

Joaquim Fort

List of Publications by Year in descending order

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62
papers

2,128
citations

257101

24
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243296

44
g-index

62
all docs

62
docs citations

62
times ranked

1851
citing authors

#	ARTICLE	IF	CITATIONS
1	Front propagation and cultural transmission. Theory and application to Neolithic transitions. Chaos, Solitons and Fractals, 2021, 148, 111060.	2.5	3
2	The Spread of Agriculture: Quantitative Laws in Prehistory?. Computational Social Sciences, 2021, , 17-28.	0.4	3
3	Biased dispersal can explain fast human range expansions. Scientific Reports, 2020, 10, 9036.	1.6	6
4	Long-distance dispersal effects and Neolithic waves of advance. Journal of Archaeological Science, 2020, 119, 105148.	1.2	5
5	The spread of domesticated rice in eastern and southeastern Asia was mainly demic. Journal of Archaeological Science, 2019, 101, 123-130.	1.2	18
6	Assessing the importance of cultural diffusion in the Bantu spread into southeastern Africa. PLoS ONE, 2019, 14, e0215573.	1.1	13
7	The Neolithic Transition: Diffusion of People or Diffusion of Culture?. , 2018, , 313-331.		5
8	Estimating the relative importance of demic and cultural diffusion in the spread of the Neolithic in Scandinavia. Journal of the Royal Society Interface, 2018, 15, 20180597.	1.5	17
9	A serial founder effect model of phonemic diversity based on phonemic loss in low-density populations. PLoS ONE, 2018, 13, e0198346.	1.1	5
10	Luigi Luca Cavalli-Sforza (1922â€“2018). Human Biology, 2018, 90, 89.	0.4	2
11	Modeling the role of voyaging in the coastal spread of the Early Neolithic in the West Mediterranean. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 897-902.	3.3	78
12	The ancient cline of haplogroup K implies that the Neolithic transition in Europe was mainly demic. Scientific Reports, 2017, 7, 11229.	1.6	23
13	Can a linguistic serial founder effect originating in Africa explain the worldwide phonemic cline?. Journal of the Royal Society Interface, 2016, 13, 20160185.	1.5	10
14	Modelling Cultural Shift: Application to Processes of Language Displacement. Computational Social Sciences, 2016, , 219-232.	0.4	0
15	A mathematical approach to virus therapy of glioblastomas. Biology Direct, 2016, 11, 1.	1.9	62
16	Population Spread and Cultural Transmission in Neolithic Transitions. Computational Social Sciences, 2016, , 189-197.	0.4	0
17	Modeling Demic and Cultural Diffusion: An Introduction. Human Biology, 2015, 87, 141.	0.4	7
18	Demic and cultural diffusion propagated the Neolithic transition across different regions of Europe. Journal of the Royal Society Interface, 2015, 12, 20150166.	1.5	71

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19	Cultural Diffusion Was the Main Driving Mechanism of the Neolithic Transition in Southern Africa. PLoS ONE, 2014, 9, e113672.	1.1	50
20	Language extinction and linguistic fronts. Journal of the Royal Society Interface, 2014, 11, 20140028.	1.5	29
21	The Neolithic Transition in the Iberian Peninsula: Data Analysis and Modeling. Journal of Archaeological Method and Theory, 2014, 21, 447-460.	1.4	50
22	Cohabitation reaction-diffusion model for virus focal infections. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 611-619.	1.2	4
23	Lag-driven motion in front propagation. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 4946-4955.	1.2	2
24	Accelerated tumor invasion under non-isotropic cell dispersal in glioblastomas. New Journal of Physics, 2013, 15, 055001.	1.2	9
25	Electric fire hazards at home and in the classroom. Physics Education, 2013, 48, 558-560.	0.3	0
26	Synthesis between demic and cultural diffusion in the Neolithic transition in Europe. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18669-18673.	3.3	114
27	Front Speed of Language Replacement. Human Biology, 2012, 84, 755-772.	0.4	9
28	Modelling the Neolithic Transition in the Near East and Europe. American Antiquity, 2012, 77, 203-219.	0.6	46
29	Modelling the effect of Mesolithic populations on the slowdown of the Neolithic transition. Journal of Archaeological Science, 2012, 39, 3671-3676.	1.2	20
30	Space Competition and Time Delays in Human Range Expansions. Application to the Neolithic Transition. PLoS ONE, 2012, 7, e51106.	1.1	28
31	Spatial dimensions increase the effect of cultural drift. Journal of Archaeological Science, 2011, 38, 1294-1299.	1.2	19
32	Vertical cultural transmission effects on demic front propagation: Theory and application to the Neolithic transition in Europe. Physical Review E, 2011, 83, 056124.	0.8	10
33	Age-dependent mortality, fecundity and mobility effects on front speeds: theory and application to the Neolithic transition. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P11006.	0.9	5
34	Anisotropic dispersion, space competition and the slowdown of the Neolithic transition. New Journal of Physics, 2010, 12, 123002.	1.2	17
35	Virus infection speeds: Theory versus experiment. Physical Review E, 2010, 82, 061905.	0.8	11
36	Time-delayed reaction-diffusion fronts. Physical Review E, 2009, 80, 057103.	0.8	10

