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List of Publications by Year
in descending order

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144 papers	7,210 citations	57758 44 h-index	66911 78 g-index
146 all docs	146 docs citations	146 times ranked	5697 citing authors

#	Article	IF	Citations
1	Evolution and behavioural responses to humanâ€induced rapid environmental change. Evolutionary Applications, 2011, 4, 367-387.	3.1	892
2	Replenishment of fish populations is threatened by ocean acidification. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12930-12934.	7.1	399
3	Anthropogenic noise increases fish mortality by predation. Nature Communications, 2016, 7, 10544.	12.8	253
4	The paradox of risk allocation: a review and prospectus. Animal Behaviour, 2009, 78, 579-585.	1.9	250
5	Generalization of learned predator recognition: an experimental test and framework for future studies. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1853-1859.	2.6	189
6	Phenotypically plastic neophobia: a response to variable predation risk. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122712.	2.6	186
7	Impaired learning of predators and lower prey survival under elevated <scp><scp>CO₂</scp></scp>: a consequence of neurotransmitter interference. Global Change Biology, 2014, 20, 515-522.	9.5	180
8	Intrageneric variation in antipredator responses of coral reef fishes affected by ocean acidification: implications for climate change projections on marine communities. Global Change Biology, 2011, 17, 2980-2986.	9.5	161
9	The dynamic nature of antipredator behavior: prey fish integrate threat-sensitive antipredator responses within background levels of predation risk. Behavioral Ecology and Sociobiology, 2006, 61, 9-16.	1.4	150
10	Putting prey and predator into the CO2 equation - qualitative and quantitative effects of ocean acidification on predator-prey interactions. Ecology Letters, 2011, 14, 1143-1148.	6.4	150
11	Epidermal â€˜alarm substanceâ€™ cells of fishes maintained by non-alarm functions: possible defence against pathogens, parasites and UVB radiation. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2611-2619.	2.6	129
12	Learning by embryos and the ghost of predation future. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2603-2607.	2.6	113
13	Learn and live: predator experience and feeding history determines prey behaviour and survival. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2091-2098.	2.6	113
14	Effects of Ocean Acidification on Learning in Coral Reef Fishes. PLoS ONE, 2012, 7, e31478.	2.5	111
15	Effects of ocean acidification on visual risk assessment in coral reef fishes. Functional Ecology, 2012, 26, 553-558.	3.6	107
16	Effects of acidification on olfactory-mediated behaviour in freshwater and marine ecosystems: a synthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120447.	4.0	106
17	Aerobic scope predicts dominance during early life in a tropical damselfish. Functional Ecology, 2014, 28, 1367-1376.	3.6	104
18	Predator-induced changes in morphology of a prey fish: the effects of food level and temporal frequency of predation risk. Evolutionary Ecology, 2008, 22, 561-574.	1.2	101

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19	Can prey exhibit threat-sensitive generalization of predator recognition? Extending the Predator Recognition Continuum Hypothesis. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1811-1816.	2.6	90
20	Linking predator risk and uncertainty to adaptive forgetting: a theoretical framework and empirical test using tadpoles. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2205-2210.	2.6	81
21	Mechanisms underlying the control of responses to predator odours in aquatic prey. Journal of Experimental Biology, 2017, 220, 1937-1946.	1.7	79
22	Temporal variability, threat sensitivity and conflicting information about the nature of risk: understanding the dynamics of tadpole antipredator behaviour. Animal Behaviour, 2009, 78, 11-16.	1.9	77
23	To fear or to feed: the effects of turbidity on perception of risk by a marine fish. Biology Letters, 2011, 7, 811-813.	2.3	77
24	Intraspecific trait variants determine the nature of interspecific interactions in a habitat-forming species. Ecology, 2011, 92, 1902-1908.	3.2	75
25	Learning threat-sensitive predator avoidance: how do fathead minnows incorporate conflicting information?. Animal Behaviour, 2006, 71, 19-26.	1.9	72
26	Interactive effects of ocean acidification and rising sea temperatures alter predation rate and predator selectivity in reef fish communities. Global Change Biology, 2015, 21, 1848-1855.	9.5	71
27	Patterns of predator neophobia: a meta-analytic review. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170583.	2.6	70
28	Degradation of chemical alarm cues under natural conditions: risk assessment by larval woodfrogs. Chemoecology, 2007, 17, 263-266.	1.1	69
29	Background level of risk determines how prey categorize predators and non-predators. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140355.	2.6	69
30	Background level of risk and the survival of predator-naive prey: can neophobia compensate for predator naivety in juvenile coral reef fishes?. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142197.	2.6	68
31	Threat-sensitive generalization of predator recognition by larval amphibians. Behavioral Ecology and Sociobiology, 2009, 63, 1369-1375.	1.4	67
32	The nose knows: minnows determine predator proximity and density through detection of predator odours. Animal Behaviour, 2006, 72, 927-932.	1.9	65
33	Coral Reef Fish Rapidly Learn to Identify Multiple Unknown Predators upon Recruitment to the Reef. PLoS ONE, 2011, 6, e15764.	2.5	64
34	Sensory complementation and the acquisition of predator recognition by salmonid fishes. Behavioral Ecology and Sociobiology, 2008, 63, 113-121.	1.4	60
35	A Comparison of Measures of Boldness and Their Relationships to Survival in Young Fish. PLoS ONE, 2013, 8, e68900.	2.5	60
36	Threat-sensitive learning of predators by larval mosquitoes Culex restuans. Behavioral Ecology and Sociobiology, 2008, 62, 1079-1083.	1.4	59

