fractal and Fractional, 2022, 6, 158.	1.6	11
18	On group of Lie symmetry analysis, explicit series solutions and conservation laws for the time-fractional (2q+1)-dimensional Zakharov-Kuznetsov (q,p,r) equation. Journal of Geometry and Physics, 2022, 176, 104512.	0.7	6

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19	New results for the stability of fractional-order discrete-time neural networks. AEJ - Alexandria Engineering Journal, 2022, 61, 10359-10369.	3.4	22
20	A study of a modified nonlinear dynamical system with fractal-fractional derivative. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 2620-2639.	1.6	3
21	A FRACTAL-FRACTIONAL 2019-NCOV MODEL OF MAJOR DISASTER FOR HUMAN LIFE. Fractals, 2022, 30, .	1.8	3
22	Fractional-order coronavirus models with vaccination strategies impacted on Saudi Arabia's infections. AIMS Mathematics, 2022, 7, 12842-12858.	0.7	11
23	New optical soliton solutions for coupled resonant Davey-Stewartson system with conformable operator. Optical and Quantum Electronics, 2022, 54, .	1.5	5
24	Multivalent Functions and Differential Operator Extended by the Quantum Calculus. Fractal and Fractional, 2022, 6, 354.	1.6	8
25	Certain integral representations involving hypergeometric functions in two variables. Mathematica Moravica, 2022, 26, 27-36.	0.6	1
26	A Novel Fractional-Order Discrete SIR Model for Predicting COVID-19 Behavior. Mathematics, 2022, 10, 2224.	1.1	16
27	Numerical solution of fractional differential equations with temporal two-point BVPs using reproducing kernel Hilbert space method. AIMS Mathematics, 2021, 6, 3465-3485.	0.7	3
28	Generating Multidirectional Variable Hidden Attractors via Newly Commensurate and Incommensurate Non-Equilibrium Fractional-Order Chaotic Systems. Entropy, 2021, 23, 261.	1.1	11
29	Numerical approach in the Hilbert space to solve a fuzzy Atangana-Baleanu fractional hybrid system. Chaos, Solitons and Fractals, 2021, 143, 110506.	2.5	59
30	Entropy Optimization in Nonlinear Mixed Convective Flow of Nanomaterials Through Porous Space. Journal of Non-Equilibrium Thermodynamics, 2021, 46, 191-203.	2.4	15
31	An attractive numerical algorithm for solving nonlinear Caputo-Fabrizio fractional Abel differential equation in a Hilbert space. Advances in Difference Equations, 2021, 2021, .	3.5	36
32	Numerical simulation of MHD hybrid nanofluid flow by a stretchable surface. Chinese Journal of Physics, 2021, 71, 597-609.	2.0	16
33	A Fractional Approach to a Computational Eco-Epidemiological Model with Holling Type-II Functional Response. Symmetry, 2021, 13, 1159.	1.1	6
34	Quarter-Sweep Preconditioned Relaxation Method, Algorithm and Efficiency Analysis for Fractional Mathematical Equation. Fractal and Fractional, 2021, 5, 98.	1.6	7
35	An Extension of Beta Function by Using Wiman's Function. Axioms, 2021, 10, 187.	0.9	8
36	A chaos study of fractional SIR epidemic model of childhood diseases. Results in Physics, 2021, 27, 104422.	2.0	8

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37	Certain Coefficient Estimate Problems for Three-Leaf-Type Starlike Functions. <i>Fractal and Fractional</i> , 2021, 5, 137.	1.6	19
38	Computational algorithm for solving drug pharmacokinetic model under uncertainty with nonsingular kernel type Caputo-Fabrizio fractional derivative. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 4347-4362.	3.4	29
39	Numerical investigation for Caputo-Fabrizio fractional Riccati and Bernoulli equations using iterative reproducing kernel method. <i>Applied Numerical Mathematics</i> , 2021, 170, 418-434.	1.2	47
40	On numerical approximation of Atangana-Baleanu-Caputo fractional integro-differential equations under uncertainty in Hilbert Space. <i>Mathematical Modelling of Natural Phenomena</i> , 2021, 16, 41.	0.9	31
41	Soret-Dufour aspects with activation energy in peristaltic mechanism of third-grade material with variable features. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2749-2760.	2.0	6
42	Solving a Fractional-Order Differential Equation Using Rational Symmetric Contraction Mappings. <i>Fractal and Fractional</i> , 2021, 5, 159.	1.6	24
