

Noa Pinter-Wollman

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,509
citations

257101

24
h-index

223531

46
g-index

78
all docs

78
docs citations

78
times ranked

2052
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavioural syndromes and social insects: personality at multiple levels. <i>Biological Reviews</i> , 2014, 89, 48-67.	4.7	268
2	Large brains and cognition: Where do elephants fit in?. <i>Neuroscience and Biobehavioral Reviews</i> , 2008, 32, 86-98.	2.9	155
3	The effect of individual variation on the structure and function of interaction networks in harvester ants. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1562-1573.	1.5	134
4	The use of multilayer network analysis in animal behaviour. <i>Animal Behaviour</i> , 2019, 149, 7-22.	0.8	116
5	Harvester ants use interactions to regulate forager activation and availability. <i>Animal Behaviour</i> , 2013, 86, 197-207.	0.8	105
6	How is activity distributed among and within tasks in <i>Temnothorax</i> ants?. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1407-1420.	0.6	101
7	The impact of the built environment on health behaviours and disease transmission in social systems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170245.	1.8	95
8	Assessing translocation outcome: Comparing behavioral and physiological aspects of translocated and resident African elephants (<i>Loxodonta africana</i>). <i>Biological Conservation</i> , 2009, 142, 1116-1124.	1.9	93
9	Individual variation in exploratory behaviour improves speed and accuracy of collective nest selection by Argentine ants. <i>Animal Behaviour</i> , 2014, 93, 261-266.	0.8	93
10	Personality in social insects: How does worker personality determine colony personality?. <i>Environmental Epigenetics</i> , 2012, 58, 580-588.	0.9	89
11	Observing the unwatchable: Integrating automated sensing, naturalistic observations and animal social network analysis in the age of big data. <i>Journal of Animal Ecology</i> , 2021, 90, 62-75.	1.3	66
12	Can Multilayer Networks Advance Animal Behavior Research?. <i>Trends in Ecology and Evolution</i> , 2018, 33, 376-378.	4.2	62
13	The relationship between social behaviour and habitat familiarity in African elephants (<i>Loxodonta</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 1.2 61		
14	Nest site and weather affect the personality of harvester ant colonies. <i>Behavioral Ecology</i> , 2012, 23, 1022-1029.	1.0	60
15	Nest architecture shapes the collective behaviour of harvester ants. <i>Biology Letters</i> , 2015, 11, .	1.0	51
16	Harvester Ant Colony Variation in Foraging Activity and Response to Humidity. <i>PLoS ONE</i> , 2013, 8, e63363.	1.1	50
17	Interactions with Combined Chemical Cues Inform Harvester Ant Foragers' Decisions to Leave the Nest in Search of Food. <i>PLoS ONE</i> , 2013, 8, e52219.	1.1	49
18	Individual learning phenotypes drive collective behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17949-17956.	3.3	41

#	ARTICLE	IF	CITATIONS
19	Individual differences in learning and biogenic amine levels influence the behavioural division between foraging honeybee scouts and recruits. <i>Journal of Animal Ecology</i> , 2019, 88, 236-246.	1.3	39
20	Persistent variation in spatial behavior affects the structure and function of interaction networks. <i>Environmental Epigenetics</i> , 2015, 61, 98-106.	0.9	37
21	The impact of architecture on collective behaviour. <i>Nature Ecology and Evolution</i> , 2017, 1, 111.	3.4	37
22	Individual differences in boldness influence patterns of social interactions and the transmission of cuticular bacteria among group-mates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160457.	1.2	35
23	Social tipping points in animal societies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181282.	1.2	32
24	Spatial behaviour of translocated African elephants (<i>Loxodonta africana</i>) in a novel environment: using behaviour to inform conservation actions. <i>Behaviour</i> , 2009, 146, 1171-1192.	0.4	29
25	A guide to choosing and implementing reference models for social network analysis. <i>Biological Reviews</i> , 2021, 96, 2716-2734.	4.7	29
26	A Multiscale Review of Behavioral Variation in Collective Foraging Behavior in Honey Bees. <i>Insects</i> , 2019, 10, 370.	1.0	28
27	The legacy effects of keystone individuals on collective behaviour scale to how long they remain within a group. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151766.	1.2	25
28	Task allocation and site fidelity jointly influence foraging regulation in honeybee colonies. <i>Royal Society Open Science</i> , 2017, 4, 170344.	1.1	25
29	Social interactions shape individual and collective personality in social spiders. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181366.	1.2	24
30	Interactions Increase Forager Availability and Activity in Harvester Ants. <i>PLoS ONE</i> , 2015, 10, e0141971.	1.1	23
31	Interdisciplinary approaches for uncovering the impacts of architecture on collective behaviour. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170232.	1.8	23
32	The Achilles' heel hypothesis: misinformed keystone individuals impair collective learning and reduce group success. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152888.	1.2	22
33	A search for principles of disability using experimental impairment of <i>Drosophila melanogaster</i> . <i>Experimental Gerontology</i> , 2007, 42, 166-172.	1.2	21
34	The Effect of Keystone Individuals on Collective Outcomes Can Be Mediated through Interactions or Behavioral Persistence. <i>American Naturalist</i> , 2016, 188, 240-252.	1.0	21
35	Participation in cooperative prey capture and the benefits gained from it are associated with individual personality. <i>Environmental Epigenetics</i> , 2016, 63, zow097.	0.9	21
36	Replacing bold individuals has a smaller impact on group performance than replacing shy individuals. <i>Behavioral Ecology</i> , 2017, 28, 883-889.	1.0	21

