Alison M Bell

List of Publications by Year
in descending order

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68 papers	10,088 citations	126907 33 h-index	102487 66 g-index
77 all docs	77 docs citations	77 times ranked	6453 citing authors

#	Article	IF	Citations
1	Behavioral syndromes: an ecological and evolutionary overview. Trends in Ecology and Evolution, 2004, 19, 372-378.	8.7	2,655
2	The repeatability of behaviour: a meta-analysis. Animal Behaviour, 2009, 77, 771-783.	1.9	1,651
3	Behavioral Syndromes: An Integrative Overview. Quarterly Review of Biology, 2004, 79, 241-277.	0.1	1,627
4	Exposure to predation generates personality in threespined sticklebacks (<i>Gasterosteus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td	6.4	621
5	Chapter 5 Insights for Behavioral Ecology from Behavioral Syndromes. Advances in the Study of Behavior, 2008, 38, 227-281.	1.6	502
6	Future directions in behavioural syndromes research. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 755-761.	2.6	476
7	Female sticklebacks transfer information via eggs: effects of maternal experience with predators on offspring. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1753-1759.	2.6	203
8	Neuromolecular responses to social challenge: Common mechanisms across mouse, stickleback fish, and honey bee. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17929-17934.	7.1	141
9	An Integrative Framework for Understanding the Mechanisms and Multigenerational Consequences of Transgenerational Plasticity. Annual Review of Ecology, Evolution, and Systematics, 2019, 50, 97-118.	8.3	126
10	Transgenerational Plasticity in Human-Altered Environments. Trends in Ecology and Evolution, 2020, 35, 115-124.	8.7	105
11	Strong personalities, not social niches, drive individual differences in social behaviours in sticklebacks. Animal Behaviour, 2014, 90, 287-295.	1.9	101
12	Genomic tools for behavioural ecologists to understand repeatable individual differences in behaviour. Nature Ecology and Evolution, 2018, 2, 944-955.	7.8	97
13	Variable neuroendocrine responses to ecologically-relevant challenges in sticklebacks. Physiology and Behavior, 2007, 91, 15-25.	2.1	95
14	What can whole genome expression data tell us about the ecology and evolution of personality?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 4001-4012.	4.0	95
15	Why does the magnitude of genotypeâ€byâ€environment interaction vary?. Ecology and Evolution, 2018, 8, 6342-6353.	1.9	95
16	Randomized or fixed order for studies of behavioral syndromes?. Behavioral Ecology, 2013, 24, 16-20.	2.2	86
17	Integrating Ecological and Evolutionary Context in the Study of Maternal Stress. Integrative and Comparative Biology, 2017, 57, 437-449.	2.0	77
18	Behavioral and respiratory responses to stressors in multiple populations of three-spined sticklebacks that differ in predation pressure. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 211-220.	1.5	74

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19	Transcriptional regulation of brain gene expression in response to a territorial intrusion. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4929-4938.	2.6	67
20	Natural variation in brain gene expression profiles of aggressive and nonaggressive individual sticklebacks. Behaviour, 2016, 153, 1723-1743.	0.8	63
21	Consistent individual differences in paternal behavior: a field study of three-spined stickleback. Behavioral Ecology and Sociobiology, 2015, 69, 227-236.	1.4	62
22	Paternal care in a fish: epigenetics and fitness enhancing effects on offspring anxiety. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141146.	2.6	60
23	Behavior and the Dynamic Genome. Science, 2011, 332, 1161-1162.	12.6	56
24	Paternal programming in sticklebacks. Animal Behaviour, 2014, 95, 165-171.	1.9	56
25	Brain Transcriptomic Response of Threespine Sticklebacks to Cues of a Predator. Brain, Behavior and Evolution, 2011, 77, 270-285.	1.7	54
26	Temporal dynamics of neurogenomic plasticity in response to social interactions in male threespined sticklebacks. PLoS Genetics, 2017, 13, e1006840.	3.5	52
27	Predictors of Individual Variation in Movement in a Natural Population of Threespine Stickleback (Gasterosteus aculeatus). Advances in Ecological Research, 2015, 52, 65-90.	2.7	50
28	Testing the predictions of coping styles theory in threespined sticklebacks. Behavioural Processes, 2017, 136, 1-10.	1.1	47
29	Integrating molecular mechanisms into quantitative genetics to understand consistent individual differences in behavior. Current Opinion in Behavioral Sciences, 2015, 6, 111-114.	3.9	46
30	Behavioral typeâ€“environment correlations in the field: a study of three-spined stickleback. Behavioral Ecology and Sociobiology, 2013, 67, 765-774.	1.4	45
31	A test of maternal programming of offspring stress response to predation risk in threespine sticklebacks. Physiology and Behavior, 2013, 122, 222-227.	2.1	41
32	Maternal Experience with Predation Risk Influences Genome-Wide Embryonic Gene Expression in Threespined Sticklebacks (Gasterosteus aculeatus). PLoS ONE, 2014, 9, e98564.	2.5	41
33	Personal and transgenerational cues are nonadditive at the phenotypic and molecular level. Nature Ecology and Evolution, 2018, 2, 1306-1311.	7.8	39
34	Sexâ€specific plasticity across generations I: Maternal and paternal effects on sons and daughters. Journal of Animal Ecology, 2020, 89, 2788-2799.	2.8	32
35	Neurogenomic insights into paternal care and its relation to territorial aggression. Nature Communications, 2019, 10, 4437.	12.8	31
36	Individual variation in habituation: behaviour over time toward different stimuli in threespine sticklebacksÂ(Gasterosteus aculeatus). Behaviour, 2012, 149, 1339-1365.	0.8	30