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37	The role of learning in the acquisition of threat-sensitive responses to predator odours. Behavioral Ecology and Sociobiology, 2006, 60, 522-527.	1.4	58
38	Effects of turbidity and an invasive waterweed on predation by introduced largemouth bass. Environmental Biology of Fishes, 2014, 97, 79-90.	1.0	53
39	Latent inhibition of predator recognition by embryonic amphibians. Biology Letters, 2009, 5, 160-162.	2.3	52
40	Degradation of chemical alarm cues and assessment of risk throughout the day. Ecology and Evolution, 2013, 3, 3925-3934.	1.9	51
41	Error management in plant allocation to herbivore defense. Trends in Ecology and Evolution, 2015, 30, 441-445.	8.7	51
42	First Documentation of Cultural Transmission of Predator Recognition by Larval Amphibians. Ethology, 2007, 113, 621-627.	1.1	50
43	Friend or foe? The role of latent inhibition in predator and non-predator labelling by coral reef fishes. Animal Cognition, 2011, 14, 707-714.	1.8	50
44	The ghost of predation future: threat-sensitive and temporal assessment of risk by embryonic woodfrogs. Behavioral Ecology and Sociobiology, 2010, 64, 549-555.	1.4	48
45	Background level of risk determines the intensity of predator neophobia in juvenile convict cichlids. Behavioral Ecology and Sociobiology, 2014, 68, 127-133.	1.4	48
46	Learning about non-predators and safe places: the forgotten elements of risk assessment. Animal Cognition, 2011, 14, 309-316.	1.8	47
47	An ecological framework of neophobia: from cells to organisms to populations. Biological Reviews, 2020, 95, 218-231.	10.4	46
48	Phenotypic Plasticity Confers Multiple Fitness Benefits to a Mimic. Current Biology, 2015, 25, 949-954.	3.9	45
49	Variable predation risk and the dynamic nature of mosquito antipredator responses to chemical alarm cues. Chemoecology, 2007, 17, 223-229.	1.1	43
50	Generalization of learned predator recognition in coral reef ecosystems: how cautious are damselfish?. Functional Ecology, 2013, 27, 299-304.	3.6	43
51	Background risk and recent experience influences retention of neophobic responses to predators. Behavioral Ecology and Sociobiology, 2015, 69, 737-745.	1.4	43
52	Living in a risky world: the onset and ontogeny of an integrated antipredator phenotype in a coral reef fish. Scientific Reports, 2015, 5, 15537.	3.3	40
53	Temporal learning of predation risk by embryonic amphibians. Biology Letters, 2010, 6, 308-310.	2.3	37
54	Growth rate and retention of learned predator cues by juvenile rainbow trout: faster-growing fish forget sooner. Behavioral Ecology and Sociobiology, 2011, 65, 1267-1276.	1.4	37

