Sandro Rambaldi

List of Publications by Year
in descending order

		1163117	1125743
17 papers	286 citations	8 h-index	13 g-index
19 all docs	19 docs citations	19 times ranked	324 citing authors

#	Article	IF	Citations
1	A stochastic compartmental model to simulate the Covid-19 epidemic spread on a simple network. Theoretical Biology Forum, 2020, 113, 31-46.	0.2	0
2	Unraveling pedestrian mobility on a road network using ICTs data during great tourist events. EPJ Data Science, 2018, 7, .	2.8	19
3	A stochastic model of randomly accelerated walkers for human mobility. Nature Communications, 2016, 7, 12600.	12.8	75
4	Understanding the variability of daily travel-time expenditures using GPS trajectory data. EPJ Data Science, 2015, 4, .	2.8	20
5	The physics of the city: pedestrians dynamics and crowding panic equation in Venezia. Quality and Quantity, 2014, 48, 347-373.	3.7	5
6	Nonlinear stability of traffic models and the use of Lyapunov vectors for estimating the traffic state. Physical Review E, 2013, 88, 022901.	2.1	13
7	Entropic measures of individual mobility patterns. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P10022.	2.3	16
8	Towards Congestion Detection in Transportation Networks Using GPS Data. , 2011, , .		1
9	Statistical laws in urban mobility from microscopic GPS data in the area of Florence. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P05001.	2.3	84
10	Dynamical models of molecular chains and efficient integration algorithms. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 593-612.	3.3	0
11	Traffic and Crowd Dynamics: The Physics of the City. , 2009, , 9411-9429.		3
12	EMERGENCE OF A TRAFFIC FLOW CONVENTION IN A MULTIAGENT MODEL. International Journal of Modeling, Simulation, and Scientific Computing, 2008, 11, 789-802.	1.4	1
13	COMPLEXCITY: MODELING URBAN MOBILITY. International Journal of Modeling, Simulation, and Scientific Computing, 2007, 10, 255-270.	1.4	6
14	Hard sphere gas state equation. Physica A: Statistical Mechanics and Its Applications, 2006, 361, 180-194.	2.6	4
15	An accurate fractional Brownian motion generator. Physica A: Statistical Mechanics and Its Applications, 1994, 208, 21-30.	2.6	29
16	Transient-induced statistics in the atmosphere. Tellus, Series A: Dynamic Meteorology and Oceanography, 1989, 41, 200-208.	1.7	0
17	A study of over-reflection in viscous Poiseuille flow. Journal of Fluid Mechanics, 1986, 165, 355.	3.4	9