Ahmed Elgazzar

List of Publications by Year
in descending order

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	Coopetition in quantum prisoner's dilemma and COVID-19. Quantum Information Processing, 2021, 20, 102.	1.0	10
2	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
3	Quantum Prisoner's Dilemma in Asymmetric Strategy Spaces. International Journal of Theoretical Physics, 2021, 60, 3467-3477.	0.5	2
4	Quantum prisoner's dilemma in a restricted one-parameter strategic space. Applied Mathematics and Computation, 2020, 370, 124927.	1.4	11
5	Unique Solution to the Quantum Prisoner's Dilemma Game. Journal of the Physical Society of Japan, 2019, 88, 034801.	0.7	7
6	Quantum Symmetric Cooperative Game with a Harmonious Coalition. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 73, 69-73.	0.7	6
7	Modeling the avian flu, lessons form complex adaptive systems in biology. Applied Mathematics and Computation, 2008, 195, 351-354.	1.4	1
8	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
9	On fractional order differential equations model for nonlocal epidemics. Physica A: Statistical Mechanics and Its Applications, 2007, 379, 607-614.	1.2	300
10	Some mathematical results for cellular automata. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 354-362.	1.2	2
11	On Difference Equations Motivated by Modelling the Heart. Nonlinear Dynamics, 2006, 46, 49-60.	2.7	5
12	On complex adaptive systems and terrorism. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 337, 127-129.	0.9	22
13	On some variants of prisoner's dilemma dynamics. Applied Mathematics and Computation, 2005, 163, 163-168.	1.4	10
14	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
15	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
16	Applications of small-world networks to some socio-economic systems. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 402-407.	1.2	21
17	PHASE TRANSITIONS IN SOME EPIDEMIC MODELS DEFINED ON SMALL-WORLD NETWORKS. International Journal of Modern Physics C, 2003, 14, 825-833.	0.8	12
18	SATO–CRUTCHFIELD FORMULATION FOR SOME EVOLUTIONARY GAMES. International Journal of Modern Physics C, 2003, 14, 963-971.	0.8	16

#	Article	IF	Citations
19	NONLOCAL SYNCHRONIZATION IN NEAREST NEIGHBOR COUPLED OSCILLATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 2945-2955.	0.7	7
20	ON SPATIAL ASYMMETRIC GAMES. International Journal of Modeling, Simulation, and Scientific Computing, 2002, 05, 433-443.	0.9	9
21	AN EPIDEMIC MODEL ON SMALL-WORLD NETWORKS AND RING VACCINATION. International Journal of Modern Physics C, 2002, 13, 189-198.	0.8	21
22	A model for the evolution of economic systems in social networks. Physica A: Statistical Mechanics and Its Applications, 2002, 303, 543-551.	1.2	6
23	APPLICATION OF THE SZNAJD SOCIOPHYSICS MODEL TO SMALL-WORLD NETWORKS. International Journal of Modern Physics C, 2001, 12, 1537-1544.	0.8	39
24	On some applications of cellular automata. Physica A: Statistical Mechanics and Its Applications, 2001, 296, 529-538.	1.2	23
25	On coordination and continuous hawk-dove games on small-world networks. European Physical Journal B, 2000, 18, 159-162.	0.6	12
26	ON THE DYNAMICS OF LOCAL HAWK-DOVE GAME. International Journal of Modern Physics C, 2000, 11, 607-614.	0.8	0
27	ON A COMBINED SHORT-RANGE AND LONG-RANGE INTERACTING EARTHQUAKE MODEL. International Journal of Modern Physics C, 2000, 11, 913-919.	0.8	0
28	ON LOCAL PRISONER'S DILEMMA GAME WITH PARETO UPDATING RULE. International Journal of Modern Physics C, 2000, 11, 1539-1544.	0.8	7
29	An inhomogeneous self-organized critical model for earthquakes. Physica A: Statistical Mechanics and Its Applications, 1998, 251, 303-308.	1.2	8
30	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
31	Delayed self-organized criticality and earthquake modeling. International Journal of Theoretical Physics, 1997, 36, 3065-3069.	0.5	3