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55	Understanding the role of uncertainty on learning and retention of predator information. Animal Cognition, 2012, 15, 807-813.	1.8	36
56	Adaptive Forgetting: Why Predator Recognition Training Might Not Enhance Poststocking Survival. Fisheries, 2013, 38, 16-25.	0.8	35
57	The effects of background risk on behavioural lateralization in a coral reef fish. Functional Ecology, 2015, 29, 1553-1559.	3.6	35
58	Dopamine receptors participate in acquisition and consolidation of latent learning of spatial information in zebrafish (Danio rerio). Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 67, 21-30.	4.8	35
59	Getting ready for invasions: can background level of risk predict the ability of naÃ¯ve prey to survive novel predators?. Scientific Reports, 2015, 5, 8309.	3.3	34
60	Short-term environmental variation in predation risk leads to differential performance in predation-related cognitive function. Animal Behaviour, 2014, 95, 9-14.	1.9	33
61	School is out on noisy reefs: the effect of boat noise on predator learning and survival of juvenile coral reef fishes. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180033.	2.6	32
62	The effect of turbidity on recognition and generalization of predators and nonâ€predators in aquatic ecosystems. Ecology and Evolution, 2013, 3, 268-277.	1.9	31
63	Habitat degradation disrupts neophobia in juvenile coral reef fish. Global Change Biology, 2017, 23, 719-727.	9.5	31
64	Linking Morphological and Behavioural Defences: Prey Fish Detect the Morphology of Conspecifics in the Odour Signature of their Predators. Ethology, 2007, 113, 733-739.	1.1	30
65	The paradox of risk assessment: comparing responses of fathead minnows to capture-released and diet-released alarm cues from two different predators. Chemoecology, 2007, 17, 157-161.	1.1	30
66	Learning to distinguish between predators and non-predators: understanding the critical role of diet cues and predator odours in generalisation. Scientific Reports, 2015, 5, 13918.	3.3	30
67	Behavioural trait variants in a habitatâ€forming species dictate the nature of its interactions with and among heterospecifics. Functional Ecology, 2012, 26, 29-36.	3.6	28
68	Habitat degradation is threatening reef replenishment by making fish fearless. Journal of Animal Ecology, 2014, 83, 1178-1185.	2.8	28
69	Learning Temporal Patterns of Risk in a Predator-Diverse Environment. PLoS ONE, 2012, 7, e34535.	2.5	28
70	Fixed vs. Random Temporal Predictability of Predation Risk: An Extension of the Risk Allocation Hypothesis. Ethology, 2008, 114, 238-244.	1.1	27
71	Sub-lethal effects of Roundupâ„¢ on tadpole anti-predator responses. Ecotoxicology and Environmental Safety, 2015, 111, 281-285.	6.0	27
72	Embryonic learning and developmental carry-over effects in an invasive anuran. Oecologia, 2017, 184, 623-631.	2.0	27

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73	The effects of ultraviolet radiation on a freshwater prey fish: physiological stress response, club cell investment, and alarm cue production. Biological Journal of the Linnean Society, 2012, 105, 832-841.	1.6	26
74	Ocean acidification and responses to predators: can sensory redundancy reduce the apparent impacts of elevated <scp>CO</scp>₂ on fish?. Ecology and Evolution, 2013, 3, 3565-3575.	1.9	26
75	Microplastic exposure interacts with habitat degradation to affect behaviour and survival of juvenile fish in the field. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201947.	2.6	26
76	Personality and the response to predation risk: effects of information quantity and quality. Animal Cognition, 2014, 17, 1063-1069.	1.8	25
77	A cross-modal effect of noise: the disappearance of the alarm reaction of a freshwater fish. Animal Cognition, 2018, 21, 419-424.	1.8	25
78	The Effects of Chronic Exposure to Environmentally Relevant Levels of Waterborne Cadmium on Reproductive Capacity and Behaviour in Fathead Minnows. Archives of Environmental Contamination and Toxicology, 2014, 67, 181-191.	4.1	23
79	A novel alarm signal in aquatic prey: Familiar minnows coordinate group defences against predators through chemical disturbance cues. Journal of Animal Ecology, 2019, 88, 1281-1290.	2.8	23
80	Risk assessment and predator learning in a changing world: understanding the impacts of coral reef degradation. Scientific Reports, 2016, 6, 32542.	3.3	22
81	Risk-induced neophobia: does sensory modality matter?. Animal Cognition, 2016, 19, 1143-1150.	1.8	21
82	Retention of neophobic predator recognition in juvenile convict cichlids: effects of background risk and recent experience. Animal Cognition, 2015, 18, 1331-1338.	1.8	20
83	Relative Cost/Benefit Tradeâ€Off Between Coverâ€Seeking and Escape Behaviour in an Ancestral Fish: The Importance of Structural Habitat Heterogeneity. Ethology, 2014, 120, 973-981.	1.1	19
84	Predation risk induces age- and sex-specific morphological plastic responses in the fathead minnow Pimephales promelas. Scientific Reports, 2019, 9, 15378.	3.3	19
85	Making the dead talk: alarm cue-mediated antipredator behaviour and learning are enhanced when injured conspecifics experience high predation risk. Biology Letters, 2016, 12, 20160560.	2.3	18
86	Daily variation in behavioural lateralization is linked to predation stress in a coral reef fish. Animal Behaviour, 2017, 133, 189-193.	1.9	18
87	Safety Cues Can Give Prey More Valuable Information Than Danger Cues. American Naturalist, 2020, 195, 636-648.	2.1	18
88	Frugal cannibals: how consuming conspecific tissues can provide conditional benefits to wood frog tadpoles (Lithobates sylvaticus). Die Naturwissenschaften, 2014, 101, 291-303.	1.6	17
89	Social learning in a high-risk environment: incomplete disregard for the â€˜minnow that cried pikeâ€™ results in culturally transmitted neophobia. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150934.	2.6	17
90	Evidence for risk extrapolation in decision making by tadpoles. Scientific Reports, 2017, 7, 43255.	3.3	17

