

Marco Patriarca

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,765
citations

304602

22
h-index

276775

41
g-index

70
all docs

70
docs citations

70
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of invasion on natural selection in dispersal-structured populations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 127389.	1.2	1
2	Hubs, diversity, and synchronization in FitzHugh-Nagumo oscillator networks: Resonance effects and biophysical implications. <i>Physical Review E</i> , 2021, 103, 052211.	0.8	19
3	The role of bilinguals in the Bayesian naming game. <i>Physica D: Nonlinear Phenomena</i> , 2021, 428, 133062.	1.3	1
4	A bird's-eye view of naming game dynamics: From trait competition to Bayesian inference. <i>Chaos</i> , 2020, 30, 063119.	1.0	6
5	The dynamics of natural selection in dispersal-structured populations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 547, 124427.	1.2	2
6	A Bayesian Approach to the Naming Game Model. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	5
7	Network Resilience and Assessment of the Credit Granting Policy. <i>International Journal of Business and Applied Social Science</i> , 2020, 11, .	0.2	0
8	The role of dispersal in competition success and in the emerging diversity. <i>European Physical Journal B</i> , 2018, 91, 1.	0.6	2
9	The Microscopic Origin of the Pareto Law and Other Power-Law Distributions. <i>New Economic Windows</i> , 2017, , 159-176.	1.0	1
10	Classical and quantum Brownian motion in an electromagnetic field. <i>Fortschritte Der Physik</i> , 2017, 65, 1600058.	1.5	2
11	Kinetic Exchange Models as D Dimensional Systems: A Comparison of Different Approaches. <i>New Economic Windows</i> , 2017, , 147-158.	1.0	2
12	Patterns of Linguistic Diffusion in Space and Time: The Case of Mazatec. <i>New Economic Windows</i> , 2017, , 227-251.	1.0	1
13	Diffusion in the presence of a local attracting factor: Theory and interdisciplinary applications. <i>Physical Review E</i> , 2017, 95, 062116.	0.8	0
14	Power-Laws as Statistical Mixtures. <i>Springer Proceedings in Complexity</i> , 2016, , 271-282.	0.2	1
15	Uni- vs. bi-directional kinetic exchange models. <i>International Journal of Computational Economics and Econometrics</i> , 2015, 5, 213.	0.1	0
16	Constructive effects of diversity in a multi-neuron model of the homeostatic regulation of the sleep-wake cycle. <i>Chaos, Solitons and Fractals</i> , 2015, 81, 567-574.	2.5	9
17	THE ROLE OF BILINGUALS IN LANGUAGE COMPETITION. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2014, 17, 1450003.	0.9	24
18	Kinetic models of immediate exchange. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	20

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19	Kinetic exchange models: From molecular physics to social science. American Journal of Physics, 2013, 81, 618-623.	0.3	30
20	MODELING TWO-LANGUAGE COMPETITION DYNAMICS. International Journal of Modeling, Simulation, and Scientific Computing, 2012, 15, 1250048.	0.9	46
21	Diversity and Noise Effects in a Model of Homeostatic Regulation of the Sleep-Wake Cycle. PLoS Computational Biology, 2012, 8, e1002650.	1.5	17
22	Econophysics review: II. Agent-based models. Quantitative Finance, 2011, 11, 1013-1041.	0.9	205
23	Econophysics review: I. Empirical facts. Quantitative Finance, 2011, 11, 991-1012.	0.9	265
24	Basic kinetic wealth-exchange models: common features and open problems. European Physical Journal B, 2010, 73, 145-153.	0.6	75
25	Stochastic resonance in a surface dipole. Chemical Physics, 2010, 375, 410-415.	0.9	4
26	Fractional Fokker-Planck subdiffusion in alternating force fields. Physical Review E, 2009, 79, 041137.	0.8	25
27	Influence of geography on language competition. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 174-186.	1.2	63
28	Stochastic resonance in bistable confining potentials. European Physical Journal B, 2009, 69, 19-22.	0.6	36
29	Variational Principle for the Pareto Power Law. Physical Review Letters, 2009, 103, 228701.	2.9	31
30	Gamma-distribution and wealth inequality. Pramana - Journal of Physics, 2008, 71, 233-243.	0.9	32
31	Dimer diffusion in a washboard potential. Physical Review E, 2008, 77, 021129.	0.8	42
32	Use and Abuse of a Fractional Fokker-Planck Dynamics for Time-Dependent Driving. Physical Review Letters, 2007, 99, 120602.	2.9	81
33	Fractional diffusion in periodic potentials. Journal of Physics Condensed Matter, 2007, 19, 065114.	0.7	13
34	Relaxation in statistical many-agent economy models. European Physical Journal B, 2007, 57, 219-224.	0.6	28
35	Three-dimensional interactive Molecular Dynamics program for the study of defect dynamics in crystals. Computer Physics Communications, 2007, 176, 38-47.	3.0	3
36	Financial Time-series Analysis: a Brief Overview. , 2007, , 51-67.		5

