

David C Krakauer

List of Publications by Year in descending order

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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	Institutional dynamics and learning networks. PLoS ONE, 2022, 17, e0267688.	2.5	1
2	The Multiple Paths to Multiple Life. Journal of Molecular Evolution, 2021, 89, 415-426.	1.8	11
3	Collective Computation in Animal Fission-Fusion Dynamics. Frontiers in Robotics and AI, 2020, 7, 90.	3.2	3
4	The information theory of individuality. Theory in Biosciences, 2020, 139, 209-223.	1.4	65
5	Conflicts of interest improve collective computation of adaptive social structures. Science Advances, 2018, 4, e1603311.	10.3	17
6	Control of finite critical behaviour in a small-scale social system. Nature Communications, 2017, 8, 14301.	12.8	44
7	Dual Coding Theory Explains Biphasic Collective Computation in Neural Decision-Making. Frontiers in Neuroscience, 2017, 11, 313.	2.8	24
8	Design specifications for cellular regulation. Theory in Biosciences, 2016, 135, 231-240.	1.4	6
9	A Family of Algorithms for Computing Consensus about Node State from Network Data. PLoS Computational Biology, 2013, 9, e1003109.	3.2	28
10	The challenges and scope of theoretical biology. Journal of Theoretical Biology, 2011, 276, 269-276.	1.7	56
11	Challenges for complexity measures: A perspective from social dynamics and collective social computation. Chaos, 2011, 21, 037108.	2.5	21
12	The Immuno-Dynamics of Conflict Intervention in Social Systems. PLoS ONE, 2011, 6, e22709.	2.5	6
13	Defining genes: a computational framework. Theory in Biosciences, 2009, 128, 165-170.	1.4	22
14	Diversity, Dilemmas, and Monopolies of Niche Construction. American Naturalist, 2009, 173, 26-40.	2.1	93
15	Developmental autonomy and somatic niche construction promotes robust cell fate decisions. Journal of Theoretical Biology, 2008, 254, 408-416.	1.7	4
16	Policing stabilizes construction of social niches in primates. Nature, 2006, 439, 426-429.	27.8	545
17	The greater than twofold cost of integration for retroviruses. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1159-1163.	2.6	1
18	Robustness mechanisms in primate societies: a perturbation study. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1091-1099.	2.6	111

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19	Social Structure, Robustness, and Policing Cost in a Cognitively Sophisticated Species. <i>American Naturalist</i> , 2005, 165, E126-E139.	2.1	154
20	Noisy clues to the origin of life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2423-2428.	2.6	11
21	Red Queen Dynamics of Protein Translation. <i>Journal of Theoretical Biology</i> , 2002, 218, 97-109.	1.7	30
22	Module dynamics of the GnRH signal transduction network. <i>Journal of Theoretical Biology</i> , 2002, 218, 457-70.	1.7	17
23	Mitochondria and germ-cell death. <i>Nature</i> , 1999, 400, 125-126.	27.8	140