Damien Farine

List of Publications by Citations

130 papers	5,299 citations	38 h-index	70 g-index
151 ext. papers	6,980 ext. citations	5.7 avg, IF	6.78 L-index

#	Paper	IF	Citations
130	Experimentally induced innovations lead to persistent culture via conformity in wild birds. *Nature*, **2015**, 518, 538-41	50.4	468
129	Constructing, conducting and interpreting animal social network analysis. *Journal of Animal Ecology* , **2015**, 84, 1144-63	4.7	437
128	GROUP DECISIONS. Shared decision-making drives collective movement in wild baboons. *Science*, **2015**, 348, 1358-61	33.3	302
127	Social networks predict patch discovery in a wild population of songbirds. *Proceedings of the Royal Society B: Biological Sciences*, **2012**, 279, 4199-205	4.4	227
126	Individual personalities predict social behaviour in wild networks of great tits (Parus major). *Ecology Letters*, **2013**, 16, 1365-72	10	221
125	A guide to null models for animal social network analysis. *Methods in Ecology and Evolution*, **2017**, 8, 1309-1320	7.7	194
124	Animal social network inference and permutations for ecologists in R using asnipe. *Methods in Ecology and Evolution*, **2013**, 4, 1187-1194	7.7	177
123	Individual-level personality influences social foraging and collective behaviour in wild birds. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20141016	4.4	145
122	Measuring phenotypic assortment in animal social networks: weighted associations are more robust than binary edges. *Animal Behaviour*, **2014**, 89, 141-153	2.8	140
121	From Individuals to Groups and Back: The Evolutionary Implications of Group Phenotypic Composition. *Trends in Ecology and Evolution*, **2015**, 30, 609-621	10.9	130
120	Interspecific social networks promote information transmission in wild songbirds. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20142804	4.4	114
119	Consistent individual differences in the social phenotypes of wild great tits,. *Animal Behaviour*, **2015**, 108, 117-127	2.8	93
118	Social network analysis of mixed-species flocks: exploring the structure and evolution of interspecific social behaviour. *Animal Behaviour*, **2012**, 84, 1271-1277	2.8	88
117	Feeder use predicts both acquisition and transmission of a contagious pathogen in a North American songbird. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282,	4.4	82
116	Habitat and social factors shape individual decisions and emergent group structure during baboon collective movement. *ELife*, **2017**, 6,	8.9	81
115	Early-Life Stress Triggers Juvenile Zebra Finches to Switch Social Learning Strategies. *Current Biology*, **2015**, 25, 2184-8	6.3	76
114	Association indices for quantifying social relationships: how to deal with missing observations of individuals or groups. *Animal Behaviour*, **2018**, 136, 227-238	2.8	76

113	Phylogenetic community structure metrics and null models: a review with new methods and software. *Ecography*, **2017**, 40, 461-477	6.5	75
112	Proximity as a proxy for interactions: issues of scale in social network analysis. *Animal Behaviour*, **2015**, 104, e1-e5	2.8	73
111	Developmental stress predicts social network position. *Biology Letters*, **2014**, 10, 20140561	3.6	71
110	A practical guide for inferring reliable dominance hierarchies and estimating their uncertainty. *Journal of Animal Ecology*, **2018**, 87, 594-608	4.7	70
109	An assessment of biomass for bioelectricity and biofuel, and for greenhouse gas emission reduction in Australia. *GCB Bioenergy*, **2012**, 4, 148-175	5.6	67
108	Environment modulates population social structure: experimental evidence from replicated social networks of wild lizards. *Animal Behaviour*, **2016**, 111, 23-31	2.8	66
107	Inferring social structure from temporal data. *Behavioral Ecology and Sociobiology*, **2015**, 69, 857-866	2.5	64
106	The role of habitat configuration in shaping social structure: a gap in studies of animal social complexity. *Behavioral Ecology and Sociobiology*, **2019**, 73, 1	2.5	63
105	The role of social and ecological processes in structuring animal populations: a case study from automated tracking of wild birds. *Royal Society Open Science*, **2015**, 2, 150057	3.3	59
104	Inferring influence and leadership in moving animal groups. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	59
103	Selection for territory acquisition is modulated by social network structure in a wild songbird. *Journal of Evolutionary Biology*, **2015**, 28, 547-56	2.3	58
102	Collective decision making and social interaction rules in mixed-species flocks of songbirds. *Animal Behaviour*, **2014**, 95, 173-182	2.8	56
101	Experimental Evidence that Social Relationships Determine Individual Foraging Behavior. *Current Biology*, **2015**, 25, 3138-43	6.3	55
100	Estimating the robustness and uncertainty of animal social networks using different observational methods. *Animal Behaviour*, **2018**, 141, 29-44	2.8	51
99	Individual variation in local interaction rules can explain emergent patterns of spatial organization in wild baboons. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	46
98	Mixed company: a framework for understanding the composition and organization of mixed-species animal groups. *Biological Reviews*, **2020**, 95, 889-910	13.5	46
97	When to choose dynamic vs. static social network analysis. *Journal of Animal Ecology*, **2018**, 87, 128-138	4.7	46
96	Measuring the robustness of network community structure using assortativity. *Animal Behaviour*, **2016**, 112, 237-246	2.8	44