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91	Trust thy neighbour in times of trouble: background risk alters how tadpoles release and respond to disturbance cues. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171465.	2.6	17
92	Not equal in the face of habitat change: closely related fishes differ in their ability to use predation-related information in degraded coral. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162758.	2.6	17
93	Maternal Exposure to Dietary Selenium Causes Dopaminergic Hyperfunction and Cognitive Impairment in Zebrafish Offspring. Environmental Science & Technology, 2018, 52, 13574-13583.	10.0	17
94	Differential retention of predator recognition by juvenile rainbow trout. Behaviour, 2010, 147, 1791-1802.	0.8	16
95	Understanding the importance of episodic acidification on fish predatorâ€“prey interactions: Does weak acidification impair predator recognition?. Science of the Total Environment, 2012, 439, 62-66.	8.0	16
96	Juvenile Lake Sturgeon Go To School: Lifeâ€Skills Training for Hatchery Fish. Transactions of the American Fisheries Society, 2016, 145, 287-294.	1.4	16
97	Lake Sturgeon Geographic Range, Distribution, and Migration Patterns in the Saskatchewan River. Transactions of the American Fisheries Society, 2014, 143, 1555-1561.	1.4	14
98	The interactive effects of multiple stressors on physiological stress responses and club cell investment in fathead minnows. Science of the Total Environment, 2014, 476-477, 90-97.	8.0	14
99	Duration of Exposure to Elevated Temperature Affects Competitive Interactions in Juvenile Reef Fishes. PLoS ONE, 2016, 11, e0164505.	2.5	13
100	High background risk induces risk allocation rather than generalized neophobia in the fathead minnow. Behavioral Ecology, 2019, 30, 1416-1424.	2.2	13
101	Responses of tadpoles to hybrid predator odours: strong maternal signatures and the potential risk/response mismatch. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150365.	2.6	12
102	Retention of learned predator recognition in embryonic and juvenile rainbow trout. Behavioral Ecology, 2019, 30, 1575-1582.	2.2	12
103	Embryonic background risk promotes the survival of tadpoles facing surface predators. PLoS ONE, 2018, 13, e0193939.	2.5	12
104	Predation in High CO2 Waters: Prey Fish from High-Risk Environments are Less Susceptible to Ocean Acidification. Integrative and Comparative Biology, 2017, 57, 55-62.	2.0	11
105	Comparative diversity of anemone-associated fishes and decapod crustaceans in a Belizean coral reef and seagrass system. Marine Biodiversity, 2019, 49, 2609-2620.	1.0	11
106	Evaluating adaptive, carryâ€over, and plastic antipredator responses across a temporal gradient in Pacific chorus frogs. Ecology, 2019, 100, e02825.	3.2	11
107	Cognitive resonance: When information carryâ€over constrains cognitive plasticity. Functional Ecology, 2019, 33, 703-711.	3.6	11
108	Better the devil you know? How familiarity and kinship affect prey responses to disturbance cues. Behavioral Ecology, 2019, 30, 446-454.	2.2	11

