

E Ahmed

List of Publications by Year in descending order

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35
papers

1,753
citations

687363

13
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

1136
citing authors

#	ARTICLE	IF	CITATIONS
1	Equilibrium points, stability and numerical solutions of fractional-order predator-prey and rabies models. <i>Journal of Mathematical Analysis and Applications</i> , 2007, 325, 542-553.	1.0	530
2	On some Routh-Hurwitz conditions for fractional order differential equations and their applications in Lorenz, Rössler, Chua and Chen systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 358, 1-4.	2.1	355
3	On fractional order differential equations model for nonlocal epidemics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 379, 607-614.	2.6	300
4	Fractional-order delayed predator-prey systems with Holling type-II functional response. <i>Nonlinear Dynamics</i> , 2015, 80, 777-789.	5.2	131
5	Dynamical behavior of fractional-order Hastings-Powell food chain model and its discretization. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 27, 153-167.	3.3	87
6	On stability, persistence, and Hopf bifurcation in fractional order dynamical systems. <i>Nonlinear Dynamics</i> , 2009, 56, 121-126.	5.2	66
7	On fractional order models for Hepatitis C. <i>Nonlinear Biomedical Physics</i> , 2010, 4, 1.	1.5	57
8	On a fractional model for earthquakes. <i>Applied Mathematics and Computation</i> , 2006, 178, 207-211.	2.2	48
9	NUMERICAL SOLUTION FOR THE FRACTIONAL REPLICATOR EQUATION. <i>International Journal of Modern Physics C</i> , 2005, 16, 1017-1025.	1.7	33
10	On modelling the immune system as a complex system. <i>Theory in Biosciences</i> , 2006, 124, 413-418.	1.4	26
11	On Modeling Hepatitis B Transmission Using Cellular Automata. <i>Journal of Statistical Physics</i> , 1998, 92, 707-712.	1.2	25
12	Effect of NA-light radiation on the optical gap and crystal structure of AgNO ₃ -diffused PVDF sensor. <i>Journal of Applied Polymer Science</i> , 1998, 70, 1759-1767.	2.6	15
13	Fuzzy cellular automata models in immunology. <i>Journal of Statistical Physics</i> , 1996, 85, 291-294.	1.2	14
14	ON MULTIOBJECTIVE EVOLUTION MODEL. <i>International Journal of Modern Physics C</i> , 2004, 15, 1189-1195.	1.7	13
15	On Controlling Chaos in Cournot-Games with Two and Three Competitors. <i>Nonlinear Dynamics, Psychology, and Life Sciences</i> , 2000, 4, 189-194.	0.2	10
16	Dynamic Properties of the Fractional-Order Logistic Equation of Complex Variables. <i>Abstract and Applied Analysis</i> , 2012, 2012, 1-12.	0.7	8
17	A simple mathematical model for relapsing-remitting multiple sclerosis (RRMS). <i>Medical Hypotheses</i> , 2020, 135, 109478.	1.5	7
18	Knotted periodic orbits in Rössler's equations. <i>Journal of Mathematical Physics</i> , 1995, 36, 773-777.	1.1	6

#	ARTICLE	IF	CITATIONS
19	A mathematical model for Creutzfeldt Jacob Disease (CJD). Chaos, Solitons and Fractals, 2018, 116, 249-260.	5.1	5
20	On generalization of the Sinai theorem in the random site problem. Journal of Mathematical Physics, 1990, 31, 37-38.	1.1	3
21	Delayed self-organized criticality and earthquake modeling. International Journal of Theoretical Physics, 1997, 36, 3065-3069.	1.2	3
22	Percolation on general trees and HIV modeling. International Journal of Theoretical Physics, 1996, 35, 2483-2488.	1.2	2
23	A Discrete Fractional-Order Prion Model Motivated by Parkinson's Disease. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	2
24	Fractional-Order Model for Multi-Drug Antimicrobial Resistance. CMES - Computer Modeling in Engineering and Sciences, 2020, 124, 665-682.	1.1	2
25	Multiphase percolation and Josephson model for high-temperature superconductivity. International Journal of Theoretical Physics, 1992, 31, 995-1001.	1.2	1
26	COMMENTS ON SOME EXTINCTION MODELS. International Journal of Modern Physics C, 2000, 11, 615-618.	1.7	1
27	On multi-strain model for Hepatitis C. Nonlinear Biomedical Physics, 2011, 5, 6.	1.5	1
28	On the quaternion projective space. Journal of Taibah University for Science, 2020, 14, 1538-1543.	2.5	1
29	Cell Resistance and Antimicrobial Resistance with Waning Vaccination. Biophysical Reviews and Letters, 2021, 16, 41-54.	0.8	1
30	Two-dimensional percolation and classical string theory. International Journal of Theoretical Physics, 1988, 27, 1457-1460.	1.2	0
31	Anyonic variables and the quantum hyperplane. International Journal of Theoretical Physics, 1995, 34, 977-980.	1.2	0
32	Avalanche Dynamics in Piles of Two Types of Sand. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 928-930.	1.5	0
33	ON A COMBINED SHORT-RANGE AND LONG-RANGE INTERACTING EARTHQUAKE MODEL. International Journal of Modern Physics C, 2000, 11, 913-919.	1.7	0
34	On stability and persistence of some oligopoly models. Nonlinear Dynamics, Psychology, and Life Sciences, 2003, 7, 27-33.	0.2	0
35	The Behavior of Quantum Particles at Very Low Scale. International Journal of Theoretical Physics, 2020, 59, 3888-3896.	1.2	0