95	Social organisation of thornbill-dominated mixed-species flocks using social network analysis. *Behavioral Ecology and Sociobiology*, **2013**, 67, 321-330	2.5	42
94	Estimating uncertainty and reliability of social network data using Bayesian inference. *Royal Society Open Science*, **2015**, 2, 150367	3.3	41
93	Experimental disturbances reveal group-level costs of social instability. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	39
92	An automated barcode tracking system for behavioural studies in birds. *Methods in Ecology and Evolution*, **2018**, 9, 1536-1547	7.7	38
91	Pathways of information transmission among wild songbirds follow experimentally imposed changes in social foraging structure. *Biology Letters*, **2016**, 12,	3.6	37
90	Social bet-hedging in vampire bats. *Biology Letters*, **2017**, 13,	3.6	35
89	Both Nearest Neighbours and Long-term Affiliates Predict Individual Locations During Collective Movement in Wild Baboons. *Scientific Reports*, **2016**, 6, 27704	4.9	35
88	Kinship, association, and social complexity in bats. *Behavioral Ecology and Sociobiology*, **2019**, 73, 1	2.5	34
87	The multilevel society of a small-brained bird. *Current Biology*, **2019**, 29, R1120-R1121	6.3	34
86	Development of New Food-Sharing Relationships in Vampire Bats. *Current Biology*, **2020**, 30, 1275-1279.e3	6.3	33
85	Social Barriers in Ecological Landscapes: The Social Resistance Hypothesis. *Trends in Ecology and Evolution*, **2020**, 35, 137-148	10.9	30
84	A contact-based social network of lizards is defined by low genetic relatedness among strongly connected individuals. *Animal Behaviour*, **2014**, 97, 35-43	2.8	29
83	Assortment and the analysis of natural selection on social traits. *Evolution; International Journal of Organic Evolution*, **2017**, 71, 2693-2702	3.8	29
82	Counting conformity: evaluating the units of information in frequency-dependent social learning. *Animal Behaviour*, **2015**, 110, e5-e8	2.8	29
81	Deep learning-based methods for individual recognition in small birds. *Methods in Ecology and Evolution*, **2020**, 11, 1072-1085	7.7	29
80	Feeder density enhances house finch disease transmission in experimental epidemics. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	25
79	Individual variation in winter supplementary food consumption and its consequences for reproduction in wild birds. *Journal of Avian Biology*, **2016**, 47, 678-689	1.9	25
78	The importance of individual-to-society feedbacks in animal ecology and evolution. *Journal of Animal Ecology*, **2021**, 90, 27-44	4.7	24

