

# Amã©rico T Bernardes

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Successive Pandemic Waves with Different Virulent Strains and the Effects of Vaccination for SARS-CoV-2. <i>Vaccines</i> , 2022, 10, 343.	2.1	4
2	Information, opinion and pandemic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 565, 125586.	1.2	3
3	Mechanical Property Assessment of Interlocking Plastic Pavers Manufactured from Electronic Industry Waste in Brazil. <i>Recycling</i> , 2021, 6, 15.	2.3	1
4	Os primeiros 80 dias da pandemia da COVID-19 em Belo Horizonte: da contenção à flexibilização. <i>Nova Economia</i> , 2020, 30, 701-737.	0.1	11
5	Ripples and grains segregation on unpaved road. <i>International Journal of Modern Physics C</i> , 2018, 29, 1850120.	0.8	4
6	A methodology for unveiling global innovation networks: patent citations as clues to cross border knowledge flows. <i>Scientometrics</i> , 2014, 101, 61-83.	1.6	26
7	Redes de empresas e seus efeitos sobre o turismo. <i>RAE Revista De Administracao De Empresas</i> , 2012, 52, 386-406.	0.1	5
8	Simulation of the mineral breakage using a fractal approach. <i>Revista Escola De Minas</i> , 2012, 65, 285-288.	0.1	3
9	The effect of adding boron in solidification microstructure of dilute iron-carbon alloy as assessed by phase-field modeling. <i>Materials Research</i> , 2011, 14, 195-205.	0.6	3
10	The diffusion of technological knowledge through interlaced networks. <i>Computer Physics Communications</i> , 2011, 182, 1875-1878.	3.0	5
11	Matrices of science and technology interactions and patterns of structured growth: implications for development. <i>Scientometrics</i> , 2010, 83, 55-75.	1.6	30
12	Modeling economic growth fuelled by science and technology. <i>Estudos Economicos</i> , 2010, 40, 319-340.	0.1	4
13	Numerical simulation of solute trapping phenomena using phase-field solidification model for dilute binary alloys. <i>Materials Research</i> , 2009, 12, 345-351.	0.6	7
14	Análise numérica bidimensional da morfologia dendrítica do niquel e do ferro utilizando o método de campo de fase. <i>Revista Escola De Minas</i> , 2009, 62, 199-204.	0.1	0
15	Global analysis of the immune response. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 6137-6150.	1.2	2
16	Dynamic stability in random and scale-free B-lymphocyte networks. <i>Physical Review E</i> , 2007, 75, 031911.	0.8	7
17	NATIONAL SYSTEMS OF INNOVATION AND TECHNOLOGICAL DIFFERENTIATION: A MULTI-COUNTRY MODEL. <i>International Journal of Modern Physics C</i> , 2006, 17, 247-257.	0.8	6
18	Gastrulation as a self-organized symmetry breaking process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 352, 535-546.	1.2	2

#	ARTICLE	IF	CITATIONS
19	Modelling the role of national system of innovation in economical differentiation. AIP Conference Proceedings, 2005, , .	0.3	4
20	Scale-free fuse network and its robustness. Physical Review E, 2005, 72, 046709.	0.8	5
21	Cross-over, thresholds, and interactions between science and technology: lessons for less-developed countries. Research Policy, 2003, 32, 865-885.	3.3	133
22	Survival-extinction phase transition in a bit-string population with mutation. Physical Review E, 2003, 67, 031915.	0.8	4
23	A comparison of Li+ transport in dimethoxyethane, poly(ethylene oxide) and poly(tetramethylene) Tj ETQq1 1 0.784314 rgBT (Overlook	1.3	18
24	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
25	Analysis of chaotic behaviour in the population dynamics. Physica A: Statistical Mechanics and Its Applications, 2001, 301, 63-70.	1.2	5
26	ON THE DYNAMICS OF A MULTI-CONNECTED NETWORK. International Journal of Modern Physics C, 2001, 12, 1-11.	0.8	7
27	Simulating inbreeding depression through the mutation accumulation theory. Physica A: Statistical Mechanics and Its Applications, 2000, 278, 563-570.	1.2	6
28	Monte Carlo simulation of inherited longevity. Physica A: Statistical Mechanics and Its Applications, 1999, 262, 242-248.	1.2	6
29	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
30	Siblings of centenarians live longer: a computer simulation. Lancet, The, 1998, 352, 911.	6.3	11
31	Immunization and Aging: A Learning Process in the Immune Network. Physical Review Letters, 1998, 81, 3034-3037.	2.9	21
32	Influence of the Tail Length in the Aggregation of Surfactants. International Journal of Modern Physics C, 1998, 09, 737-744.	0.8	1
33	Can males contribute to the genetic improvement of a species?. Journal of Statistical Physics, 1997, 86, 431-439.	0.5	16
34	Immune Network at the Edge of Chaos. Journal of Theoretical Biology, 1997, 186, 173-187.	0.8	42
35	Computer Simulations of Spontaneous Vesicle Formation. Langmuir, 1996, 12, 5763-5767.	1.6	46
36	Monte Carlo Simulation of Vesicle Self-Organisation. Journal De Physique II, 1996, 6, 169-174.	0.9	21

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37	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
38	MONTE CARLO SIMULATION OF AGEING: BEYOND BIT-STRING MODELS. International Journal of Modern Physics C, 1996, 06, 789-806.	0.8	9
39	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
40	Mutational Meltdown in Large Sexual Populations. Journal De Physique, I, 1995, 5, 1501-1515.	1.2	17
41	Monte Carlo simulation of a lattice model for micelle formation. Journal of Chemical Physics, 1994, 101, 645-650.	1.2	66
42	A SIMPLE MODEL WITH STRONG ASYMMETRIC COUPLINGS. International Journal of Modern Physics C, 1993, 04, 765-774.	0.8	1