James E Herbert-Read

List of Publications by Year
in descending order

46 papers	2,229 citations	331670 21 h-index	243625 44 g-index
51 all docs	51 docs citations	51 times ranked	2011 citing authors

#	Article	IF	Citations
1	Inferring the rules of interaction of shoaling fish. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18726-18731.	7.1	459
2	Fast and accurate decisions through collective vigilance in fish shoals. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2312-2315.	7.1	302
3	Understanding how animal groups achieve coordinated movement. Journal of Experimental Biology, 2016, 219, 2971-2983.	1.7	155
4	The role of individuality in collective group movement. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122564.	2.6	138
5	How predation shapes the social interaction rules of shoaling fish. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171126.	2.6	120
6	Initiation and spread of escape waves within animal groups. Royal Society Open Science, 2015, 2, 140355.	2.4	91
7	Proto-cooperation: group hunting sailfish improve hunting success by alternating attacks on grouping prey. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161671.	2.6	85
8	Anthropogenic noise pollution from pile-driving disrupts the structure and dynamics of fish shoals. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171627.	2.6	70
9	Consistency of Leadership in Shoals of Mosquitofish (Gambusia holbrooki) in Novel and in Familiar Environments. PLoS ONE, 2012, 7, e36567.	2.5	55
10	Predators attacking virtual prey reveal the costs and benefits of leadership. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8925-8930.	7.1	54
11	The Evolution of Lateralization in Group Hunting Sailfish. Current Biology, 2017, 27, 521-526.	3.9	48
12	Information can explain the dynamics of group order in animal collective behaviour. Nature Communications, 2020, 11, 2737.	12.8	44
13	Quantifying the structure and dynamics of fish shoals under predation threat in three dimensions. Behavioral Ecology, 2020, 31, 311-321.	2.2	42
14	Multi-scale Inference of Interaction Rules in Animal Groups Using Bayesian Model Selection. PLoS Computational Biology, 2013, 9, e1002961.	3.2	39
15	Group structure in a restricted entry system is mediated by both resident and joiner preferences. Behavioral Ecology and Sociobiology, 2010, 64, 1099-1106.	1.4	34
16	Not So Fast: Swimming Behavior of Sailfish during Predator–Prey Interactions using High-Speed Video and Accelerometry. Integrative and Comparative Biology, 2015, 55, 719-727.	2.0	33
17	Local interactions and global properties of wild, free-ranging stickleback shoals. Royal Society Open Science, 2017, 4, 170043.	2.4	30
18	Injury-mediated decrease in locomotor performance increases predation risk in schooling fish. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160232.	4.0	28

#	Article	IF	Citations
19	Body size affects the strength of social interactions and spatial organization of a schooling fish (<i>Pseudomugil signifer</i>). Royal Society Open Science, 2017, 4, 161056.	2.4	28
20	Initiators, Leaders, and Recruitment Mechanisms in the Collective Movements of Damselfish. American Naturalist, 2013, 181, 748-760.	2.1	27
21	A global horizon scan of issues impacting marine and coastal biodiversity conservation. Nature Ecology and Evolution, 2022, 6, 1262-1270.	7.8	27
22	Paternal personality and social status influence offspring activity in zebrafish. BMC Evolutionary Biology, 2017, 17, 157.	3.2	25
23	Using activity and sociability to characterize collective motion. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170015.	4.0	25
24	Rapid evolution of coordinated and collective movement in response to artificial selection. Science Advances, 2020, 6, .	10.3	25
25	Sensory ecology in a changing world: salinity alters conspecific recognition in an amphidromous fish, Pseudomugil signifer. Behavioral Ecology and Sociobiology, 2010, 64, 1107-1115.	1.4	21
26	Context-dependent lateralized feeding strategies in blue whales. Current Biology, 2017, 27, R1206-R1208.	3.9	21
27	Collective decision-making appears more egalitarian in populations where group fission costs are higher. Biology Letters, 2019, 15, 20190556.	2.3	19
28	The Personality Behind Cheating: Behavioural Types and the Feeding Ecology of Cleaner Fish. Ethology, 2014, 120, 904-912.	1.1	18
29	A statistical method for identifying different rules of interaction between individuals in moving animal groups. Journal of the Royal Society Interface, 2021, 18, 20200925.	3.4	15
30	Diets and decisions: the potential use of food protein cues in dietary, sexual and social decisions by mosquitofish. Animal Behaviour, 2011, 82, 783-790.	1.9	14
31	Linking hunting weaponry to attack strategies in sailfish and striped marlin. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192228.	2.6	14
32	Contrasting stripes are a widespread feature of group living in birds, mammals and fishes. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202021.	2.6	13
33	Escape path complexity and its context dependency in Pacific blue-eyes (Pseudomugil signifer). Journal of Experimental Biology, 2017, 220, 2076-2081.	1.7	12
34	Assortative interactions revealed by sorting of animal groups. Animal Behaviour, 2018, 142, 165-179.	1.9	12
35	Maternal predation risk increases offspring's exploration but does not affect schooling behavior. Behavioral Ecology, 2020, 31, 1207-1217.	2.2	12
36	Fine-scale behavioural adjustments of prey on a continuum of risk. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190448.	2.6	11

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37	A Turing test for collective motion. Biology Letters, 2015, 11, 20150674.	2.3	10
38	Multi-scale Inference of Interaction Rules in Animal Groups Using Bayesian Model Selection. PLoS Computational Biology, 2012, 8, e1002308.	3.2	10
39	Collective Behaviour: Leadership and Learning in Flocks. Current Biology, 2015, 25, R1127-R1129.	3.9	9
40	Guppies occupy consistent positions in social networks: mechanisms and consequences. Behavioral Ecology, 0, , arw177.	2.2	8
41	The measure of spatial position within groups that best predicts predation risk depends on group movement. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211286.	2.6	8
42	Fish Avoid Visually Noisy Environments Where Prey Targeting Is Reduced. American Naturalist, 2021, 198, 421-432.	2.1	7
43	Social Behaviour: The Personalities of Groups. Current Biology, 2017, 27, R1015-R1017.	3.9	3
44	Dynamic visual noise promotes social attraction, but does not affect group size preference, in a shoaling fish. Animal Behaviour, 2021, 177, 39-48.	1.9	1
45	Spatial clustering of trumpetfish shadowing behaviour in the Caribbean Sea revealed by citizen science. Marine Biology, 2022, 169, 1.	1.5	1
46	Prawns and probability. , 2012, , .		0