

# Mauro Mobilia

## List of Publications by Year in descending order

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62  
papers

4,070  
citations

186209

28  
h-index

138417

58  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2806  
citing authors



#	ARTICLE	IF	CITATIONS
19	Voting and catalytic processes with inhomogeneities. <i>Physical Review E</i> , 2005, 71, 046102.	0.8	51
20	When does cyclic dominance lead to stable spiral waves?. <i>Europhysics Letters</i> , 2013, 102, 28012.	0.7	47
21	Coexistence in the two-dimensional May-Leonard model with random rates. <i>European Physical Journal B</i> , 2011, 82, 97-105.	0.6	41
22	Stochastic dynamics of the prisoner's dilemma with cooperation facilitators. <i>Physical Review E</i> , 2012, 86, 011134.	0.8	39
23	Characterization of the nonequilibrium steady state of a heterogeneous nonlinear q-voter model with zealotry. <i>Europhysics Letters</i> , 2016, 113, 48001.	0.7	38
24	Fixation and polarization in a three-species opinion dynamics model. <i>Europhysics Letters</i> , 2011, 95, 50002.	0.7	33
25	The Influence of Mobility Rate on Spiral Waves in Spatial Rock-Paper-Scissors Games. <i>Games</i> , 2016, 7, 24.	0.4	32
26	Eco-evolutionary dynamics of a population with randomly switching carrying capacity. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180343.	1.5	32
27	Influence of local carrying capacity restrictions on stochastic predator-prey models. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 065139.	0.7	30
28	Facilitators on networks reveal optimal interplay between information exchange and reciprocity. <i>Physical Review E</i> , 2014, 89, 042802.	0.8	30
29	Heterogeneous out-of-equilibrium nonlinear $q$ -voter model with zealotry. <i>Physical Review E</i> , 2017, 95, 012104.	0.8	30
30	Population Dynamics in a Changing Environment: Random versus Periodic Switching. <i>Physical Review Letters</i> , 2020, 125, 048105.	2.9	30
31	Fixation in evolutionary games under non-vanishing selection. <i>Europhysics Letters</i> , 2010, 91, 10002.	0.7	29
32	Metastability and Anomalous Fixation in Evolutionary Games on Scale-Free Networks. <i>Physical Review Letters</i> , 2012, 109, 188701.	2.9	28
33	Large fluctuations and fixation in evolutionary games. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P09009.	0.9	27
34	Commitment Versus Persuasion in the Three-Party Constrained Voter Model. <i>Journal of Statistical Physics</i> , 2013, 151, 69-91.	0.5	22
35	Fixation of a deleterious allele under mutation pressure and finite selection intensity. <i>Journal of Theoretical Biology</i> , 2011, 275, 93-103.	0.8	21
36	Generalized empty-interval method applied to a class of one-dimensional stochastic models. <i>Physical Review E</i> , 2001, 64, 066123.	0.8	20

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37	Influence of Luddism on innovation diffusion. <i>Physical Review E</i> , 2015, 92, 012806.	0.8	18
38	Fixation properties of rock-paper-scissors games in fluctuating populations. <i>Journal of Theoretical Biology</i> , 2020, 491, 110135.	0.8	18
39	Complete solution of the kinetics in a far-from-equilibrium Ising chain. <i>Journal of Physics A</i> , 2004, 37, L407-L413.	1.6	15
40	Dynamics of strategic three-choice voting. <i>Europhysics Letters</i> , 2009, 85, 48003.	0.7	15
41	Survival behavior in the cyclic Lotka-Volterra model with a randomly switching reaction rate. <i>Physical Review E</i> , 2018, 97, 022406.	0.8	15
42	Evolutionary games with facilitators: When does selection favor cooperation?. <i>Chaos, Solitons and Fractals</i> , 2013, 56, 113-123.	2.5	14
43	Effect of mobility in the rock-paper-scissor dynamics with high mortality. <i>Physical Review E</i> , 2022, 105, 014215.	0.8	11
44	Kinetic anomalies in addition-aggregation processes. <i>Journal of Physics A</i> , 2003, 36, 4533-4542.	1.6	10
45	Generic principles of active transport. , 0, , .		10
46	Exact dynamics of a reaction-diffusion model with spatially alternating rates. <i>Physical Review E</i> , 2005, 71, 056129.	0.8	9
47	Bares and Mobilia Reply:. <i>Physical Review Letters</i> , 2000, 85, 893-893.	2.9	7
48	Exclusion of the fittest predicts microbial community diversity in fluctuating environments. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210613.	1.5	7
49	Solution of a one-dimensional stochastic model with branching and coagulation reactions. <i>Physical Review E</i> , 2001, 64, 045101.	0.8	5
50	Exact multipoint and multitime correlation functions of a one-dimensional model of adsorption and evaporation of dimers. <i>Physical Review E</i> , 2002, 65, 046127.	0.8	5
51	Spatial Patterns Emerging from a Stochastic Process Near Criticality. <i>Physical Review X</i> , 2020, 10, .	2.8	5
52	Stochastic effects on biodiversity in cyclic coevolutionary dynamics. , 0, , .		5
53	How does homophily shape the topology of a dynamic network?. <i>Physical Review E</i> , 2021, 104, 044311.	0.8	5
54	Reply to "Comment on "Stochastic dynamics of the prisoner's dilemma with cooperation facilitators"â€. <i>Physical Review E</i> , 2013, 88, 046102.	0.8	4

#	ARTICLE	IF	CITATIONS
55	Competition between homogeneous and local processes in a diffusive many-body system. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P04003.	0.9	3
56	Large fluctuations in anti-coordination games on scale-free graphs. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 053405.	0.9	3
57	Effects of homophily and heterophily on preferred-degree networks: mean-field analysis and overwhelming transition. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 013402.	0.9	2
58	Two-speciesd-dimensional diffusive model and its mapping onto a growth model. Physical Review E, 2001, 65, 016117.	0.8	1
59	Stochastic Effects On Biodiversity In Cyclic Coevolutionary Dynamics. Biophysical Journal, 2009, 96, 631a-632a.	0.2	1
60	Re-parametrizing the dilemmas. Physics of Life Reviews, 2015, 14, 47-48.	1.5	1
61	Spatial stochastic predator-prey models. , 0, , .		1
62	Anomalous Metastability and Fixation Properties of Evolutionary Games on Scale-Free Graphs. Springer Proceedings in Complexity, 2013, , 713-721.	0.2	0