

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32 papers	382 citations	15 h-index	18 g-index
39 ext. papers	664 ext. citations	2.8 avg, IF	4.98 L-index

#	Paper	IF	Citations
32	Approximate solution for solving nonlinear fractional order smoking model. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 739-752	6.1	38
31	Numerical Study for the Fractional Differential Equations Generated by Optimization Problem Using Chebyshev Collocation Method and FDM. <i>Applied Mathematics and Information Sciences</i> , <b>2013</b> , 7, 2011-2018	2.4	35
30	Numerical studies for solving fractional integro-differential equations. <i>Journal of Ocean Engineering and Science</i> , <b>2018</b> , 3, 127-132	4.4	27
29	Numerical Simulation for the Fractional SIRC Model and Influenza A. <i>Applied Mathematics and Information Sciences</i> , <b>2014</b> , 8, 1029-1036	2.4	20
28	Optimal control and bifurcation diagram for a model nonlinear fractional SIRC. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 3481-3501	6.1	20
27	Thermal-piezoelectric problem of a semiconductor medium during photo-thermal excitation. <i>Waves in Random and Complex Media</i> , <b>2020</b> , 1-15	1.9	19
26	Electromagnetic Hall current effect and fractional heat order for microtemperature photo-excited semiconductor medium with laser pulses. <i>Results in Physics</i> , <b>2020</b> , 17, 103161	3.7	18
25	Numerical Different Methods for Solving the Nonlinear Biochemical Reaction Model. <i>International Journal of Applied and Computational Mathematics</i> , <b>2019</b> , 5, 1	1.3	17
24	Dynamical Characteristics and Signal Flow Graph of Nonlinear Fractional Smoking Mathematical Model. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 141, 110308	9.3	17
23	Analytical solutions of time-fractional heat order for a magneto-photothermal semiconductor medium with Thomson effects and initial stress. <i>Results in Physics</i> , <b>2020</b> , 18, 103174	3.7	17
22	Numerical solutions for solving model time-fractional Fokker-Planck equation. <i>Numerical Methods for Partial Differential Equations</i> , <b>2021</b> , 37, 1120-1135	2.5	17
21	Implementation of the Homotopy Perturbation Sumudu Transform Method for Solving Klein-Gordon Equation. <i>Applied Mathematics</i> , <b>2015</b> , 06, 617-628	0.4	16
20	Two computational algorithms for the numerical solution for system of fractional differential equations. <i>Arab Journal of Mathematical Sciences</i> , <b>2015</b> , 21, 39-52	0.5	15
19	Reduced Differential Transform Method for Solving Nonlinear Biomathematics Models. <i>Computers, Materials and Continua</i> , <b>2019</b> , 61, 979-994	3.9	15
18	Variable thermal conductivity and hyperbolic two-temperature theory during magneto-photothermal theory of semiconductor induced by laser pulses. <i>European Physical Journal Plus</i> , <b>2021</b> , 136, 1	3.1	15
17	Numerical solution technique for solving isoperimetric variational problems. <i>International Journal of Modern Physics C</i> , <b>2021</b> , 32, 2150002	1.1	14
16	Effect of rotation and magnetic field on a numerical-refined heat conduction in a semiconductor medium during photo-excitation processes. <i>European Physical Journal Plus</i> , <b>2021</b> , 136, 1	3.1	9

15	Dynamical Behaviors of Nonlinear Coronavirus (COVID 9) Model with Numerical Studies. <i>Computers, Materials and Continua</i> , <b>2021</b> , 67, 675-686	3.9	8
14	General fractional financial models of awareness with Caputo derivative. <i>Advances in Mechanical Engineering</i> , <b>2020</b> , 12, 168781402097552	1.2	7
13	Numerical solution and dynamical behaviors for solving fractional nonlinear Rubella ailment disease model. <i>Results in Physics</i> , <b>2021</b> , 24, 104091	3.7	5
12	Optimal and Memristor-Based Control of A Nonlinear Fractional Tumor-Immune Model. <i>Computers, Materials and Continua</i> , <b>2021</b> , 67, 3463-3486	3.9	5
11	Use of optimal control in studying the dynamical behaviors of fractional financial awareness models. <i>Soft Computing</i> , <b>2022</b> , 26, 3401	3.5	4
10	Second Kind Shifted Chebyshev Polynomials for Solving the Model Nonlinear ODEs. <i>American Journal of Computational Mathematics</i> , <b>2017</b> , 07, 391-401	0.8	4
9	Absorption illumination of a 2D rotator semi-infinite thermoelastic medium using a modified Green and Lindsay model. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101165	5.6	4
8	Variational homotopy perturbation method for solving the generalized time-space fractional Schrödinger equation. <i>International Journal of Physical Sciences</i> , <b>2015</b> , 10, 342-350	0.3	3
7	Optimal Control and Spectral Collocation Method for Solving Smoking Models. <i>Intelligent Automation and Soft Computing</i> , <b>2022</b> , 31, 899-915	2.6	3
6	Numerical, Approximate Solutions, and Optimal Control on the Deathly Lassa Hemorrhagic Fever Disease in Pregnant Women. <i>Journal of Function Spaces</i> , <b>2021</b> , 2021, 1-15	0.8	2
5	Algebraic computational methods for solving three nonlinear vital models fractional in mathematical physics. <i>Open Physics</i> , <b>2021</b> , 19, 152-169	1.3	1
4	Thermo-optical-mechanical excited waves of functionally graded semiconductor material with hyperbolic two-temperature. <i>European Physical Journal Plus</i> , <b>2022</b> , 137, 1	3.1	0
3	Influence of variable thermal conductivity on wave propagation for a ramp-type heating semiconductor magneto-rotator hydrostatic stresses medium during photo-excited microtemperature processes. <i>Waves in Random and Complex Media</i> , 1-23	1.9	0
2	Photo-thermal-elastic waves of excitation microstretch semiconductor medium under the impact of rotation and initial stress. <i>Optical and Quantum Electronics</i> , <b>2022</b> , 54, 1	2.4	0
1	Thermal conductivity changes of photo-elastic semiconductor excited in gravitational field with hydrostatic initial stress and internal heat source. <i>Waves in Random and Complex Media</i> , 1-20	1.9	