

CÃ©sar A Hidalgo

List of Publications by Year in descending order

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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	The time and frequency of unrelated diversification. <i>Research Policy</i> , 2022, 51, 104323.	6.4	26
2	Economic complexity theory and applications. <i>Nature Reviews Physics</i> , 2021, 3, 92-113.	26.6	247
3	Spillovers across industries and regions in Chinaâ€™s regional economic diversification. <i>Regional Studies</i> , 2021, 55, 1311-1326.	4.4	24
4	Bilateral relatedness: knowledge diffusion and the evolution of bilateral trade. <i>Journal of Evolutionary Economics</i> , 2020, 30, 247-277.	1.7	20
5	Humans judge faces in incomplete photographs as physically more attractive. <i>Scientific Reports</i> , 2020, 10, 110.	3.3	17
6	The amenity mix of urban neighborhoods. <i>Habitat International</i> , 2020, 106, 102205.	5.8	31
7	Complex economic activities concentrate in large cities. <i>Nature Human Behaviour</i> , 2020, 4, 248-254.	12.0	183
8	Computational aspects of optimal strategic network diffusion. <i>Theoretical Computer Science</i> , 2020, 814, 153-168.	0.9	2
9	Sherlock. , 2019, , .		81
10	Biodigital. , 2019, , .		0
11	VizNet. , 2019, , .		46
12	VizML. , 2019, , .		103
13	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
14	The universal decay of collective memory and attention. <i>Nature Human Behaviour</i> , 2019, 3, 82-91.	12.0	86
15	Optimal diversification strategies in the networks of related products and of related research areas. <i>Nature Communications</i> , 2018, 9, 1328.	12.8	68
16	From useless to keystone. <i>Nature Physics</i> , 2018, 14, 9-10.	16.7	18
17	The role of industry-specific, occupation-specific, and location-specific knowledge in the growth and survival of new firms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12646-12653.	7.1	65
18	DIVE. , 2018, , .		35

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19	The mobility of displaced workers: How the local industry mix affects job search. Journal of Urban Economics, 2018, 108, 124-140.	4.4	31
20	The Principle of Relatedness. Springer Proceedings in Complexity, 2018, , 451-457.	0.3	128
21	Unpacking the polarization of workplace skills. Science Advances, 2018, 4, eaao6030.	10.3	93
22	Linking Economic Complexity, Institutions, and Income Inequality. World Development, 2017, 93, 75-93.	4.9	377
23	Computer vision uncovers predictors of physical urban change. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7571-7576.	7.1	171
24	Pantheon 1.0, a manually verified dataset of globally famous biographies. Scientific Data, 2016, 3, 150075.	5.3	44
25	Deep Learning the City: Quantifying Urban Perception at a Global Scale. Lecture Notes in Computer Science, 2016, , 196-212.	1.3	167
26	Disconnected, fragmented, or united? a trans-disciplinary review of network science. Applied Network Science, 2016, 1, 6.	1.5	25
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	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
29	Economic diversification: implications for Kazakhstan. , 2015, , .		7
30	Planet Hard Drive. Scientific American, 2015, 313, 72-75.	1.0	2
31	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
32	Streetscore – Predicting the Perceived Safety of One Million Streetscapes. , 2014, , .		201
33	Pantheon: Visualizing historical cultural production. , 2014, , .		1
34	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
35	Neighbors and the evolution of the comparative advantage of nations: Evidence of international knowledge diffusion?. Journal of International Economics, 2014, 92, 111-123.	3.0	178
36	Beyond network structure: How heterogeneous susceptibility modulates the spread of epidemics. Scientific Reports, 2014, 4, 4795.	3.3	30

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37	Unique in the Crowd: The privacy bounds of human mobility. Scientific Reports, 2013, 3, 1376.	3.3	983
38	The Collaborative Image of The City: Mapping the Inequality of Urban Perception. PLoS ONE, 2013, 8, e68400.	2.5	283
39	Networks in equity and sustainability. , 2012, , .		0
40	Proto-genes and de novo gene birth. Nature, 2012, 487, 370-374.	27.8	555
41	The Dynamics of Nestedness Predicts the Evolution of Industrial Ecosystems. PLoS ONE, 2012, 7, e49393.	2.5	115
42	Bipartite networks provide new insights on international trade markets. Networks and Heterogeneous Media, 2012, 7, 399-413.	1.1	3
43	The network structure of economic output. Journal of Economic Growth, 2011, 16, 309-342.	1.9	420
44	The building blocks of economic complexity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10570-10575.	7.1	1,623
45	A Dynamic Network Approach for the Study of Human Phenotypes. PLoS Computational Biology, 2009, 5, e1000353.	3.2	527
46	Understanding the Spreading Patterns of Mobile Phone Viruses. Science, 2009, 324, 1071-1076.	12.6	407
47	The dynamics of a mobile phone network. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3017-3024.	2.6	151
48	Understanding individual human mobility patterns. Nature, 2008, 453, 779-782.	27.8	4,884
49	Thinking outside the cube. Physics World, 2008, 21, 34-37.	0.0	5
50	Transcription factor modularity in a gene-centered C. elegans core neuronal protein-DNA interaction network. Genome Research, 2007, 17, 1061-1071.	5.5	87
51	The Product Space Conditions the Development of Nations. Science, 2007, 317, 482-487.	12.6	1,726
52	Genome-scale analysis of in vivo spatiotemporal promoter activity in Caenorhabditis elegans. Nature Biotechnology, 2007, 25, 663-668.	17.5	286
53	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
54	The effect of social interactions in the primary consumption life cycle of motion pictures. New Journal of Physics, 2006, 8, 52-52.	2.9	11

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55	Stationary state structure of a random copying mechanism over a complex network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 353, 674-684.	2.6	1
56	Country Diversification, Product Ubiquity, and Economic Divergence. <i>SSRN Electronic Journal</i> , 0, , .	0.4	53
57	International Knowledge Diffusion and the Comparative Advantage of Nations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	9
58	Implied Comparative Advantage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	12
59	Complex Economic Activities Concentrate in Large Cities. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
60	When All Products Are Digital: Complexity and Intangible Value in the Ecosystem of Digitizing Firms. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2