

Ashley J W Ward

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

6,740
citations

71061

41
h-index

71651

76
g-index

121
all docs

121
docs citations

121
times ranked

4844
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-organization and information transfer in Antarctic krill swarms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212361.	1.2	7
2	Locomotion, interactions and information transfer vary according to context in a cryptic fish species. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	0.6	7
3	A statistical method for identifying different rules of interaction between individuals in moving animal groups. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200925.	1.5	15
4	The effect of predation risk on group behaviour and information flow during repeated collective decisions. <i>Animal Behaviour</i> , 2021, 173, 215-239.	0.8	9
5	Social rank and not physiological capacity determines competitive success in zebrafish (<i>Danio rerio</i>). <i>Journal of Animal Ecology</i> , 2021, 90, 1023-1034.	1.1	4
6	Social context affects camouflage in a cryptic fish species. <i>Royal Society Open Science</i> , 2021, 8, 211125.	1.1	4
7	Quantifying the structure and dynamics of fish shoals under predation threat in three dimensions. <i>Behavioral Ecology</i> , 2020, 31, 311-321.	1.0	42
8	Social Recognition and Social Attraction in Group-Living Fishes. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	30
9	To clean or not to clean: Cleaning mutualism breakdown in a tidal environment. <i>Ecology and Evolution</i> , 2020, 10, 3043-3054.	0.8	8
10	Locomotion and habituation to novel experimental environments in a social fish species. <i>Behaviour</i> , 2020, 157, 1007-1023.	0.4	5
11	Mid-sized groups perform best in a collective decision task in sticklebacks. <i>Biology Letters</i> , 2019, 15, 20190335.	1.0	7
12	Speed-mediated properties of schooling. <i>Royal Society Open Science</i> , 2019, 6, 181482.	1.1	25
13	Fine-scale behavioural adjustments of prey on a continuum of risk. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190448.	1.2	11
14	Behavioural interdependence in a shrimp-goby mutualism. <i>Journal of Zoology</i> , 2019, 308, 274-279.	0.8	2
15	Risk balancing through selective use of social and physical information: a case study in the humbug damselfish. <i>Journal of Zoology</i> , 2019, 308, 235-242.	0.8	7
16	Conformity in the collective: differences in hunger affect individual and group behavior in a shoaling fish. <i>Behavioral Ecology</i> , 2019, 30, 968-974.	1.0	14
17	Re-wilding Collective Behaviour: An Ecological Perspective. <i>Trends in Ecology and Evolution</i> , 2018, 33, 347-357.	4.2	73
18	The physiology of leadership in fish shoals: leaders have lower maximal metabolic rates and lower aerobic scope. <i>Journal of Zoology</i> , 2018, 305, 73-81.	0.8	13

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19	Cohesion, order and information flow in the collective motion of mixed-species shoals. Royal Society Open Science, 2018, 5, 181132.	1.1	39
20	Collective decision making in guppies: a cross-population comparison study in the wild. Behavioral Ecology, 2017, 28, 919-924.	1.0	16
21	Escape path complexity and its context dependency in Pacific blue-eyes (<i>Pseudomugil signifer</i>). Journal of Experimental Biology, 2017, 220, 2076-2081.	0.8	12
22	Familiarity affects collective motion in shoals of guppies (<i>Poecilia reticulata</i>). Royal Society Open Science, 2017, 4, 170312.	1.1	20
23	The role of biotic and abiotic cues in stimulating aggregation by larval cane toads (<i>Rhinella</i>). Tj ETQq1 1 0.784314 rgBT / Overlock 107	0.5	7
24	Local interactions and global properties of wild, free-ranging stickleback shoals. Royal Society Open Science, 2017, 4, 170043.	1.1	30
25	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.	1.1	28
26	The effects of external cues on individual and collective behavior of shoaling fish. Science Advances, 2017, 3, e1603201.	4.7	82
27	Interactions between <i>Plagiotremus</i> spp., <i>Labroides dimidiatus</i> and their clients: evidence for behavioural niche partitioning. Journal of Fish Biology, 2017, 90, 424-434.	0.7	1
28	Behavioural consistency and group conformity in humbug damselfish. Behaviour, 2017, 154, 1343-1359.	0.4	3
29	Group foraging decisions in nutritionally differentiated environments. Functional Ecology, 2016, 30, 1638-1647.	1.7	5
30	Sociality: The Behaviour of Group-Living Animals. , 2016, , .		269
31	Development, Ontogeny and Parasite-Mediated Changes in Social Behaviour. , 2016, , 175-190.		1
32	Mechanisms: Social Recognition and Social Organisation. , 2016, , 9-27.		4
33	Distributions of Costs and Benefits Within Groups. , 2016, , 111-124.		3
34	Morphological differences between habitats are associated with physiological and behavioural trade-offs in stickleback (<i>Gasterosteus aculeatus</i>). Royal Society Open Science, 2016, 3, 160316.	1.1	15
35	Sociality. , 2016, , 1-8.		11
36	Environmental quality determines finder-joiner dynamics in socially foraging three-spined sticklebacks (<i>Gasterosteus aculeatus</i>). Behavioral Ecology and Sociobiology, 2016, 70, 889-899.	0.6	13

