

Ahmed Elgazzar

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

570
citations

1039880

9
h-index

610775

24
g-index

32
all docs

32
docs citations

32
times ranked

462
citing authors

#	ARTICLE	IF	CITATIONS
1	On fractional order differential equations model for nonlocal epidemics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 379, 607-614.	1.2	300
2	APPLICATION OF THE SZNAJD SOCIOPHYSICS MODEL TO SMALL-WORLD NETWORKS. <i>International Journal of Modern Physics C</i> , 2001, 12, 1537-1544.	0.8	39
3	On some applications of cellular automata. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 296, 529-538.	1.2	23
4	On complex adaptive systems and terrorism. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 337, 127-129.	0.9	22
5	AN EPIDEMIC MODEL ON SMALL-WORLD NETWORKS AND RING VACCINATION. <i>International Journal of Modern Physics C</i> , 2002, 13, 189-198.	0.8	21
6	Applications of small-world networks to some socio-economic systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 324, 402-407.	1.2	21
7	SATOâ€™CRUTCHFIELD FORMULATION FOR SOME EVOLUTIONARY GAMES. <i>International Journal of Modern Physics C</i> , 2003, 14, 963-971.	0.8	16
8	On coordination and continuous hawk-dove games on small-world networks. <i>European Physical Journal B</i> , 2000, 18, 159-162.	0.6	12
9	PHASE TRANSITIONS IN SOME EPIDEMIC MODELS DEFINED ON SMALL-WORLD NETWORKS. <i>International Journal of Modern Physics C</i> , 2003, 14, 825-833.	0.8	12
10	Quantum prisonerâ€™s dilemma in a restricted one-parameter strategic space. <i>Applied Mathematics and Computation</i> , 2020, 370, 124927.	1.4	11
11	On some variants of prisoner's dilemma dynamics. <i>Applied Mathematics and Computation</i> , 2005, 163, 163-168.	1.4	10
12	Coopetition in quantum prisonerâ€™s dilemma and COVID-19. <i>Quantum Information Processing</i> , 2021, 20, 102.	1.0	10
13	ON SPATIAL ASYMMETRIC GAMES. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2002, 05, 433-443.	0.9	9
14	An inhomogeneous self-organized critical model for earthquakes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 251, 303-308.	1.2	8
15	ON LOCAL PRISONER'S DILEMMA GAME WITH PARETO UPDATING RULE. <i>International Journal of Modern Physics C</i> , 2000, 11, 1539-1544.	0.8	7
16	NONLOCAL SYNCHRONIZATION IN NEAREST NEIGHBOR COUPLED OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002, 12, 2945-2955.	0.7	7
17	Unique Solution to the Quantum Prisonerâ€™s Dilemma Game. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 034801.	0.7	7
18	A model for the evolution of economic systems in social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 303, 543-551.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Quantum Symmetric Cooperative Game with a Harmonious Coalition. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 73, 69-73.	0.7	6
20	Simple mathematical models for controlling COVID-19 transmission through social distancing and community awareness. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2021, 76, 393-400.	0.6	6
21	On Difference Equations Motivated by Modelling the Heart. Nonlinear Dynamics, 2006, 46, 49-60.	2.7	5
22	ON PERSISTENCE AND STABILITY OF SOME BIOLOGICAL SYSTEMS WITH CROSS DIFFUSION. International Journal of Modeling, Simulation, and Scientific Computing, 2004, 07, 65-76.	0.9	4
23	Delayed self-organized criticality and earthquake modeling. International Journal of Theoretical Physics, 1997, 36, 3065-3069.	0.5	3
24	Some mathematical results for cellular automata. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 354-362.	1.2	2
25	Quantum Prisoner's Dilemma in Asymmetric Strategy Spaces. International Journal of Theoretical Physics, 2021, 60, 3467-3477.	0.5	2
26	Modeling the avian flu, lessons form complex adaptive systems in biology. Applied Mathematics and Computation, 2008, 195, 351-354.	1.4	1
27	Avalanche Dynamics in Piles of Two Types of Sand. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 928-930.	0.7	0
28	ON THE DYNAMICS OF LOCAL HAWK-DOVE GAME. International Journal of Modern Physics C, 2000, 11, 607-614.	0.8	0
29	ON A COMBINED SHORT-RANGE AND LONG-RANGE INTERACTING EARTHQUAKE MODEL. International Journal of Modern Physics C, 2000, 11, 913-919.	0.8	0
30	On synchronization, persistence and seasonality in some spatially inhomogeneous models in epidemics and ecology. Physica A: Statistical Mechanics and Its Applications, 2003, 322, 155-168.	1.2	0
31	On Differences between Fractional and Integer Order Differential Equations for Dynamical Games. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2008, 63, 152-154.	0.7	0