

Daniel W Franks

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4709311/publications.pdf>

Version: 2024-02-01

41
papers

2,334
citations

304743

22
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

2248
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypothesis testing in animal social networks. <i>Trends in Ecology and Evolution</i> , 2011, 26, 502-507.	8.7	322
2	Ecological Knowledge, Leadership, and the Evolution of Menopause in Killer Whales. <i>Current Biology</i> , 2015, 25, 746-750.	3.9	271
3	Sampling animal association networks with the gambit of the group. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 493-503.	1.4	176
4	The evolution of prolonged life after reproduction. <i>Trends in Ecology and Evolution</i> , 2015, 30, 407-416.	8.7	175
5	Adaptive Prolonged Postreproductive Life Span in Killer Whales. <i>Science</i> , 2012, 337, 1313-1313.	12.6	163
6	Social network correlates of food availability in an endangered population of killer whales, <i>Orcinus orca</i> . <i>Animal Behaviour</i> , 2012, 83, 731-736.	1.9	139
7	Animal Social Network Theory Can Help Wildlife Conservation. <i>Trends in Ecology and Evolution</i> , 2017, 32, 567-577.	8.7	108
8	Reproductive Conflict and the Evolution of Menopause in Killer Whales. <i>Current Biology</i> , 2017, 27, 298-304.	3.9	85
9	Analyses of ovarian activity reveal repeated evolution of post-reproductive lifespans in toothed whales. <i>Scientific Reports</i> , 2018, 8, 12833.	3.3	67
10	Postreproductive lifespans are rare in mammals. <i>Ecology and Evolution</i> , 2018, 8, 2482-2494.	1.9	65
11	Fear of predation drives stable and differentiated social relationships in guppies. <i>Scientific Reports</i> , 2017, 7, 41679.	3.3	61
12	Postreproductive killer whale grandmothers improve the survival of their grandoffspring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26669-26673.	7.1	53
13	Common datastream permutations of animal social network data are not appropriate for hypothesis testing using regression models. <i>Methods in Ecology and Evolution</i> , 2021, 12, 255-265.	5.2	44
14	Social preferences and network structure in a population of reef manta rays. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	42
15	WARNING SIGNALS EVOLVE TO DISENGAGE BATESIAN MIMICS. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 256-267.	2.3	40
16	Efficiency and robustness of ant colony transportation networks. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 509-517.	1.4	38
17	Leading from the front? Social networks in navigating groups. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 835-843.	1.4	37
18	Linking behaviour to dynamics of populations and communities: application of novel approaches in behavioural ecology to conservation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190008.	4.0	33

#	ARTICLE	IF	CITATIONS
19	Exploration versus exploitation in polydomous ant colonies. <i>Journal of Theoretical Biology</i> , 2013, 323, 49-56.	1.7	32
20	The evolution of multicomponent mimicry. <i>Journal of Theoretical Biology</i> , 2007, 244, 631-639.	1.7	31
21	Resource redistribution in polydomous ant nest networks: local or global?. <i>Behavioral Ecology</i> , 2014, 25, 1183-1191.	2.2	31
22	THE EVOLUTION OF EXUBERANT VISIBLE POLYMORPHISMS. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2697-2706.	2.3	29
23	Kinship dynamics: patterns and consequences of changes in local relatedness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211129.	2.6	27
24	Measuring the complexity of social associations using mixture models. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	24
25	Calculating effect sizes in animal social network analysis. <i>Methods in Ecology and Evolution</i> , 2021, 12, 33-41.	5.2	23
26	Age and sex influence social interactions, but not associations, within a killer whale pod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210617.	2.6	21
27	Using social network analysis of mixed-species groups in African savannah herbivores to assess how community structure responds to environmental change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190009.	4.0	20
28	Alarm communication networks as a driver of community structure in African savannah herbivores. <i>Ecology Letters</i> , 2020, 23, 293-304.	6.4	20
29	A foundation for developing a methodology for social network sampling. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 1079-1088.	1.4	18
30	Multiple adaptive and non-adaptive processes determine responsiveness to heterospecific alarm calls in African savannah herbivores. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172676.	2.6	17
31	Ant colony nest networks adapt to resource disruption. <i>Journal of Animal Ecology</i> , 2021, 90, 143-152.	2.8	14
32	A long postreproductive life span is a shared trait among genetically distinct killer whale populations. <i>Ecology and Evolution</i> , 2021, 11, 9123-9136.	1.9	14
33	Ecological consequences of colony structure in dynamic ant nest networks. <i>Ecology and Evolution</i> , 2017, 7, 1170-1180.	1.9	12
34	The interrelationship between crypsis and colour polymorphism. <i>Ecology Letters</i> , 2011, 14, 295-300.	6.4	11
35	Fine-scale genetic structure reflects limited and coordinated dispersal in the colonial monk parakeet, <i>Myiopsitta monachus</i> . <i>Molecular Ecology</i> , 2021, 30, 1531-1544.	3.9	11
36	Mixture models as a method for comparative sociality: social networks and demographic change in resident killer whales. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	9

#	ARTICLE	IF	CITATIONS
37	The co-evolution of anti-predator polymorphisms in sympatric populations. <i>Biological Journal of the Linnean Society</i> , 2017, 122, 729-737.	1.6	7
38	How robust are neural network models of stimulus generalization?. <i>BioSystems</i> , 2008, 92, 175-181.	2.0	6
39	The costs and benefits of decentralization and centralization of ant colonies. <i>Behavioral Ecology</i> , 2019, 30, 1700-1706.	2.2	5
40	The effect of age, sex, and resource abundance on patterns of rake markings in resident killer whales (<i>Orcinus orca</i>). <i>Marine Biology</i> , 2018, 165, 185-195.	1.8	5
41	Accuracy and power analysis of social networks built from count data. <i>Methods in Ecology and Evolution</i> , 2022, 13, 157-166.	5.2	3