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37	The effect of temporally variable environmental stimuli and group size on emergence behavior. <i>Behavioral Ecology</i> , 2016, 27, 939-945.	1.0	12
38	Attraction, Alignment and Repulsion: How Groups Form and How They Function. , 2016, , 29-54.		1
39	Social Foraging and Predator-Prey Interactions. , 2016, , 55-87.		7
40	Crimson Spotted Rainbowfish (<i>Melanotaenia duboulayi</i>) Change Their Spatial Position according to Nutritional Requirement. <i>PLoS ONE</i> , 2016, 11, e0148334.	1.1	22
41	Group Size. , 2016, , 125-148.		0
42	Initiation and spread of escape waves within animal groups. <i>Royal Society Open Science</i> , 2015, 2, 140355.	1.1	91
43	The effect of hunger on the exploratory behaviour of shoals of mosquitofish <i>Gambusia holbrooki</i> . <i>Behaviour</i> , 2015, 152, 1659-1677.	0.4	38
44	Personality affects the foraging response of a mammalian herbivore to the dual costs of food and fear. <i>Oecologia</i> , 2015, 177, 293-303.	0.9	49
45	The influence of nutritional state on individual and group movement behaviour in shoals of crimson-spotted rainbowfish (<i>Melanotaenia duboulayi</i>). <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 1713-1722.	0.6	28
46	Exercise changes behaviour. <i>Functional Ecology</i> , 2014, 28, 652-659.	1.7	44
47	A model comparison reveals dynamic social information drives the movements of humbug damselfish (<i>Poecilia reticulata</i>). <i>PLoS ONE</i> , 2014, 9, e0107843.	1.5	27
48	The Personality Behind Cheating: Behavioural Types and the Feeding Ecology of Cleaner Fish. <i>Ethology</i> , 2014, 120, 904-912.	0.5	18
49	Shoaling fish can size-assort by chemical cues alone. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 667-673.	0.6	16
50	Copper interacts with nonylphenol to cancel the effect of nonylphenol on fish chemosensory behaviour. <i>Aquatic Toxicology</i> , 2013, 142-143, 203-209.	1.9	8
51	The role of individuality in collective group movement. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122564.	1.2	138
52	Rising costs of care make spiny chromis discerning parents. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 449-455.	0.6	9
53	Site fidelity and localised homing behaviour in three-spined sticklebacks (<i>Gasterosteus aculeatus</i>). <i>Behaviour</i> , 2013, 150, 1689-1708.	0.4	10
54	Accurate decisions in an uncertain world: collective cognition increases true positives while decreasing false positives. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122777.	1.2	80