77	A multidimensional framework for studying social predation strategies. *Nature Ecology and Evolution*, **2017**, 1, 1230-1239	12.3	23
76	The early bird gets the worm: foraging strategies of wild songbirds lead to the early discovery of food sources. *Biology Letters*, **2013**, 9, 20130578	3.6	23
75	Linking the fine-scale social environment to mating decisions: a future direction for the study of extra-pair paternity. *Biological Reviews*, **2018**, 93, 1558-1577	13.5	22
74	Male great tits assort by personality during the breeding season. *Animal Behaviour*, **2017**, 128, 21-32	2.8	21
73	Simple foraging rules in competitive environments can generate socially structured populations. *Ecology and Evolution*, **2018**, 8, 4978-4991	2.8	20
72	Exploratory behavior is linked to stress physiology and social network centrality in free-living house finches (Haemorhous mexicanus). *Hormones and Behavior*, **2018**, 102, 105-113	3.7	20
71	Social structure modulates the evolutionary consequences of social plasticity: A social network perspective on interacting phenotypes. *Ecology and Evolution*, **2018**, 8, 1451-1464	2.8	18
70	Stress hormones, social associations and song learning in zebra finches. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	17
69	Biofuel excision and the viability of ethanol production in the Green Triangle, Australia. *Energy Policy*, **2011**, 39, 1951-1957	7.2	16
68	Wild zebra finches that nest synchronously have long-term stable social ties. *Journal of Animal Ecology*, **2021**, 90, 76-86	4.7	16
67	Early-life social environment predicts social network position in wild zebra finches. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20182579	4.4	14
66	Winter associations predict social and extra-pair mating patterns in a wild songbird. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20192606	4.4	14
65	Proximity to humans affects local social structure in a giraffe metapopulation. *Journal of Animal Ecology*, **2021**, 90, 212-221	4.7	14
64	Challenges in assessing the roles of nepotism and reciprocity in cooperation networks. *Animal Behaviour*, **2019**, 150, 255-271	2.8	13
63	Mixed-species associations can arise without heterospecific attraction. *Behavioral Ecology*, **2014**, 25, 574-581	2.3	13
62	Group size and composition influence collective movement in a highly social terrestrial bird. *ELife*, **2020**, 9,	8.9	13
61	A primer on the relationship between group size and group performance. *Animal Behaviour*, **2020**, 166, 139-146	2.8	13
60	Shared decision-making allows subordinates to lead when dominants monopolize resources. *Science Advances*, **2020**, 6,	14.3	13

59	Familiarity drives social philopatry in an obligate colonial breeder with weak interannual breeding-site fidelity. *Animal Behaviour*, **2017**, 124, 125-133	2.8	12
58	The dynamics of transmission and the dynamics of networks. *Journal of Animal Ecology*, **2017**, 86, 415-418	4.7	12
57	Camera traps provide a robust alternative to direct observations for constructing social networks of wild chimpanzees. *Animal Behaviour*, **2019**, 157, 227-238	2.8	12
56	GPS-identified, low-level nocturnal activity of vervets (Chlorocebus pygerythrus) and olive baboons (Papio anubis) in Laikipia, Kenya. *American Journal of Physical Anthropology*, **2017**, 164, 203-211	2.5	11
55	The potential impacts of the songbird trade on mixed-species flocking. *Biological Conservation*, **2018**, 222, 222-231	6.2	10
54	Watching grass grow in Australia: is there sufficient production potential for a biofuel industry?. *Biofuels, Bioproducts and Biorefining*, **2012**, 6, 257-268	5.3	10
53	A practical guide for inferring reliable dominance hierarchies and estimating their uncertainty		10
52	Connecting the data landscape of long-term ecological studies: The SPI-Birds data hub. *Journal of Animal Ecology*, **2021**, 90, 2147-2160	4.7	9
51	Temporal activity patterns of predators and prey across broad geographic scales. *Behavioral Ecology*, **2019**, 30, 172-180	2.3	9
50	Sociability increases survival of adult female giraffes. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20202770	4.4	9
49	Sigmoidal Acquisition Curves Are Good Indicators of Conformist Transmission. *Scientific Reports*, **2018**, 8, 14015	4.9	9
48	A framework for conceptualizing dimensions of social organization in mammals. *Ecology and Evolution*, **2020**, 10, 791-807	2.8	8
47	Efficient movement strategies mitigate the energetic cost of dispersal. *Ecology Letters*, **2021**, 24, 1432-1442	4.6	8
46	Coordination Event Detection and Initiator Identification in Time Series Data. *ACM Transactions on Knowledge Discovery From Data*, **2018**, 12, 1-33	4	8
45	Diurnal variation in the production of vocal information about food supports a model of social adjustment in wild songbirds. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20182740	4.4	7
44	Social and spatial effects on genetic variation between foraging flocks in a wild bird population. *Molecular Ecology*, **2017**, 26, 5807-5819	5.7	7
43	Opportunities for energy efficiency and biofuel production in Australian wheat farming systems. *Biofuels*, **2010**, 1, 547-561	2	7
42	Costs dictate strategic investment in dominance interactions.. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2022**, 377, 20200447	5.8	7

