

CÃ©sar A Hidalgo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5735226/publications.pdf>

Version: 2024-02-01

60
papers

15,536
citations

159585

30
h-index

223800

46
g-index

63
all docs

63
docs citations

63
times ranked

12000
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding individual human mobility patterns. <i>Nature</i> , 2008, 453, 779-782.	27.8	4,884
2	The Product Space Conditions the Development of Nations. <i>Science</i> , 2007, 317, 482-487.	12.6	1,726
3	The building blocks of economic complexity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10570-10575.	7.1	1,623
4	Unique in the Crowd: The privacy bounds of human mobility. <i>Scientific Reports</i> , 2013, 3, 1376.	3.3	983
5	Proto-genes and de novo gene birth. <i>Nature</i> , 2012, 487, 370-374.	27.8	555
6	A Dynamic Network Approach for the Study of Human Phenotypes. <i>PLoS Computational Biology</i> , 2009, 5, e1000353.	3.2	527
7	The network structure of economic output. <i>Journal of Economic Growth</i> , 2011, 16, 309-342.	1.9	420
8	Understanding the Spreading Patterns of Mobile Phone Viruses. <i>Science</i> , 2009, 324, 1071-1076.	12.6	407
9	Linking Economic Complexity, Institutions, and Income Inequality. <i>World Development</i> , 2017, 93, 75-93.	4.9	377
10	Genome-scale analysis of in vivo spatiotemporal promoter activity in <i>Caenorhabditis elegans</i> . <i>Nature Biotechnology</i> , 2007, 25, 663-668.	17.5	286
11	The Collaborative Image of The City: Mapping the Inequality of Urban Perception. <i>PLoS ONE</i> , 2013, 8, e68400.	2.5	283
12	Economic complexity theory and applications. <i>Nature Reviews Physics</i> , 2021, 3, 92-113.	26.6	247
13	Streetscore – Predicting the Perceived Safety of One Million Streetscapes. , 2014, , .		201
14	Complex economic activities concentrate in large cities. <i>Nature Human Behaviour</i> , 2020, 4, 248-254.	12.0	183
15	Neighbors and the evolution of the comparative advantage of nations: Evidence of international knowledge diffusion?. <i>Journal of International Economics</i> , 2014, 92, 111-123.	3.0	178
16	Computer vision uncovers predictors of physical urban change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7571-7576.	7.1	171
17	Deep Learning the City: Quantifying Urban Perception at a Global Scale. <i>Lecture Notes in Computer Science</i> , 2016, , 196-212.	1.3	167
18	The dynamics of a mobile phone network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 3017-3024.	2.6	151

#	ARTICLE	IF	CITATIONS
19	The Principle of Relatedness. Springer Proceedings in Complexity, 2018, , 451-457.	0.3	128
20	The Dynamics of Nestedness Predicts the Evolution of Industrial Ecosystems. PLoS ONE, 2012, 7, e49393.	2.5	115
21	Links that speak: The global language network and its association with global fame. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5616-22.	7.1	112
22	VizML. , 2019, , .		103
23	Unpacking the polarization of workplace skills. Science Advances, 2018, 4, eaao6030.	10.3	93
24	Transcription factor modularity in a gene-centered C. elegans core neuronal protein-DNA interaction network. Genome Research, 2007, 17, 1061-1071.	5.5	87
25	The universal decay of collective memory and attention. Nature Human Behaviour, 2019, 3, 82-91.	12.0	86
26	Sherlock. , 2019, , .		81
27	The research space: using career paths to predict the evolution of the research output of individuals, institutions, and nations. Scientometrics, 2016, 109, 1695-1709.	3.0	68
28	Optimal diversification strategies in the networks of related products and of related research areas. Nature Communications, 2018, 9, 1328.	12.8	68
29	Conditions for the emergence of scaling in the inter-event time of uncorrelated and seasonal systems. Physica A: Statistical Mechanics and Its Applications, 2006, 369, 877-883.	2.6	66
30	The role of industry-specific, occupation-specific, and location-specific knowledge in the growth and survival of new firms. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12646-12653.	7.1	65
31	Cities Are Physical Too: Using Computer Vision to Measure the Quality and Impact of Urban Appearance. American Economic Review, 2016, 106, 128-132.	8.5	60
32	Country Diversification, Product Ubiquity, and Economic Divergence. SSRN Electronic Journal, 0, , .	0.4	53
33	VizNet. , 2019, , .		46
34	Pantheon 1.0, a manually verified dataset of globally famous biographies. Scientific Data, 2016, 3, 150075.	5.3	44
35	DIVE. , 2018, , .		35
36	The mobility of displaced workers: How the local industry mix affects job search. Journal of Urban Economics, 2018, 108, 124-140.	4.4	31

#	ARTICLE	IF	CITATIONS
37	The amenity mix of urban neighborhoods. <i>Habitat International</i> , 2020, 106, 102205.	5.8	31
38	Beyond network structure: How heterogeneous susceptibility modulates the spread of epidemics. <i>Scientific Reports</i> , 2014, 4, 4795.	3.3	30
39	The time and frequency of unrelated diversification. <i>Research Policy</i> , 2022, 51, 104323.	6.4	26
40	Disconnected, fragmented, or united? a trans-disciplinary review of network science. <i>Applied Network Science</i> , 2016, 1, 6.	1.5	25
41	Spillovers across industries and regions in Chinaâ€™s regional economic diversification. <i>Regional Studies</i> , 2021, 55, 1311-1326.	4.4	24
42	Bilateral relatedness: knowledge diffusion and the evolution of bilateral trade. <i>Journal of Evolutionary Economics</i> , 2020, 30, 247-277.	1.7	20
43	From useless to keystone. <i>Nature Physics</i> , 2018, 14, 9-10.	16.7	18
44	Humans judge faces in incomplete photographs as physically more attractive. <i>Scientific Reports</i> , 2020, 10, 110.	3.3	17
45	Implied Comparative Advantage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	12
46	The effect of social interactions in the primary consumption life cycle of motion pictures. <i>New Journal of Physics</i> , 2006, 8, 52-52.	2.9	11
47	International Knowledge Diffusion and the Comparative Advantage of Nations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	9
48	Economic diversification: implications for Kazakhstan. , 2015, , .		7
49	How the medium shapes the message: Printing and the rise of the arts and sciences. <i>PLoS ONE</i> , 2019, 14, e0205771.	2.5	7
50	Thinking outside the cube. <i>Physics World</i> , 2008, 21, 34-37.	0.0	5
51	Complex Economic Activities Concentrate in Large Cities. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
52	Bipartite networks provide new insights on international trade markets. <i>Networks and Heterogeneous Media</i> , 2012, 7, 399-413.	1.1	3
53	Planet Hard Drive. <i>Scientific American</i> , 2015, 313, 72-75.	1.0	2
54	Computational aspects of optimal strategic network diffusion. <i>Theoretical Computer Science</i> , 2020, 814, 153-168.	0.9	2

#	ARTICLE	IF	CITATIONS
55	When All Products Are Digital: Complexity and Intangible Value in the Ecosystem of Digitizing Firms. SSRN Electronic Journal, 0, , .	0.4	2
56	Stationary state structure of a random copying mechanism over a complex network. Physica A: Statistical Mechanics and Its Applications, 2005, 353, 674-684.	2.6	1
57	Pantheon: Visualizing historical cultural production. , 2014, , .		1
58	Networks in equity and sustainability. , 2012, , .		0
59	Reply to Biersteker: When methods matter. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1815-E1815.	7.1	0
60	Biodigital. , 2019, , .		0