43	Numerical solvability of generalized Bagley-Torvik fractional models under Caputo-Fabrizio derivative. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	7
44	A study of fractional TB model due to mycobacterium tuberculosis bacteria. <i>Chaos, Solitons and Fractals</i> , 2021, 153, 111452.	2.5	10
45	A new formulation of finite difference and finite volume methods for solving a space fractional convection-diffusion model with fewer error estimates. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	6
46	An Avant-Garde Handling of Temporal-Spatial Fractional Physical Models. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2020, 21, 183-194.	0.4	13
47	Analytic solutions of the generalized water wave dynamical equations based on time-space symmetric differential operator. <i>Journal of Ocean Engineering and Science</i> , 2020, 5, 186-195.	1.7	17
48	Cattaneo-Christov (CC) heat flux model for nanomaterial stagnation point flow of Oldroyd-B fluid. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 187, 105247.	2.6	48
49	Modified analytical approach for generalized quadratic and cubic logistic models with Caputo-Fabrizio fractional derivative. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 5111-5122.	3.4	20
50	Development of spreading symmetric two-waves motion for a family of two-mode nonlinear equations. <i>Heliyon</i> , 2020, 6, e04057.	1.4	14
51	Numerical schemes for studying biomathematics model inherited with memory-time and delay-time. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2969-2974.	3.4	10
52	Susceptible-Infected-Susceptible Epidemic Discrete Dynamic System Based on Tsallis Entropy. <i>Entropy</i> , 2020, 22, 769.	1.1	7
53	On Dynamics of a Fractional-Order Discrete System with Only One Nonlinear Term and without Fixed Points. <i>Electronics (Switzerland)</i> , 2020, 9, 2179.	1.8	9
54	Dynamics analysis of fractional-order Hopfield neural networks. <i>International Journal of Biomathematics</i> , 2020, 13, 2050083.	1.5	42

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55	Cattaneo-Christov heat flux (CC model) in mixed convective stagnation point flow towards a Riga plate. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105564.	2.6	46
56	A Quadratic Fractional Map without Equilibria: Bifurcation, \mathbb{C}^1 Test, Complexity, Entropy, and Control. <i>Electronics (Switzerland)</i> , 2020, 9, 748.	1.8	26
57	Numerical computations of coupled fractional resonant Schrödinger equations arising in quantum mechanics under conformable fractional derivative sense. <i>Physica Scripta</i> , 2020, 95, 075218.	1.2	94
58	A New Attractive Analytic Approach for Solutions of Linear and Nonlinear Neutral Fractional Pantograph Equations. <i>Chaos, Solitons and Fractals</i> , 2020, 138, 109957.	2.5	62
59	Smooth expansion to solve high-order linear conformable fractional PDEs via residual power series method: Applications to physical and engineering equations. <i>Ain Shams Engineering Journal</i> , 2020, 11, 1243-1254.	3.5	30
60	Generalized Briot-Bouquet differential equation by a quantum difference operator in a complex domain. <i>International Journal of Dynamics and Control</i> , 2020, 8, 762-771.	1.5	8
61	Solving space-fractional Cauchy problem by modified finite-difference discretization scheme. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2409-2417.	3.4	10
62	A Numerical Algorithm for the Solutions of ABC Singular Lane-Emden Type Models Arising in Astrophysics Using Reproducing Kernel Discretization Method. <i>Mathematics</i> , 2020, 8, 923.	1.1	74
63	Analytic solutions for a modified fractional three wave interaction equations with conformable derivative by unified method. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3731-3739.	3.4	11
64	THE REPRODUCING KERNEL ALGORITHM FOR NUMERICAL SOLUTION OF VAN DER POL DAMPING MODEL IN VIEW OF THE ATANGANA-BALEANU FRACTIONAL APPROACH. <i>Fractals</i> , 2020, 28, 2040010.	1.8	88
65	Atangana-Baleanu fractional framework of reproducing kernel technique in solving fractional population dynamics system. <i>Chaos, Solitons and Fractals</i> , 2020, 133, 109624.	2.5	76
66	Chaos and control of a three-dimensional fractional order discrete-time system with no equilibrium and its synchronization. <i>AIP Advances</i> , 2020, 10, .	0.6	45