41	How to make methodological decisions when inferring social networks. *Ecology and Evolution*, **2020**, 10, 9132-9143	2.8	7
40	Social network architecture and the tempo of cumulative cultural evolution. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20203107	4.4	7
39	Permutation tests for hypothesis testing with animal social network data: Problems and potential solutions. *Methods in Ecology and Evolution*,	7.7	6
38	Stable multi-level social structure is maintained by habitat geometry in a wild bird population		6
37	Structural trade-offs can predict rewiring in shrinking social networks. *Journal of Animal Ecology*, **2021**, 90, 120-130	4.7	6
36	Mapping illegal wildlife trade networks provides new opportunities for conservation actions. *Animal Conservation*, **2020**, 23, 145-146	3.2	5
35	Spurious inference when comparing networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 16674-16675	11.5	5
34	How feedback and feed-forward mechanisms link determinants of social dominance		5
33	Movement and conformity interact to establish local behavioural traditions in animal populations. *PLoS Computational Biology*, **2018**, 14, e1006647	5	5
32	Complex foraging behaviours in wild birds emerge from social learning and recombination of components.. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2022**, 377, 20200307	5.8	5
31	Information use in foraging flocks of songbirds: no evidence for social transmission of patch quality. *Animal Behaviour*, **2020**, 165, 35-41	2.8	4
30	The importance of individual-to-society feedbacks in animal ecology and evolution		4
29	Permutation tests for hypothesis testing with animal social network data: problems and potential solutions		4
28	Effect of ecological factors on fine-scale patterns of social structure in African lions. *Journal of Animal Ecology*, **2020**, 89, 2665-2676	4.7	4
27	Do Sigmoidal Acquisition Curves Indicate Conformity?		3
26	Social network architecture and the tempo of cumulative cultural evolution		3
25	Socially Defined Subpopulations Reveal Demographic Variation in a Giraffe Metapopulation. *Journal of Wildlife Management*, **2021**, 85, 920	1.9	3
24	Food discovery is associated with different reliance on social learning and lower cognitive flexibility across environments in a food-caching bird. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20202843	4.4	3

23	Hierarchically embedded interaction networks represent a missing link in the study of behavioral and community ecology. *Behavioral Ecology*, **2020**, 31, 279-286	2.3	3
22	Seasonality impacts collective movements in a wild group-living bird. *Movement Ecology*, **2021**, 9, 38	4.6	3
21	Deep learning-based methods for individual recognition in small birds		2
20	Association indices for quantifying social relationships: how to deal with missing observations of individuals or groups		2
19	Development of new food-sharing relationships among nonkin vampire bats		2
18	Spurious inference when comparing networks		2
17	Multilevel Societies in Birds. *Trends in Ecology and Evolution*, **2021**, 36, 15-17	10.9	2
16	Drivers of alloparental provisioning of fledglings in a colonially breeding bird. *Behavioral Ecology*, **2021**, 32, 316-326	2.3	2
15	Leaving by staying: Social dispersal in giraffes. *Journal of Animal Ecology*,	4.7	2
14	The wisdom of baboon decisionsResponse. *Science*, **2015**, 349, 935-6	33.3	1
13	Season-specific carryover of early life associations in a monogamous bird species. *Animal Behaviour*, **2020**, 164, 25-37	2.8	1
12	Risk Factors Associated with Uterine Rupture and Dehiscence: A Cross-Sectional Canadian Study. *Revista Brasileira De Ginecologia E Obstetricia*, **2021**, 43, 820-825	1.1	1
11	Relationship quality underpins pair bond formation and subsequent reproductive performance. *Animal Behaviour*, **2021**, 182, 43-58	2.8	1
10	Social network position predicts male mating success in a small passerine. *Behavioral Ecology*, **2021**, 32, 856-864	2.3	1
9	Costs dictate strategic investment in dominance interactions		1
8	The role of habitat configuration in shaping animal population processes: a framework to generate quantitative predictions. *Oecologia*, **2021**, 196, 649-665	2.9	1
7	Demographic processes in animal networks are a question of time: a comment on Shizuka and Johnson. *Behavioral Ecology*, **2020**, 31, 12-13	2.3	1
6	Wild female vervet monkeys change grooming patterns and partners when freed from feeding constraints. *Animal Behaviour*, **2021**, 181, 117-117	2.8	1

5	Machine learning reveals cryptic dialects that explain mate choice in a songbird.. *Nature Communications*, **2022**, 13, 1630	17.4	1
4	The social transmission of stress in animal collectives.. *Proceedings of the Royal Society B: Biological Sciences*, **2022**, 289, 20212158	4.4	1
3	Collective behaviour: Movement rules under imminent threat. *Current Biology*, **2021**, 31, R902-R904	6.3	
2	Observation of a black-cheeked waxbill () cleaning a Kirkʂ dik-dik ().. *Ecology and Evolution*, **2022**, 12, e8506	2.8	
1	Collective behaviour: Jackdaws vote to leave with their voice. *Current Biology*, **2022**, 32, R467-R469	6.3	