

David C Krakauer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4722455/publications.pdf>

Version: 2024-02-01

23
papers

1,410
citations

623734

14
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1451
citing authors

#	ARTICLE	IF	CITATIONS
1	Policing stabilizes construction of social niches in primates. <i>Nature</i> , 2006, 439, 426-429.	27.8	545
2	Social Structure, Robustness, and Policing Cost in a Cognitively Sophisticated Species. <i>American Naturalist</i> , 2005, 165, E126-E139.	2.1	154
3	Mitochondria and germ-cell death. <i>Nature</i> , 1999, 400, 125-126.	27.8	140
4	Robustness mechanisms in primate societies: a perturbation study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1091-1099.	2.6	111
5	Diversity, Dilemmas, and Monopolies of Niche Construction. <i>American Naturalist</i> , 2009, 173, 26-40.	2.1	93
6	The information theory of individuality. <i>Theory in Biosciences</i> , 2020, 139, 209-223.	1.4	65
7	The challenges and scope of theoretical biology. <i>Journal of Theoretical Biology</i> , 2011, 276, 269-276.	1.7	56
8	Control of finite critical behaviour in a small-scale social system. <i>Nature Communications</i> , 2017, 8, 14301.	12.8	44
9	Red Queen Dynamics of Protein Translation. <i>Journal of Theoretical Biology</i> , 2002, 218, 97-109.	1.7	30
10	A Family of Algorithms for Computing Consensus about Node State from Network Data. <i>PLoS Computational Biology</i> , 2013, 9, e1003109.	3.2	28
11	Dual Coding Theory Explains Biphasic Collective Computation in Neural Decision-Making. <i>Frontiers in Neuroscience</i> , 2017, 11, 313.	2.8	24
12	Defining genes: a computational framework. <i>Theory in Biosciences</i> , 2009, 128, 165-170.	1.4	22
13	Challenges for complexity measures: A perspective from social dynamics and collective social computation. <i>Chaos</i> , 2011, 21, 037108.	2.5	21
14	Conflicts of interest improve collective computation of adaptive social structures. <i>Science Advances</i> , 2018, 4, e1603311.	10.3	17
15	Module dynamics of the GnRH signal transduction network. <i>Journal of Theoretical Biology</i> , 2002, 218, 457-70.	1.7	17
16	Noisy clues to the origin of life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2423-2428.	2.6	11
17	The Multiple Paths to Multiple Life. <i>Journal of Molecular Evolution</i> , 2021, 89, 415-426.	1.8	11
18	Design specifications for cellular regulation. <i>Theory in Biosciences</i> , 2016, 135, 231-240.	1.4	6

#	ARTICLE	IF	CITATIONS
19	The Immuno-Dynamics of Conflict Intervention in Social Systems. PLoS ONE, 2011, 6, e22709.	2.5	6
20	Developmental autonomy and somatic niche construction promotes robust cell fate decisions. Journal of Theoretical Biology, 2008, 254, 408-416.	1.7	4
21	Collective Computation in Animal Fission-Fusion Dynamics. Frontiers in Robotics and AI, 2020, 7, 90.	3.2	3
22	The greater than twofold cost of integration for retroviruses. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1159-1163.	2.6	1
23	Institutional dynamics and learning networks. PLoS ONE, 2022, 17, e0267688.	2.5	1