67	Residual Power Series Approach for Solving Linear Fractional Swift-Hohenberg Problems. <i>Lecture Notes in Networks and Systems</i> , 2020, , 33-43.	0.5	2
68	Solving Time-Space-Fractional Cauchy Problem with Constant Coefficients by Finite-Difference Method. <i>Forum for Interdisciplinary Mathematics</i> , 2020, , 25-46.	0.8	10
69	Exact optical solutions for the regularized long-wave Kadomtsev-Petviashvili equation. <i>Physica Scripta</i> , 2020, 95, 105208.	1.2	8
70	Structure of optical soliton solution for nonlinear resonant space-time Schrödinger equation in conformable sense with full nonlinearity term. <i>Physica Scripta</i> , 2020, 95, 105215.	1.2	63
71	PIECEWISE OPTIMAL FRACTIONAL REPRODUCING KERNEL SOLUTION AND CONVERGENCE ANALYSIS FOR THE ATANGANA-BALEANU-CAPUTO MODEL OF THE LIENARD-TSM EQUATION. <i>Fractals</i> , 2020, 28, 2040007.	1.8	90
72	Solvability and stability of a fractional dynamical system of the growth of COVID-19 with approximate solution by fractional Chebyshev polynomials. <i>Advances in Difference Equations</i> , 2020, 2020, 338.	3.5	7

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73	Higher-dimensional physical models with multimemory indices: analytic solution and convergence analysis. <i>Advances in Difference Equations</i> , 2020, 2020, 364.	3.5	2
74	A Class of Linear Non-Homogenous Higher Order Matrix Fractional Differential Equations: Analytical Solutions and New Technique. <i>Fractional Calculus and Applied Analysis</i> , 2020, 23, 356-377.	1.2	28
75	Adaptation of Conformable Residual Power Series Scheme in Solving Nonlinear Fractional Quantum Mechanics Problems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 890.	1.3	17
76	Solutions of Fractional Verhulst Model by Modified Analytical and Numerical Approaches. <i>Forum for Interdisciplinary Mathematics</i> , 2020, , 233-260.	0.8	0
77	Analytical numerical solutions of the fractional multi-pantograph system: Two attractive methods and comparisons. <i>Results in Physics</i> , 2019, 14, 102500.	2.0	34
78	On (2 + 1)-dimensional physical models endowed with decoupled spatial and temporal memory indices. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	12
79	Identification of hysteresis models using real-coded genetic algorithms. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	11
80	Comparing Bibliometric Analysis Using PubMed, Scopus, and Web of Science Databases. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	147
81	Solving Fuzzy Fractional IVPs of order $2\hat{1}^2$ by Residual Power Series Algorithm. , 2019, , .		2
82	Two computational approaches for solving a fractional obstacle system in Hilbert space. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	44
83	Construction of fractional power series solutions to fractional stiff system using residual functions algorithm. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	48
84	Ternary-fractional differential transform schema: theory and application. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	22
85	Series solutions of nonlinear conformable fractional KdV-Burgers equation with some applications. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	45
86	Solitary solutions for time-fractional nonlinear dispersive PDEs in the sense of conformable fractional derivative. <i>Chaos</i> , 2019, 29, 093102.	1.0	74
87	Application of Power Series Method for Solving Obstacle Problem of Fractional Order. , 2019, , .		0
88	An approximate solution method for the fractional version of a singular BVP occurring in the electrohydrodynamic flow in a circular cylindrical conduit. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	7
89	Numerical solutions of nonlinear fractional model arising in the appearance of the strip patterns in two-dimensional systems. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	65
90	Tuning PID and PI $\hat{D}^{\hat{1}}$ controllers using particle swarm optimization algorithm via El-Khazali's approach. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	6

