Filippo Simini

List of Publications by Year
in descending order

20 papers	2,508 citations	687363 13 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	2960 citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Adversarial Behavior Against Mobility Data Privacy. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1145-1158.	8.0	7
2	The agglomeration and dispersion dichotomy of human settlements on Earth. Scientific Reports, 2021, 11, 23289.	3.3	9
3	A Deep Gravity model for mobility flows generation. Nature Communications, 2021, 12, 6576.	12.8	62
4	Social media usage reveals recovery ofÂsmall businesses after natural hazard events. Nature Communications, 2020, 11, 1629.	12.8	37
5	Testing Heapsâ€™ law for cities using administrative and gridded population data sets. EPJ Data Science, 2019, 8, .	2.8	8
6	Human Mobility from theory to practice:Data, Models and Applications. , 2019, , .		8
7	Human mobility: Models and applications. Physics Reports, 2018, 734, 1-74.	25.6	522
8	Data-driven generation of spatio-temporal routines in human mobility. Data Mining and Knowledge Discovery, 2018, 32, 787-829.	3.7	79
9	Zipf's and Taylor's laws. Physical Review E, 2018, 98, .	2.1	12
10	Testing a general approach to assess the degree of disturbance in tropical forests. Journal of Vegetation Science, 2017, 28, 659-668.	2.2	11
11	Human Mobility Modelling: Exploration and Preferential Return Meet the Gravity Model. Procedia Computer Science, 2016, 83, 934-939.	2.0	34
12	Evacuation time estimate for total pedestrian evacuation using a queuing network model and volunteered geographic information. Physical Review E, 2016, 93, 032311.	2.1	22
13	Returners and explorers dichotomy in human mobility. Nature Communications, 2015, 6, 8166.	12.8	300
14	Large Scale Pedestrian Evacuation Modeling Framework Using Volunteered Geographical Information. Transportation Research Procedia, 2014, 2, 813-818.	1.5	18
15	Emergence of structural and dynamical properties of ecological mutualistic networks. Nature, 2013, 500, 449-452.	27.8	221
16	Comparing General Mobility and Mobility by Car. , 2013, , .		2
17	An allometry-based approach for understanding forest structure, predicting tree-size distribution and assessing the degree of disturbance. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122375.	2.6	35
18	Human Mobility in a Continuum Approach. PLoS ONE, 2013, 8, e60069.	2.5	67

#	Article	IF	Citations
19	A universal model for mobility and migration patterns. Nature, 2012, 484, 96-100.	27.8	1,027
20	Self-similarity and scaling in forest communities. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7658-7662.	7.1	27