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37	Selection for Collective Aggressiveness Favors Social Susceptibility in Social Spiders. <i>Current Biology</i> , 2018, 28, 100-105.e4.	1.8	21
38	Higher-Order Interactions: Understanding the knowledge capacity of social groups using simplicial sets. <i>Environmental Epigenetics</i> , 2015, 61, 114-127.	0.9	18
39	Personality composition alters the transmission of cuticular bacteria in social groups. <i>Biology Letters</i> , 2016, 12, 20160297.	1.0	18
40	Behavioral Hypervolumes of Predator Groups and Predator-Predator Interactions Shape Prey Survival Rates and Selection on Prey Behavior. <i>American Naturalist</i> , 2017, 189, 254-266.	1.0	18
41	The effect of individual learning on collective foraging in honey bees in differently structured landscapes. <i>Animal Behaviour</i> , 2021, 179, 113-123.	0.8	18
42	Humanâ€“Elephant Conflict in Africa: The Legal and Political Viability of Translocations, Wildlife Corridors, and Transfrontier Parks for Large Mammal Conservation. <i>Journal of International Wildlife Law and Policy</i> , 2012, 15, 152-166.	0.3	17
43	Comparative Genomics Identifies Putative Signatures of Sociality in Spiders. <i>Genome Biology and Evolution</i> , 2020, 12, 122-133.	1.1	16
44	CAN AGGRESSION BE THE FORCE DRIVING TEMPORAL SEPARATION BETWEEN COMPETING COMMON AND GOLDEN SPINY MICE?. <i>Journal of Mammalogy</i> , 2006, 87, 48-53.	0.6	15
45	Behavioural hypervolumes of spider communities predict community performance and disbandment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161409.	1.2	14
46	The primary case is not enough: Variation among individuals, groups and social networks modify bacterial transmission dynamics. <i>Journal of Animal Ecology</i> , 2018, 87, 369-378.	1.3	14
47	The multidimensional behavioural hypervolumes of two interacting species predict their space use and survival. <i>Animal Behaviour</i> , 2017, 132, 129-136.	0.8	13
48	Exposure to predators reduces collective foraging aggressiveness and eliminates its relationship with colony personality composition. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	0.6	13
49	Underlying mechanisms and ecological context of variation in exploratory behavior of the Argentine ant, <i>Linepithema humile</i> . <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	12
50	Identifying robustness in the regulation of collective foraging of ant colonies using an interaction-based model with backward bifurcation. <i>Journal of Theoretical Biology</i> , 2015, 367, 61-75.	0.8	11
51	Collective behavior and colony persistence of social spiders depends on their physical environment. <i>Behavioral Ecology</i> , 2019, 30, 39-47.	1.0	10
52	Using multilayer network analysis to explore the temporal dynamics of collective behavior. <i>Environmental Epigenetics</i> , 2021, 67, 71-80.	0.9	9
53	Understanding Drivers of Variation and Predicting Variability Across Levels of Biological Organization. <i>Integrative and Comparative Biology</i> , 2021, , .	0.9	8
54	A reproductive heir has a central position in multilayer social networks of paper wasps. <i>Animal Behaviour</i> , 2022, 185, 21-36.	0.8	8

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55	The effect of resource availability on interspecific competition between a native and an invasive ant. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20210146.	1.8	8
56	Variation in nest relocation of harvester ants is affected by population density and food abundance. <i>Behavioral Ecology</i> , 2015, 26, 1569-1576.	1.0	7
57	Collective responses to heterospecifics emerge from individual differences in aggression. <i>Behavioral Ecology</i> , 2019, 30, 801-808.	1.0	7
58	Harvester ant nest architecture is more strongly affected by intrinsic than extrinsic factors. <i>Behavioral Ecology</i> , 2022, 33, 644-653.	1.0	7
59	Experimental evidence of frequency-dependent selection on group behaviour. <i>Nature Ecology and Evolution</i> , 2019, 3, 702-707.	3.4	6
60	Resting networks and personality predict attack speed in social spiders. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	0.6	5
61	Trade-offs between fighting and breeding: a social network analysis of bison male interactions. <i>Journal of Mammalogy</i> , 2021, 102, 504-519.	0.6	5
62	Spatial proximity and prey vibratory cues influence collective hunting in social spiders. <i>Israel Journal of Ecology and Evolution</i> , 2020, 66, 26-31.	0.2	4
63	Proximate and ultimate processes may explain "task syndromes": a comment on Loftus et al.. <i>Behavioral Ecology</i> , 2021, 32, 22-23.	1.0	4
64	Physical and social cues shape nest-site preference and prey capture behavior in social spiders. <i>Behavioral Ecology</i> , 2020, 31, 627-632.	1.0	3
65	Modularity and connectivity of nest structure scale with colony size. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 101-113.	1.1	3
66	Placing the effects of demography on networks in ecological context: a comment on Shizuka and Johnson. <i>Behavioral Ecology</i> , 2019, , .	1.0	2
67	Predictors of colony extinction vary by habitat type in social spiders. <i>Behavioral Ecology and Sociobiology</i> , 2020, 74, 1.	0.6	2
68	Queen succession in the Indian paper wasp <i>Ropalidia marginata</i> : On the trail of the potential queen. <i>Journal of Biosciences</i> , 2022, 47, 1.	0.5	2
69	Better safe than sorry: spider societies mitigate risk by prioritizing caution. <i>Behavioral Ecology</i> , 2019, 30, 1234-1241.	1.0	1
70	Exploring Animal Social Networks. By Darren P. Croft, Richard James, and Jens Krause. Princeton (New) University Press, 2018. 9780691127514 (hc); 9780691127521 (pb). 2008.. <i>Quarterly Review of Biology</i> , 2009, 84, 99-100.	0.0	0
71	<i>Social Behavior and Interactions</i> . , 2019, , 319-327.		0