AmÃ©rico T Bernardes

List of Publications by Year
in descending order

42 papers	**650** citations	686830 **13** h-index	610482 **24** g-index
43 all docs	**43** docs citations	**43** times ranked	**433** citing authors

#	Article	IF	Citations
1	Cross-over, thresholds, and interactions between science and technology: lessons for less-developed countries. Research Policy, 2003, 32, 865-885.	3.3	133
2	Monte Carlo simulation of a lattice model for micelle formation. Journal of Chemical Physics, 1994, 101, 645-650.	1.2	66
3	DAMAGE SPREADING, COARSENING DYNAMICS AND DISTRIBUTION OF POLITICAL VOTES IN SZNAJD MODEL ON SQUARE LATTICE. International Journal of Modern Physics C, 2001, 12, 159-167.	0.8	63
4	Computer Simulations of Spontaneous Vesicle Formation. Langmuir, 1996, 12, 5763-5767.	1.6	46
5	Immune Network at the Edge of Chaos. Journal of Theoretical Biology, 1997, 186, 173-187.	0.8	42
6	Matrices of science and technology interactions and patterns of structured growth: implications for development. Scientometrics, 2010, 83, 55-75.	1.6	30
7	A methodology for unveiling global innovation networks: patent citations as clues to cross border knowledge flows. Scientometrics, 2014, 101, 61-83.	1.6	26
8	Monte Carlo Simulation of Vesicle Self-Organisation. Journal De Physique II, 1996, 6, 169-174.	0.9	21
9	Immunization and Aging: A Learning Process in the Immune Network. Physical Review Letters, 1998, 81, 3034-3037.	2.9	21
10	A comparison of Li+ transport in dimethoxyethane, poly(ethylene oxide) and poly(tetramethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	18
11	Mutational Meltdown in Large Sexual Populations. Journal De Physique, I, 1995, 5, 1501-1515.	1.2	17
12	Can males contribute to the genetic improvement of a species?. Journal of Statistical Physics, 1997, 86, 431-439.	0.5	16
13	The stable-chaotic transition on cellular automata used to model the immune repertoire. Physica A: Statistical Mechanics and Its Applications, 1995, 219, 1-12.	1.2	15
14	Siblings of centenarians live longer: a computer simulation. Lancet, The, 1998, 352, 911.	6.3	11
15	Os primeiros 80 dias da pandemia da COVID-19 em Belo Horizonte: da contenÃ§Ã£o Ã flexibilizaÃ§Ã£o. Nova Economia, 2020, 30, 701-737.	0.1	11
16	MONTE CARLO SIMULATION OF AGEING: BEYOND BIT-STRING MODELS. International Journal of Modern Physics C, 1996, 06, 789-806.	0.8	9
17	Theoretical study of solvent and temperature effects on the behaviour of poly(ethylene oxide) (PEO). Chemical Physics Letters, 1999, 307, 95-101.	1.2	9
18	ON THE DYNAMICS OF A MULTI-CONNECTED NETWORK. International Journal of Modern Physics C, 2001, 12, 1-11.	0.8	7

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19	Dynamic stability in random and scale-free B-lymphocyte networks. Physical Review E, 2007, 75, 031911.	0.8	7
20	Numerical simulation of solute trapping phenomena using phase-field solidification model for dilute binary alloys. Materials Research, 2009, 12, 345-351.	0.6	7
21	Monte Carlo simulation of inherited longevity. Physica A: Statistical Mechanics and Its Applications, 1999, 262, 242-248.	1.2	6
22	Simulating inbreeding depression through the mutation accumulation theory. Physica A: Statistical Mechanics and Its Applications, 2000, 278, 563-570.	1.2	6
23	NATIONAL SYSTEMS OF INNOVATION AND TECHNOLOGICAL DIFFERENTIATION: A MULTI-COUNTRY MODEL. International Journal of Modern Physics C, 2006, 17, 247-257.	0.8	6
24	Analysis of chaotic behaviour in the population dynamics. Physica A: Statistical Mechanics and Its Applications, 2001, 301, 63-70.	1.2	5
25	Scale-free fuse network and its robustness. Physical Review E, 2005, 72, 046709.	0.8	5
26	The diffusion of technological knowledge through interlaced networks. Computer Physics Communications, 2011, 182, 1875-1878.	3.0	5
27	Redes de empresas e seus efeitos sobre o turismo. RAE Revista De Administracao De Empresas, 2012, 52, 386-406.	0.1	5
28	Survival-extinction phase transition in a bit-string population with mutation. Physical Review E, 2003, 67, 031915.	0.8	4
29	Modelling the role of national system of innovation in economical differentiation. AIP Conference Proceedings, 2005, , .	0.3	4
30	Modeling economic growth fuelled by science and technology. Estudos Economicos, 2010, 40, 319-340.	0.1	4
31	Ripples and grains segregation on unpaved road. International Journal of Modern Physics C, 2018, 29, 1850120.	0.8	4
32	Successive Pandemic Waves with Different Virulent Strains and the Effects of Vaccination for SARS-CoV-2. Vaccines, 2022, 10, 343.	2.1	4
33	The effect of adding boron in solidification microstructure of dilute iron-carbon alloy as assessed by phase-field modeling. Materials Research, 2011, 14, 195-205.	0.6	3
34	Information, opinion and pandemic. Physica A: Statistical Mechanics and Its Applications, 2021, 565, 125586.	1.2	3
35	Simulation of the mineral breakage using a fractal approach. Revista Escola De Minas, 2012, 65, 285-288.	0.1	3
36	Gastrulation as a self-organized symmetry breaking process. Physica A: Statistical Mechanics and Its Applications, 2005, 352, 535-546.	1.2	2

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37	Global analysis of the immune response. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6137-6150.	1.2	2
38	A SIMPLE MODEL WITH STRONG ASYMMETRIC COUPLINGS. International Journal of Modern Physics C, 1993, 04, 765-774.	0.8	1
39	CONFORMATION OF AMPHIPHILIC MOLECULES GRAFTED OR ADSORBED ON A SOLID SUBSTRATE: MONTE CARLO SIMULATION. International Journal of Modern Physics C, 1996, 07, 73-88.	0.8	1
40	Influence of the Tail Length in the Aggregation of Surfactants. International Journal of Modern Physics C, 1998, 09, 737-744.	0.8	1
41	Mechanical Property Assessment of Interlocking Plastic Pavers Manufactured from Electronic Industry Waste in Brazil. Recycling, 2021, 6, 15.	2.3	1
42	Análise numérica bidimensional da morfologia dendrítica do níquel e do ferro utilizando o método de campo de fase. Revista Escola De Minas, 2009, 62, 199-204.	0.1	0