Eduardo Lopez

List of Publications by Citations

26 papers	965 citations	13 h-index	31 g-index
31 ext. papers	1,091 ext. citations	2.9 avg, IF	3.91 L-index

#	Paper	IF	Citations
26	Persistence of social signatures in human communication. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 942-7	11.5	238
25	Percolation in multiplex networks with overlap. *Physical Review E*, **2013**, 88, 052811	2.4	137
24	Structural bottlenecks for communication in networks. *Physical Review E*, **2007**, 75, 036105	2.4	109
23	Anomalous transport in scale-free networks. *Physical Review Letters*, **2005**, 94, 248701	7.4	82
22	Daily Rhythms in Mobile Telephone Communication. *PLoS ONE*, **2015**, 10, e0138098	3.7	72
21	OPTIMAL PATH AND MINIMAL SPANNING TREES IN RANDOM WEIGHTED NETWORKS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2007**, 17, 2215-2255	2	51
20	Growth-induced mass flows in fungal networks. *Proceedings of the Royal Society B: Biological Sciences*, **2010**, 277, 3265-74	4.4	39
19	Current flow in random resistor networks: the role of percolation in weak and strong disorder. *Physical Review E*, **2005**, 71, 045101	2.4	39
18	Universal behavior of optimal paths in weighted networks with general disorder. *Physical Review Letters*, **2006**, 96, 068702	7.4	32
17	Advection, diffusion, and delivery over a network. *Physical Review E*, **2012**, 86, 021905	2.4	28
16	Limited path percolation in complex networks. *Physical Review Letters*, **2007**, 99, 188701	7.4	24
15	Optimization of transport protocols with path-length constraints in complex networks. *Physical Review E*, **2010**, 82, 036119	2.4	17
14	Postbreakthrough behavior in flow through porous media. *Physical Review E*, **2003**, 67, 056314	2.4	17
13	Personality traits and ego-network dynamics. *PLoS ONE*, **2017**, 12, e0173110	3.7	12
12	Universality of the optimal path in the strong disorder limit. *Physical Review E*, **2004**, 70, 035102	2.4	10
11	Possible connection between the optimal path and flow in percolation clusters. *Physical Review E*, **2005**, 72, 056131	2.4	10
10	Anomalous electrical and frictionless flow conductance in complex networks. *Physica D: Nonlinear Phenomena*, **2006**, 224, 69-76	3.3	9

LIST OF PUBLICATIONS

9	Frictional unemployment on labor flow networks. *Journal of Economic Behavior and Organization*, **2019**, 160, 184-201	1.6	7
8	Channel-Specific Daily Patterns in Mobile Phone Communication. *Springer Proceedings in Complexity*, **2016**, 209-218	0.3	7
7	Using relaxational dynamics to reduce network congestion. *New Journal of Physics*, **2008**, 10, 093007	2.9	6
6	Firm-to-firm labor flows and the aggregate matching function: A network-based test using employer‐employee matched records. *Economics Letters*, **2015**, 136, 9-12	1.3	5
5	The Network Picture of Labor Flow. *SSRN Electronic Journal*,	1	5
4	Understanding Unemployment in the Era of Big Data: Policy Informed by Data-Driven Theory. *Policy and Internet*, **2017**, 9, 28-54	2.6	4
3	The distribution of the number of node neighbors in random hypergraphs. *Journal of Physics A: Mathematical and Theoretical*, **2013**, 46, 305003	2	2
2	Weighted projected networks: mapping hypergraphs to networks. *Physical Review E*, **2013**, 87, 052813	2.4	2
1	The Network Composition of Aggregate Unemployment. *SSRN Electronic Journal*,	1	1