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37	Influence of saving propensity on the power-law tail of the wealth distribution. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 369, 723-736.	1.2	47
38	Fractional Fokker-Planck dynamics: Numerical algorithm and simulations. <i>Physical Review E</i> , 2006, 73, 046133.	0.8	91
39	Current and universal scaling in anomalous transport. <i>Physical Review E</i> , 2006, 73, 020101.	0.8	58
40	Dissociated dislocations in Ni: a computational study. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 390, 393-399.	2.6	2
41	Feynman's Vernon model of a moving thermal environment. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 29, 243-250.	1.3	5
42	Computational study of a screw dislocation interacting with a stacking-fault tetrahedron. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2005, 13, 541-551.	0.8	24
43	Statistical model with a standard distribution. <i>Physical Review E</i> , 2004, 70, 016104.	0.8	130
44	Gibbs versus non-Gibbs distributions in money dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 340, 334-339.	1.2	49
45	Modeling language competition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 338, 296-299.	1.2	108
46	Computational study of core structure and Peierls stress of dissociated dislocations in nickel. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2003, 11, 883-895.	0.8	34
47	Stability of charge inversion, Thomson problem, and application to electrophoresis. <i>Physical Review E</i> , 2003, 67, 031402.	0.8	17
48	MODIFIED EAM POTENTIALS FOR MODELLING STACKING-FAULT BEHAVIOR IN Cu, Al, Au, AND Ni. <i>International Journal of Modern Physics B</i> , 2002, 16, 2823-2835.	1.0	11
49	Nucleation and dynamics of dislocations in mismatched heterostructures. <i>Materials Research Society Symposia Proceedings</i> , 2001, 696, 1.	0.1	1
50	Quantum Chaos and Transport in Mesoscopic Systems. <i>Springer Series in Solid-state Sciences</i> , 2000, , 235-269.	0.3	0
51	Classical and quantum measurements of position. <i>Journal of Physics A</i> , 1997, 30, 7385-7411.	1.6	20
52	Statistical correlations in the oscillator model of quantum dissipative systems. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1996, 111, 61-72.	0.2	13
53	Classical and quantum dissipation in non-homogeneous environments. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 211, 449-464.	1.2	7
54	Boundary conditions for the Schrödinger equation in the numerical simulation of quantum systems. <i>Physical Review E</i> , 1994, 50, 1616-1622.	0.8	5

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55	Self-Organized Criticality in Dislocation Networks. Physical Review Letters, 1994, 72, 4101-4104.	2.9	14
56	Resonant states and photodissociation cross sections in protonated rare gases. Molecular Physics, 1989, 67, 281-302.	0.8	6
57	Accurate Ne ⁺ H ⁺ and Ar ⁺ H ⁺ interactions from spectroscopic and scattering states: A comparison of theory with experiments. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1989, 11, 1287-1305.	0.4	5