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55	Initiators, Leaders, and Recruitment Mechanisms in the Collective Movements of Damselfish. <i>American Naturalist</i> , 2013, 181, 748-760.	1.0	27
56	Increased aggression during pregnancy comes at a higher metabolic cost. <i>Journal of Experimental Biology</i> , 2013, 216, 771-776.	0.8	61
57	Multi-scale Inference of Interaction Rules in Animal Groups Using Bayesian Model Selection. <i>PLoS Computational Biology</i> , 2013, 9, e1002961.	1.5	39
58	How Do Fish Use the Movement of Other Fish to Make Decisions?. <i>Springer Proceedings in Complexity</i> , 2013, , 591-606.	0.2	1
59	Thermal acclimation of interactions: differential responses to temperature change alter predator-prey relationship. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4058-4064.	1.2	130
60	Prawns and probability. , 2012, , .		0
61	Capacity for thermal acclimation differs between populations and phylogenetic lineages within a species. <i>Functional Ecology</i> , 2012, 26, 1418-1428.	1.7	56
62	Consistency of Leadership in Shoals of Mosquitofish (<i>Gambusia holbrooki</i>) in Novel and in Familiar Environments. <i>PLoS ONE</i> , 2012, 7, e36567.	1.1	55
63	Social facilitation of exploration in mosquitofish (<i>Gambusia holbrooki</i>). <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 223-230.	0.6	62
64	Multi-scale Inference of Interaction Rules in Animal Groups Using Bayesian Model Selection. <i>PLoS Computational Biology</i> , 2012, 8, e1002308.	1.5	10
65	Quorum Decision-Making in Foraging Fish Shoals. <i>PLoS ONE</i> , 2012, 7, e32411.	1.1	65
66	Social Aggregation in the Pelagic Zone with Special Reference to Fish and Invertebrates. <i>Advances in Marine Biology</i> , 2011, 60, 161-227.	0.7	43
67	Personality and social context. <i>Biological Reviews</i> , 2011, 86, 759-773.	4.7	292
68	Aggression-induced fin damage modulates trade-offs in burst and endurance swimming performance of mosquitofish. <i>Journal of Zoology</i> , 2011, 283, 243-248.	0.8	22
69	Diets and decisions: the potential use of food protein cues in dietary, sexual and social decisions by mosquitofish. <i>Animal Behaviour</i> , 2011, 82, 783-790.	0.8	14
70	The role of female dominance hierarchies in the mating behaviour of mosquitofish. <i>Biology Letters</i> , 2011, 7, 343-345.	1.0	16
71	Inferring the rules of interaction of shoaling fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18726-18731.	3.3	459
72	Fast and accurate decisions through collective vigilance in fish shoals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2312-2315.	3.3	302

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73	Habitat-Specific Morphological Variation among Threespine Sticklebacks (<i>Gasterosteus aculeatus</i>) within a Drainage Basin. <i>PLoS ONE</i> , 2011, 6, e21060.	1.1	38
74	Group structure in a restricted entry system is mediated by both resident and joiner preferences. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 1099-1106.	0.6	34
75	Sensory ecology in a changing world: salinity alters conspecific recognition in an amphidromous fish, <i>Pseudomugil signifer</i> . <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 1107-1115.	0.6	21
76	A novel method for investigating the collective behaviour of fish: introducing "Robofish"™. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 1211-1218.	0.6	153
77	Behavioural thermoregulation in two freshwater fish species. <i>Journal of Fish Biology</i> , 2010, 76, 2287-2298.	0.7	35
78	Boldness and Reproductive Fitness Correlates in the Eastern Mosquitofish, <i>Gambusia holbrooki</i> . <i>Ethology</i> , 2010, 116, 96-104.	0.5	83
79	Multimodal mixed messages: the use of multiple cues allows greater accuracy in social recognition and predator detection decisions in the mosquitofish, <i>Gambusia holbrooki</i> . <i>Behavioral Ecology</i> , 2010, 21, 1315-1320.	1.0	74
80	Learning to hunt: the role of experience in predator success. <i>Behaviour</i> , 2010, 147, 223-233.	0.4	27
81	Species and population differences in social recognition between fishes: a role for ecology?. <i>Behavioral Ecology</i> , 2009, 20, 511-516.	1.0	47
82	Individual boldness affects interspecific interactions in sticklebacks. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 511-520.	0.6	76
83	Schooling and learning: early social environment predicts social learning ability in the guppy, <i>Poecilia reticulata</i> . <i>Animal Behaviour</i> , 2008, 76, 923-929.	0.8	100
84	Consensus Decision Making by Fish. <i>Current Biology</i> , 2008, 18, 1773-1777.	1.8	231
85	Scents and scents-ability: pollution disrupts chemical social recognition and shoaling in fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 101-105.	1.2	81
86	Quorum decision-making facilitates information transfer in fish shoals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6948-6953.	3.3	395
87	Shoal and prey patch choice by co-occurring fishes and prawns: inter-taxa use of socially transmitted cues. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 203-208.	1.2	29
88	Group-Living and Social Networks. , 2008, , 485-498.		3
89	Fish Foraging Behaviour in Theory and Practice. , 2008, , 235-268.		4
90	Boldness is influenced by social context in threespine sticklebacks (<i>Gasterosteus aculeatus</i>). <i>Behaviour</i> , 2007, 144, 351-371.	0.4	98