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91	New styles of periodic solutions of the classical six-body problem. <i>Mathematics and Computers in Simulation</i> , 2019, 159, 183-196.	2.4	2
92	Generalizing the meaning of derivatives and integrals of any order differential equations by fuzzy-order derivatives and fuzzy-order integrals. <i>Journal of King Saud University - Science</i> , 2019, 31, 240-245.	1.6	0
93	Soft Numerical Algorithm with Convergence Analysis for Time-Fractional Partial IDEs Constrained by Neumann Conditions. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 107-119.	0.1	1
94	New Fractional Analytical Study of Three-Dimensional Evolution Equation Equipped With Three Memory Indices. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019, 14, .	0.7	11
95	Solution of Fractional SIR Epidemic Model Using Residual Power Series Method. <i>Applied Mathematics and Information Sciences</i> , 2019, 13, 153-161.	0.7	28
96	Computing bifurcations behavior of mixed type singular time-fractional partial integrodifferential equations of Dirichlet functions types in hilbert space with error analysis. <i>Filomat</i> , 2019, 33, 3845-3853.	0.2	6
97	Multistep Approach for Nonlinear Fractional Bloch System Using Adomian Decomposition Techniques. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 153-171.	0.1	0
98	New solitary wave and multiple soliton solutions for fifth order nonlinear evolution equation with time variable coefficients. <i>Results in Physics</i> , 2018, 8, 977-980.	2.0	6
99	New implementation of reproducing kernel Hilbert space method for solving a fuzzy integro-differential equation of integer and fractional orders. <i>Journal of King Saud University - Science</i> , 2018, 30, 352-358.	1.6	4
100	Fractional calculus's adventures in Wonderland (Round table held at ICFDA 2018). <i>Fractional Calculus and Applied Analysis</i> , 2018, 21, 1151-1155.	1.2	1
101	Analytic Solution of Spatial-Temporal Fractional Klein-Gordon Equation Arising in Physical Models. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	2
102	Numerical Solutions of Linear Time-fractional Klein-Gordon Equation by Using Power Series Approach. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	1
103	An approach for approximate solution of fractional-order smoking model with relapse class. <i>International Journal of Biomathematics</i> , 2018, 11, 1850077.	1.5	10
104	Dark and singular optical solutions with dual-mode nonlinear Schrödinger's equation and Kerr-law nonlinearity. <i>Optik</i> , 2018, 172, 822-825.	1.4	55
105	The General Solution of Singular Fractional-Order Linear Time-Invariant Continuous Systems with Regular Pencils. <i>Entropy</i> , 2018, 20, 400.	1.1	18
106	Are university rankings useful to improve research? A systematic review. <i>PLoS ONE</i> , 2018, 13, e0193762.	1.1	87
107	Modeling and Analyzing Neural Networks Using Reproducing Kernel Hilbert Space Algorithm. <i>Applied Mathematics and Information Sciences</i> , 2018, 12, 89-99.	0.7	8
108	Comparing Two Numerical Methods for Approximating a New Giving Up Smoking Model Involving Fractional Order Derivatives. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2017, 41, 569-575.	0.7	8

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109	Numerical Multistep Approach for Solving Fractional Partial Differential Equations. International Journal of Computational Methods, 2017, 14, 1750029.	0.8	94
110	Application of reproducing kernel algorithm for solving second-order, two-point fuzzy boundary value problems. Soft Computing, 2017, 21, 7191-7206.	2.1	263
111	NUMERICAL SOLUTION OF SECOND-ORDER FUZZY DIFFERENTIAL EQUATION OF INTEGER AND FRACTIONAL ORDER USING REPRODUCING KERNEL HILBERT SPACE METHOD TOOLS. Far East Journal of Mathematical Sciences, 2017, 101, 1327-1351.	0.0	1
112	A Novel Iterative Numerical Algorithm for the Solutions of Systems of Fuzzy Initial Value Problems. Applied Mathematics and Information Sciences, 2017, 11, 1059-1074.	0.7	5
113	Second Order Fuzzy Fractional Differential Equations Under Caputo's H-Differentiability. Applied Mathematics and Information Sciences, 2017, 11, 1597-1608.	0.7	9
