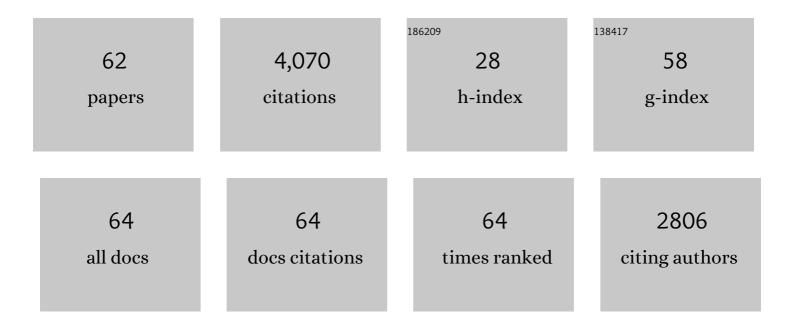
## Mauro Mobilia

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mobility promotes and jeopardizes biodiversity in rock–paper–scissors games. Nature, 2007, 448, 1046-1049.	13.7	616
2	Challenges in microbial ecology: building predictive understanding of community function and dynamics. ISME Journal, 2016, 10, 2557-2568.	4.4	570
3	Cyclic dominance in evolutionary games: a review. Journal of the Royal Society Interface, 2014, 11, 20140735.	1.5	392
4	Does a Single Zealot Affect an Infinite Group of Voters?. Physical Review Letters, 2003, 91, 028701.	2.9	250
5	Coexistence versus extinction in the stochastic cyclic Lotka-Volterra model. Physical Review E, 2006, 74, 051907.	0.8	212
6	On the role of zealotry in the voter model. Journal of Statistical Mechanics: Theory and Experiment, 2007, 2007, P08029-P08029.	0.9	189
7	Noise and Correlations in a Spatial Population Model with Cyclic Competition. Physical Review Letters, 2007, 99, 238105.	2.9	146
8	Self-organization of mobile populations in cyclic competition. Journal of Theoretical Biology, 2008, 254, 368-383.	0.8	135
9	Oscillatory dynamics in rock–paper–scissors games with mutations. Journal of Theoretical Biology, 2010, 264, 1-10.	0.8	117
10	Phase Transitions and Spatio-Temporal Fluctuations in Stochastic Lattice Lotka–Volterra Models. Journal of Statistical Physics, 2007, 128, 447-483.	0.5	110
11	Stochastic population dynamics in spatially extended predator–prey systems. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 063001.	0.7	93
12	Spatial rock-paper-scissors models with inhomogeneous reaction rates. Physical Review E, 2010, 82, 051909.	0.8	85
13	Bottleneck-induced transitions in a minimal model for intracellular transport. Physical Review E, 2006, 74, 031906.	0.8	76
14	Fluctuations and correlations in lattice models for predator-prey interaction. Physical Review E, 2006, 73, 040903.	0.8	73
15	Cooperation Dilemma in Finite Populations under Fluctuating Environments. Physical Review Letters, 2013, 111, 238101.	2.9	64
16	Nonlinear <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:mi>q</mml:mi>-voter model with inflexible zealots. Physical Review E, 2015, 92, 012803.</mml:math 	0.8	61
17	Evolution of a Fluctuating Population in a Randomly Switching Environment. Physical Review Letters, 2017, 119, 158301.	2.9	56
18	Characterization of spiraling patterns in spatial rock-paper-scissors games. Physical Review E, 2014, 90, 032704.	0.8	52

MAURO MOBILIA

#	Article	IF	CITATIONS
19	Voting and catalytic processes with inhomogeneities. Physical Review E, 2005, 71, 046102.	0.8	51
20	When does cyclic dominance lead to stable spiral waves?. Europhysics Letters, 2013, 102, 28012.	0.7	47
21	Coexistence in the two-dimensional May-Leonard model with random rates. European Physical Journal B, 2011, 82, 97-105.	0.6	41
22	Stochastic dynamics of the prisoner's dilemma with cooperation facilitators. Physical Review E, 2012, 86, 011134.	0.8	39
23	Characterization of the nonequilibrium steady state of a heterogeneous nonlinear q-voter model with zealotry. Europhysics Letters, 2016, 113, 48001.	0.7	38
24	Fixation and polarization in a three-species opinion dynamics model. Europhysics Letters, 2011, 95, 50002.	0.7	33
25	The Influence of Mobility Rate on Spiral Waves in Spatial Rock-Paper-Scissors Games. Games, 2016, 7, 24.	0.4	32
26	Eco-evolutionary dynamics of a population with randomly switching carrying capacity. Journal of the Royal Society Interface, 2018, 15, 20180343.	1.5	32
27	Influence of local carrying capacity restrictions on stochastic predator–prey models. Journal of Physics Condensed Matter, 2007, 19, 065139.	0.7	30
28	Facilitators on networks reveal optimal interplay between information exchange and reciprocity. Physical Review E, 2014, 89, 042802.	0.8	30
29	Heterogeneous out-of-equilibrium nonlinear <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:mi>q</mml:mi>-voter model with zealotry. Physical Review E, 2017, 95, 012104.</mml:math 	0.8	30
30	Population Dynamics in a Changing Environment: Random versus Periodic Switching. Physical Review Letters, 2020, 125, 048105.	2.9	30
31	Fixation in evolutionary games under non-vanishing selection. Europhysics Letters, 2010, 91, 10002.	0.7	29
32	Metastability and Anomalous Fixation in Evolutionary Games on Scale-Free Networks. Physical Review Letters, 2012, 109, 188701.	2.9	28
33	Large fluctuations and fixation in evolutionary games. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P09009.	0.9	27
34	Commitment Versus Persuasion in the Three-Party Constrained Voter Model. Journal of Statistical Physics, 2013, 151, 69-91.	0.5	22
35	Fixation of a deleterious allele under mutation pressure and finite selection intensity. Journal of Theoretical Biology, 2011, 275, 93-103.	0.8	21
36	Generalized empty-interval method applied to a class of one-dimensional stochastic models. Physical Review E, 2001, 64, 066123.	0.8	20

MAURO MOBILIA

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

MAURO MOBILIA

#	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