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37	Crossâ€species systems analysis of evolutionary toolkits of neurogenomic response to social challenge. Genes, Brain and Behavior, 2019, 18, e12502.	2.2	30
38	Effects of mothersâ€™ and fathersâ€™ experience with predation risk on the behavioral development of their offspring in threespined sticklebacks. Current Opinion in Behavioral Sciences, 2016, 7, 28-32.	3.9	26
39	Consistent individual differences in fathering in threespined stickleback Gasterosteus aculeatus. Environmental Epigenetics, 2012, 58, 45-52.	1.8	25
40	A female's past experience with predators affects male courtship and the care her offspring will receive from their father. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151840.	2.6	25
41	Sexâ€specific plasticity across generations II: Grandpaternal effects are lineage specific and sex specific. Journal of Animal Ecology, 2020, 89, 2800-2812.	2.8	25
42	Stickleback embryos use ATP-binding cassette transporters as a buffer against exposure to maternally derived cortisol. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152838.	2.6	21
43	Molecular mechanisms and the conflict between courtship and aggression in threeâ€spined sticklebacks. Molecular Ecology, 2016, 25, 4368-4376.	3.9	17
44	Transgenerational and developmental plasticity at the molecular level: Lessons from Daphnia. Molecular Ecology, 2017, 26, 4859-4861.	3.9	17
45	The role of variation and plasticity in parental care during the adaptive radiation of threeâ€spine sticklebacks. Evolution; International Journal of Organic Evolution, 2019, 73, 1037-1044.	2.3	16
46	Predictors of individual variation in reversal learning performance in three-spined sticklebacks. Animal Cognition, 2020, 23, 925-938.	1.8	16
47	Effect of maternal predator exposure on the ability of stickleback offspring to generalize a learned colourâ€“reward association. Animal Behaviour, 2015, 107, 61-69.	1.9	15
48	Approaching the Genomics of Risk-Taking Behavior. Advances in Genetics, 2009, 68, 83-104.	1.8	14
49	Individual variation in foraging behavior reveals a trade-off between flexibility and performance of a top predator. Behavioral Ecology and Sociobiology, 2014, 68, 1711-1722.	1.4	13
50	Changes in behavior and brain immediate early gene expression in male threespined sticklebacks as they become fathers. Hormones and Behavior, 2018, 97, 102-111.	2.1	13
51	Do male sticklebacks use visual and/or olfactory cues to assess a potential mate's history with predation risk?. Animal Behaviour, 2018, 145, 151-159.	1.9	12
52	Avoidance or escape? Discriminating between two hypotheses for the function of schooling in threespine sticklebacks. Animal Behaviour, 2013, 85, 187-194.	1.9	11
53	Parenting behaviour is highly heritable in male stickleback. Royal Society Open Science, 2018, 5, 171029.	2.4	11
54	Do reproduction and parenting influence personality traits? Insights from threespine stickleback. Animal Behaviour, 2016, 112, 247-254.	1.9	10

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55	Back to the basics? Transcriptomics offers integrative insights into the role of space, time and the environment for gene expression and behaviour. Biology Letters, 2021, 17, 20210293.	2.3	10
56	Intraspecific variation in cue-specific learning in sticklebacks. Animal Behaviour, 2018, 137, 161-168.	1.9	9
57	Effects of predation risk on egg steroid profiles across multiple populations of threespine stickleback. Scientific Reports, 2020, 10, 5239.	3.3	8
58	Social environment determines the effect of boldness and activity on survival. Ethology, 2019, 125, 855-862.	1.1	6
59	Individual variation and the challenge hypothesis. Hormones and Behavior, 2020, 123, 104549.	2.1	6
60	The specificity of sperm-mediated paternal effects in threespine sticklebacks. Behavioral Ecology and Sociobiology, 2021, 75, 1.	1.4	6
61	The interplay between sperm-mediated and care-mediated paternal effects in threespine sticklebacks. Animal Behaviour, 2021, 179, 267-277.	1.9	6
62	The Effect of Familiarity with Demonstrators on Social Learning in Threeâ€Spined Sticklebacks (Gasterosteus aculeatus). Ethology, 2017, 123, 213-220.	1.1	5
63	Personality traits change after an opportunity to mate. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192936.	2.6	5
64	The information provided by the absence of cues: insights from Bayesian models of within and transgenerational plasticity. Oecologia, 2020, 194, 585-596.	2.0	4
65	Minimally invasive brain injections for viral-mediated transgenesis: New tools for behavioral genetics in sticklebacks. PLoS ONE, 2021, 16, e0251653.	2.5	4
66	Evolution: Skipping School. Current Biology, 2013, 23, R873-R875.	3.9	0
67	Personality in Nonhuman Animals. , 2020, , 235-246.		0
68	A fluorescence hybridization (FISH) protocol for stickleback tissue. Evolutionary Ecology Research, 2016, 17, 603-617.	2.0	0