114	Approximate solutions of fuzzy differential equations of fractional order using modified reproducing kernel Hilbert space method. Journal of Nonlinear Science and Applications, 2017, 10, 2423-2439.	0.4	2
115	Numerical investigations for systems of second-order periodic boundary value problems using reproducing kernel method. Applied Mathematics and Computation, 2016, 291, 137-148.	1.4	71
116	Numerical solutions of fuzzy differential equations using reproducing kernel Hilbert space method. Soft Computing, 2016, 20, 3283-3302.	2.1	292
117	Analytical Approximations of Partial Differential Equations of Fractional Order with Multistep Approach. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7793-7801.	0.4	32
118	Computational Method for Solving Nonlinear Volterra Integro-Differential Equations. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7802-7806.	0.4	1
119	Analytical Simulation of Singular Second-Order, Three Points Boundary Value Problems for Fredholm Operator Using Computational Kernel Algorithm. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7816-7824.	0.4	4
120	A New Approximation Method for Solving Fuzzy Heat Equations. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7825-7832.	0.4	5
121	New Solitary Wave and Multiple Soliton Solutions for the Time-Space Coupled Fractional mKdV System with Time-Dependent Coefficients. Journal of Computational and Theoretical Nanoscience, 2016, 13, 9082-9089.	0.4	6
122	Solution of Inverse Kinematics Problem using Genetic Algorithms. Applied Mathematics and Information Sciences, 2016, 10, 225-233.	0.7	80
123	An Efficient Analytical Method for Solving Singular Initial Value Problems of Nonlinear Systems. Applied Mathematics and Information Sciences, 2016, 10, 647-656.	0.7	43
124	A Residual Power Series Technique for Solving Systems of Initial Value Problems. Applied Mathematics and Information Sciences, 2016, 10, 765-775.	0.7	12
125	An Efficient Computational Method for Handling Singular Second-Order, Three Points Volterra Integrodifferential Equations. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7807-7815.	0.4	3
126	A Novel Numerical Algorithm to Solve Systems of Fuzzy Differential Equations of Fractional and Integer Order Using Reproducing Hilbert Space Method. Journal of Computational and Theoretical Nanoscience, 2016, 13, 8789-8799.	0.4	0

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127	Existence, Uniqueness, and Characterization Theorems for Nonlinear Fuzzy Integrodifferential Equations of Volterra Type. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-13.	0.6	16
128	A novel expansion iterative method for solving linear partial differential equations of fractional order. <i>Applied Mathematics and Computation</i> , 2015, 257, 119-133.	1.4	107
129	Approximate analytical solution of the nonlinear fractional KdV-Burgers equation: A new iterative algorithm. <i>Journal of Computational Physics</i> , 2015, 293, 81-95.	1.9	212
130	Constructing and predicting solitary pattern solutions for nonlinear time-fractional dispersive partial differential equations. <i>Journal of Computational Physics</i> , 2015, 293, 385-399.	1.9	126
131	Iterative Multistep Reproducing Kernel Hilbert Space Method for Solving Strongly Nonlinear Oscillators. <i>Advances in Mathematical Physics</i> , 2014, 2014, 1-7.	0.4	11
132	A Reproducing Kernel Hilbert Space Method for Solving Systems of Fractional Integrodifferential Equations. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-6.	0.3	11
133	Optimization Solution of Troesch's and Bratu's Problems of Ordinary Type Using Novel Continuous Genetic Algorithm. <i>Discrete Dynamics in Nature and Society</i> , 2014, 2014, 1-15.	0.5	126
134	Analytical Study of Fractional-Order Multiple Chaotic FitzHugh-Nagumo Neurons Model Using Multistep Generalized Differential Transform Method. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-10.	0.3	51
135	Multiple Solutions of Nonlinear Boundary Value Problems of Fractional Order: A New Analytic Iterative Technique. <i>Entropy</i> , 2014, 16, 471-493.	1.1	71
136	Comparison of Numerical Methods of the SEIR Epidemic Model of Fractional Order. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014, 69, 81-89.	0.7	7
