

# Filippo Simini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1760999/publications.pdf>

Version: 2024-02-01

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	A universal model for mobility and migration patterns. Nature, 2012, 484, 96-100.	27.8	1,027
2	Human mobility: Models and applications. Physics Reports, 2018, 734, 1-74.	25.6	522
3	Returners and explorers dichotomy in human mobility. Nature Communications, 2015, 6, 8166.	12.8	300
4	Emergence of structural and dynamical properties of ecological mutualistic networks. Nature, 2013, 500, 449-452.	27.8	221
5	Data-driven generation of spatio-temporal routines in human mobility. Data Mining and Knowledge Discovery, 2018, 32, 787-829.	3.7	79
6	Human Mobility in a Continuum Approach. PLoS ONE, 2013, 8, e60069.	2.5	67
7	A Deep Gravity model for mobility flows generation. Nature Communications, 2021, 12, 6576.	12.8	62
8	Social media usage reveals recovery of small businesses after natural hazard events. Nature Communications, 2020, 11, 1629.	12.8	37
9	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
10	Human Mobility Modelling: Exploration and Preferential Return Meet the Gravity Model. Procedia Computer Science, 2016, 83, 934-939.	2.0	34
11	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
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	Large Scale Pedestrian Evacuation Modeling Framework Using Volunteered Geographical Information. Transportation Research Procedia, 2014, 2, 813-818.	1.5	18
14	Zipf's and Taylor's laws. Physical Review E, 2018, 98, .	2.1	12
15	Testing a general approach to assess the degree of disturbance in tropical forests. Journal of Vegetation Science, 2017, 28, 659-668.	2.2	11
16	The agglomeration and dispersion dichotomy of human settlements on Earth. Scientific Reports, 2021, 11, 23289.	3.3	9
17	Testing Heaps's law for cities using administrative and gridded population data sets. EPJ Data Science, 2019, 8, .	2.8	8
18	Human Mobility from theory to practice: Data, Models and Applications. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
19	Modeling Adversarial Behavior Against Mobility Data Privacy. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1145-1158.	8.0	7
20	Comparing General Mobility and Mobility by Car. , 2013, , .		2