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109	Proportional fitness loss and the timing of defensive investment: a cohesive framework across animals and plants. Oecologia, 2020, 193, 273-283.	2.0	11
110	Within and between Population Variation in Epidermal Club Cell Investment in a Freshwater Prey Fish: A Cautionary Tale for Evolutionary Ecologists. PLoS ONE, 2013, 8, e56689.	2.5	10
111	Temporal constraints on predation risk assessment in a changing world. Science of the Total Environment, 2014, 500-501, 332-338.	8.0	10
112	Prey behaviour across antipredator adaptation types: how does growth trajectory influence learning of predators?. Animal Cognition, 2011, 14, 809-816.	1.8	9
113	Never Off the Hookâ€"How Fishing Subverts Predator-Prey Relationships in Marine Teleosts. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	9
114	The socially mediated recovery of a fearful fish paired with periodically replaced calm models. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180739.	2.6	9
115	The cost of carryover effects in a changing environment: context-dependent benefits of a behavioural phenotype in a coral reefÂfish. Animal Behaviour, 2019, 149, 1-5.	1.9	9
116	Temporal dynamics of information use in learning and retention of predator-related information in tadpoles. Animal Cognition, 2013, 16, 667-676.	1.8	8
117	Dissolved organic carbon ameliorates the effects of UV radiation on a freshwater fish. Science of the Total Environment, 2014, 490, 941-946.	8.0	6
118	Individual vs. social learning of predator information in fish: does group size affect learning efficacy?. Behavioral Ecology and Sociobiology, 2015, 69, 939-949.	1.4	6
119	Diet cues alter the development of predator recognition templates in tadpoles. Behavioral Ecology and Sociobiology, 2016, 70, 1707-1713.	1.4	6
120	Background Predation Risk and Learned Predator Recognition in Convict Cichlids: Does Risk Allocation Constrain Learning?. Ethology, 2016, 122, 841-849.	1.1	6
121	Olfactory cues of habitats facilitate learning about landscapes of fear. Behavioral Ecology, 2018, 29, 693-700.	2.2	6
122	Coral degradation alters predator odour signatures and influences prey learning and survival. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190562.	2.6	6
123	Thermal environment and nutritional condition affect the efficacy of chemical alarm cues produced by prey fish. Environmental Biology of Fishes, 2016, 99, 729-739.	1.0	5
124	Time-dependent latent inhibition of predator-recognition learning. Biology Letters, 2019, 15, 20190183.	2.3	5
125	Forget the audience: tadpoles release similar disturbance cues regardless of kinship or familiarity. Behavioral Ecology and Sociobiology, 2020, 74, 1.	1.4	5
126	Coral degradation impairs learning of nonâ€predators by Whitetail damselfish. Functional Ecology, 2021, 35, 1268-1276.	3.6	5

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127	Exposure to a contextually neutral stressor potentiates fear conditioning in juvenile rainbow trout, Oncorhynchus mykiss. Hormones and Behavior, 2017, 94, 124-134.	2.1	4
128	Exposure to degraded coral habitat depresses oxygen uptake rate during exercise of a juvenile reef fish. Coral Reefs, 2021, 40, 1361-1367.	2.2	4
129	Temperature-Mediated Changes in Rates of Predator Forgetting in Woodfrog Tadpoles. PLoS ONE, 2012, 7, e51143.	2.5	4
130	Exposure to predation risk reduces lateralization in fathead minnows.. Canadian Journal of Experimental Psychology, 2020, 74, 260-265.	0.8	4
131	Adaptive Responses of Embryonic Amphibians to Predation Risk. , 2013, , 259-268.		3
132	Microhabitat complexity influences fear acquisition in fathead minnows. Behavioral Ecology, 0, , .	2.2	3
133	Early-life and parental predation risk shape fear acquisition in adult minnows. Animal Cognition, 2021, 24, 471-481.	1.8	3
134	Reproductive fitness of honey bee queens exposed to thiamethoxam during development. Veterinary Pathology, 2021, 58, 1107-1118.	1.7	3
135	Disturbance cues facilitate associative learning of predators in a coral reef fish. Behavioral Ecology and Sociobiology, 2021, 75, 1.	1.4	3
136	Disturbance cues function as a background risk cue but not as an associative learning cue in tadpoles. Animal Cognition, 2022, 25, 881-889.	1.8	3
137	The Sophistication of Predator Odour Recognition by Minnows. , 2013, , 247-257.		2
138	Paternal care effects outweigh gamete-mediated and personal environment effects during the transgenerational estimation of risk in fathead minnows. Bmc Ecology and Evolution, 2021, 21, 187.	1.6	2
139	Survival, behaviour, and morphology of larval wood frogs, Lithobates sylvaticus, under threat from an exotic crayfish predator, Orconectes virilis. Aquatic Ecology, 2019, 53, 383-392.	1.5	1
140	The Effects of Selenomethionine on the Escape Behaviours of Fathead Minnows. Archives of Environmental Contamination and Toxicology, 2019, 77, 62-67.	4.1	1
141	The fading of fear effects due to coral degradation is modulated by community composition. Functional Ecology, 2020, 34, 2120-2130.	3.6	1
142	Escape responses to simulated host versus nonhost predators in minnows exposed to a brain-encysting parasite. Animal Behaviour, 2021, 173, 169-176.	1.9	1
143	Living in mixed species groups promotes predator learning in degraded habitats. Scientific Reports, 2021, 11, 19335.	3.3	1
144	Can Fish Tell Us Anything About Post-Traumatic Stress Disorder?. , 2018, , .		0