137	Inhibition or enhancement of chaotic convection via inclined magnetic field. <i>Applied Mathematical Modelling</i> , 2014, 38, 2996-3002.	2.2	5
138	Solving the fractional nonlinear Bloch system using the multi-step generalized differential transform method. <i>Computers and Mathematics With Applications</i> , 2014, 68, 2124-2132.	1.4	10
139	Dynamical analysis of the Irving-Mullineux oscillator equation of fractional order. <i>Signal Processing</i> , 2014, 102, 171-176.	2.1	16
140	ON ONSET OF CHAOTIC CONVECTION IN COUPLE-STRESS FLUIDS. <i>Mathematical Modelling and Analysis</i> , 2014, 19, 359-370.	0.7	5
141	A computational method for solving periodic boundary value problems for integro-differential equations of Fredholm-Volterra type. <i>Applied Mathematics and Computation</i> , 2014, 240, 229-239.	1.4	41
142	Control and switching synchronization of fractional order chaotic systems using active control technique. <i>Journal of Advanced Research</i> , 2014, 5, 125-132.	4.4	103
143	The multistage homotopy analysis method: application to a biochemical reaction model of fractional order. <i>International Journal of Computer Mathematics</i> , 2014, 91, 1030-1040.	1.0	1
144	Application of Continuous Genetic Algorithm for Nonlinear System of Second-Order Boundary Value Problems. <i>Applied Mathematics and Information Sciences</i> , 2014, 8, 235-248.	0.7	26

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145	An Optimization Algorithm for Solving Systems of Singular Boundary Value Problems. Applied Mathematics and Information Sciences, 2014, 8, 2809-2821.	0.7	88
146	A Reproducing Kernel Hilbert Space Method for Solving Integro-Differential Equations of Fractional Order. Journal of Optimization Theory and Applications, 2013, 156, 96-105.	0.8	23
147	Square-root dynamics of a giving up smoking model. Applied Mathematical Modelling, 2013, 37, 5326-5334.	2.2	59
148	Solving fractional two-point boundary value problems using continuous analytic method. Ain Shams Engineering Journal, 2013, 4, 539-547.	3.5	26
149	A Computational Method for Two-Point Boundary Value Problems of Fourth-Order Mixed Integrodifferential Equations. Mathematical Problems in Engineering, 2013, 2013, 1-10.	0.6	63
150	New Results on Fractional Power Series: Theories and Applications. Entropy, 2013, 15, 5305-5323.	1.1	161
151	Analytical Solutions of Fuzzy Initial Value Problems by HAM. Applied Mathematics and Information Sciences, 2013, 7, 1903-1919.	0.7	36
152	Fractional Differential Equations 2012. International Journal of Differential Equations, 2013, 2013, 1-2.	0.3	12
153	A Reliable Analytical Method for Solving Higher-Order Initial Value Problems. Discrete Dynamics in Nature and Society, 2013, 2013, 1-12.	0.5	58
154	Parametric Control on Fractional-Order Response for $L^{\frac{1}{4}}$ Chaotic System. Journal of Physics: Conference Series, 2013, 423, 012024.	0.3	0
155	A Genetic Algorithm Approach for Prediction of Linear Dynamical Systems. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	1,476
156	Solving Singular Two-Point Boundary Value Problems Using Continuous Genetic Algorithm. Abstract and Applied Analysis, 2012, 2012, 1-25.	0.3	75
157	Application of Reproducing Kernel Method for Solving Nonlinear Fredholm-Volterra Integrodifferential Equations. Abstract and Applied Analysis, 2012, 2012, 1-16.	0.3	49
158	Nonlinear Problems: Analytical and Computational Approach with Applications. Abstract and Applied Analysis, 2012, 2012, 1-2.	0.3	0
159	Adaptation of Differential Transform Method for the Numeric-Analytic Solution of Fractional-Order Rössler Chaotic and Hyperchaotic Systems. Abstract and Applied Analysis, 2012, 2012, 1-13.	0.3	11
160	Application of Multistage Homotopy Perturbation Method to the Chaotic Genesio System. Abstract and Applied Analysis, 2012, 2012, 1-10.	0.3	9
161	Homotopy Analysis Method for Second-Order Boundary Value Problems of Integrodifferential Equations. Discrete Dynamics in Nature and Society, 2012, 2012, 1-18.	0.5	29
162	Solving Linear and Nonlinear Fractional Differential Equations Using Spline Functions. Abstract and Applied Analysis, 2012, 2012, 1-9.	0.3	8

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