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91	Turbidity and foraging rate in threespine sticklebacks: the importance of visual and chemical prey cues. <i>Behaviour</i> , 2007, 144, 1347-1360.	0.4	49
92	Social recognition in wild fish populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1071-1077.	1.2	61
93	Habitat-specific chemical cues influence association preferences and shoal cohesion in fish. <i>Behavioral Ecology and Sociobiology</i> , 2007, 62, 273-280.	0.6	51
94	The effects of the endocrine disrupter 4-nonylphenol on the behaviour of juvenile rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 377-382.	0.7	32
95	Social Organization, Grouping, and Domestication in Fish. <i>Zebrafish</i> , 2006, 3, 141-155.	0.5	32
96	Intraspecific food competition in fishes. <i>Fish and Fisheries</i> , 2006, 7, 231-261.	2.7	243
97	The influence of differential swimming speeds on composition of multi-species fish shoals. <i>Journal of Fish Biology</i> , 2005, 67, 866-872.	0.7	34
98	Foraging benefits of shoaling with familiars may be exploited by outsiders. <i>Animal Behaviour</i> , 2005, 69, 329-335.	0.8	41
99	Social recognition in sticklebacks: the role of direct experience and habitat cues. <i>Behavioral Ecology and Sociobiology</i> , 2005, 57, 575-583.	0.6	83
100	Assortative interactions and social networks in fish. <i>Oecologia</i> , 2005, 143, 211-219.	0.9	253
101	Shoaling behaviour of sticklebacks infected with the microsporidian parasite, <i>Glugea anomala</i> . <i>Environmental Biology of Fishes</i> , 2005, 72, 155-160.	0.4	44
102	Foraging nine-spined sticklebacks prefer to rely on public information over simpler social cues. <i>Behavioral Ecology</i> , 2005, 16, 865-870.	1.0	84
103	Assessment and assortment: how fishes use local and global cues to choose which school to go to. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S328-30.	1.2	12
104	The effects of habitat- and diet-based cues on association preferences in three-spined sticklebacks. <i>Behavioral Ecology</i> , 2004, 15, 925-929.	1.0	103
105	Correlates of boldness in three-spined sticklebacks (<i>Gasterosteus aculeatus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2004, 55, 561-568.	0.6	294
106	The effects of kin and familiarity on interactions between fish. <i>Fish and Fisheries</i> , 2003, 4, 348-358.	2.7	201
107	The effects of habitat- and diet-based cues on association preferences in the three-spined stickleback (<i>Gasterosteus aculeatus</i>). <i>Journal of Fish Biology</i> , 2003, 63, 244-244.	0.7	0
108	Cross-species familiarity in shoaling fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1157-1161.	1.2	41

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109	Association patterns and shoal fidelity in the three-spined stickleback. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 2451-2455.	1.2	85
110	Mixed-species shoaling in fish: the sensory mechanisms and costs of shoal choice. <i>Behavioral Ecology and Sociobiology</i> , 2002, 52, 182-187.	0.6	99
111	The effects of parasitism and body length on positioning within wild fish shoals. <i>Journal of Animal Ecology</i> , 2002, 71, 10-14.	1.3	48
112	Body length assortative shoaling in the European minnow, <i>Phoxinus phoxinus</i> . <i>Animal Behaviour</i> , 2001, 62, 617-621.	0.8	77
113	A grid-net technique for the analysis of fish positions within free-ranging shoals. <i>Journal of Fish Biology</i> , 2001, 59, 1667-1672.	0.7	7
114	A grid-net technique for the analysis of fish positions within free-ranging shoals. <i>Journal of Fish Biology</i> , 2001, 59, 1667-1672.	0.7	1
115	Fish shoal composition: mechanisms and constraints. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 2011-2017.	1.2	106