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37	Generalized analytical expressions for the burning velocity in a combustion model with non-constant transport coefficients and several specific heats. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4959-4972.	1.2	4
38	Bounds for the speed of combustion flames: The effect of mass diffusion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1987-1998.	1.2	6
39	Progress in front propagation research. <i>Reports on Progress in Physics</i> , 2008, 71, 086001.	8.1	53
40	Realistic dispersion kernels applied to cohabitation reactionâ€“dispersion equations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2008, 2008, P10012.	0.9	37
41	Time-delayed fronts from biased random walks. <i>New Journal of Physics</i> , 2007, 9, 234-234.	1.2	13
42	Fronts from integrodifference equations and persistence effects on the Neolithic transition. <i>Physical Review E</i> , 2007, 76, 031913.	0.8	32
43	Fronts from complex two-dimensional dispersal kernels: Theory and application to Reidâ€™s paradox. <i>Journal of Applied Physics</i> , 2007, 101, 094701.	1.1	20
44	Transport on fractal river networks: Application to migration fronts. <i>Theoretical Population Biology</i> , 2006, 69, 88-93.	0.5	76
45	Tracing the Origin and Spread of Agriculture in Europe. <i>PLoS Biology</i> , 2005, 3, e410.	2.6	314
46	Multidelayed random walks: Theory and application to the neolithic transition in Europe. <i>Physical Review E</i> , 2004, 70, 031913.	0.8	47
47	A simple scaling approach to Mott conductivity. <i>Physica B: Condensed Matter</i> , 2004, 344, 62-65.	1.3	15
48	Local thermodynamic derivation of Young's equation. <i>Journal of Colloid and Interface Science</i> , 2004, 272, 420-429.	5.0	78
49	THE ROLE OF THE DELAY TIME IN THE MODELING OF BIOLOGICAL RANGE EXPANSIONS. <i>Ecology</i> , 2004, 85, 258-264.	1.5	39
50	Palaeolithic Populations and Waves of Advance. <i>Cambridge Archaeological Journal</i> , 2004, 14, 53-61.	0.6	59
51	Population expansion in the western Pacific (Austronesia): a wave of advance model. <i>Antiquity</i> , 2003, 77, 520-530.	0.5	26
52	Time-Delayed Spread of Viruses in Growing Plaques. <i>Physical Review Letters</i> , 2002, 89, 178101.	2.9	106
53	Wavefronts in time-delayed reaction-diffusion systems. Theory and comparison to experiment. <i>Reports on Progress in Physics</i> , 2002, 65, 895-954.	8.1	117
54	A Comment on Amplification and Spread of Viruses in a Growing Plaque. <i>Journal of Theoretical Biology</i> , 2002, 214, 515-518.	0.8	10

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55	On Approximate Solutions to the Wavefront Speed Problem. Journal of Statistical Physics, 2002, 107, 805-820.	0.5	3
56	Dynamical evolution of discrete epidemic models. Physica A: Statistical Mechanics and Its Applications, 2000, 284, 309-317.	1.2	21
57	Reaction-diffusion waves of advance in the transition to agricultural economics. Physical Review E, 1999, 60, 5894-5901.	0.8	51
58	Time-Delayed Theory of the Neolithic Transition in Europe. Physical Review Letters, 1999, 82, 867-870.	2.9	181
59	Irreversible thermodynamics of Poisson processes with reaction. Physical Review E, 1999, 60, 6168-6171.	0.8	5
60	Speed of wave-front solutions to hyperbolic reaction-diffusion equations. Physical Review E, 1999, 60, 5231-5243.	0.8	52
61	Prehistoric spread rates and genetic clines. , 0, , .		0
62	Prehistoric spread rates and genetic clines. , 0, , .		2