

# Melissa Bateson

## List of Publications by Year in descending order

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116  
papers

7,927  
citations

57631

44  
h-index

54797

84  
g-index

133  
all docs

133  
docs citations

133  
times ranked

5759  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cues of being watched enhance cooperation in a real-world setting. <i>Biology Letters</i> , 2006, 2, 412-414.	1.0	987
2	Risky Theoriesâ€™ The Effects of Variance on Foraging Decisions. <i>American Zoologist</i> , 1996, 36, 402-434.	0.7	476
3	Agitated Honeybees Exhibit Pessimistic Cognitive Biases. <i>Current Biology</i> , 2011, 21, 1070-1073.	1.8	272
4	Effects of eye images on everyday cooperative behavior: a field experiment. <i>Evolution and Human Behavior</i> , 2011, 32, 172-178.	1.4	248
5	Comparative evaluation and its implications for mate choice. <i>Trends in Ecology and Evolution</i> , 2005, 20, 659-664.	4.2	236
6	Environmental enrichment induces optimistic cognitive biases in pigs. <i>Applied Animal Behaviour Science</i> , 2012, 139, 65-73.	0.8	208
7	Adaptive developmental plasticity: what is it, how can we recognize it and when can it evolve?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151005.	1.2	202
8	Larger, enriched cages are associated with â€™optimisticâ€™ response biases in captive European starlings ( <i>Sturnus vulgaris</i> ). <i>Applied Animal Behaviour Science</i> , 2008, 109, 374-383.	0.8	200
9	Food insecurity as a driver of obesity in humans: The insurance hypothesis. <i>Behavioral and Brain Sciences</i> , 2017, 40, e105.	0.4	183
10	The watching eyes effect in the Dictator Game: it's not how much you give, it's being seen to give something. <i>Evolution and Human Behavior</i> , 2013, 34, 35-40.	1.4	181
11	Environmental enrichment induces optimistic cognitive bias in rats. <i>Animal Behaviour</i> , 2011, 81, 169-175.	0.8	174
12	Single-trials analyses demonstrate that increases in clock speed contribute to the methamphetamine-induced horizontal shifts in peak-interval timing functions. <i>Psychopharmacology</i> , 2006, 188, 201-212.	1.5	154
13	The Evolutionary Origins of Mood and Its Disorders. <i>Current Biology</i> , 2012, 22, R712-R721.	1.8	154
14	Anxiety: An Evolutionary Approach. <i>Canadian Journal of Psychiatry</i> , 2011, 56, 707-715.	0.9	149
15	Contextâ€™ dependent foraging decisions in rufous hummingbirds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1271-1276.	1.2	143
16	Timing in Free-Living Rufous Hummingbirds, <i>Selasphorus rufus</i> . <i>Current Biology</i> , 2006, 16, 512-515.	1.8	141
17	Rate currencies and the foraging starling: the fallacy of the averages revisited. <i>Behavioral Ecology</i> , 1996, 7, 341-352.	1.0	127
18	â€™Cycle Thieves, We Are Watching Youâ€™: Impact of a Simple Signage Intervention against Bicycle Theft. <i>PLoS ONE</i> , 2012, 7, e51738.	1.1	123

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19	Irrational choices in hummingbird foraging behaviour. <i>Animal Behaviour</i> , 2002, 63, 587-596.	0.8	121
20	An experimental demonstration that early-life competitive disadvantage accelerates telomere loss. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141610.	1.2	120
21	Cognitive bias in the chick anxiety-depression model. <i>Brain Research</i> , 2011, 1373, 124-130.	1.1	117
22	Mate choice in the polymorphic African swallowtail butterfly, <i>Papilio dardanus</i> : male-like females may avoid sexual harassment. <i>Animal Behaviour</i> , 1994, 47, 389-397.	0.8	112
23	PREFERENCES FOR FIXED AND VARIABLE FOOD SOURCES: VARIABILITY IN AMOUNT AND DELAY. <i>Journal of the Experimental Analysis of Behavior</i> , 1995, 63, 313-329.	0.8	110
24	Do Images of "Watching Eyes" Induce Behaviour That Is More Pro-Social or More Normative? A Field Experiment on Littering. <i>PLoS ONE</i> , 2013, 8, e82055.	1.1	105
25	Recent advances in our understanding of risk-sensitive foraging preferences. <i>Proceedings of the Nutrition Society</i> , 2002, 61, 509-516.	0.4	99
26	Cumulative stress in research animals: Telomere attrition as a biomarker in a welfare context?. <i>BioEssays</i> , 2016, 38, 201-212.	1.2	99
27	Starlings' preferences for predictable and unpredictable delays to food. <i>Animal Behaviour</i> , 1997, 53, 1129-1142.	0.8	98
28	Stereotyping starlings are more "pessimistic". <i>Animal Cognition</i> , 2010, 13, 721-731.	0.9	92
29	Context-dependent foraging choices in risk-sensitive starlings. <i>Animal Behaviour</i> , 2002, 64, 251-260.	0.8	79
30	Educated predators make strategic decisions to eat defended prey according to their toxin content. <i>Behavioral Ecology</i> , 2012, 23, 418-424.	1.0	73
31	Early-life adversity accelerates cellular ageing and affects adult inflammation: Experimental evidence from the European starling. <i>Scientific Reports</i> , 2017, 7, 40794.	1.6	71
32	Telomeres as integrative markers of exposure to stress and adversity: a systematic review and meta-analysis. <i>Royal Society Open Science</i> , 2018, 5, 180744.	1.1	67
33	Optimism, pessimism and judgement bias in animals: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 118, 3-17.	2.9	66
34	Bottom of the Heap: Having Heavier Competitors Accelerates Early-Life Telomere Loss in the European Starling, <i>Sturnus vulgaris</i> . <i>PLoS ONE</i> , 2013, 8, e83617.	1.1	62
35	Developmental telomere attrition predicts impulsive decision-making in adult starlings. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142140.	1.2	62
36	The Use of Passerine Bird Species in Laboratory Research: Implications of Basic Biology for Husbandry and Welfare. <i>ILAR Journal</i> , 2010, 51, 394-408.	1.8	61

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37	Attention bias to threat indicates anxiety differences in sheep. <i>Biology Letters</i> , 2016, 12, 20150977.	1.0	61
38	Patterns of subcutaneous fat deposition and the relationship between body mass index and waist-to-hip ratio: Implications for models of physical attractiveness. <i>Journal of Theoretical Biology</i> , 2009, 256, 343-350.	0.8	56
39	The memory of hunger: developmental plasticity of dietary selectivity in the European starling, <i>Sturnus vulgaris</i> . <i>Animal Behaviour</i> , 2014, 91, 33-40.	0.8	53
40	The telomere lengthening conundrum - it could be biology. <i>Aging Cell</i> , 2017, 16, 312-319.	3.0	53
41	Can starling eggs be useful as a biomonitoring tool to study organohalogenated contaminants on a worldwide scale?. <i>Environment International</i> , 2013, 51, 141-149.	4.8	51
42	Early life adversity increases foraging and information gathering in European starlings, <i>Sturnus vulgaris</i> . <i>Animal Behaviour</i> , 2015, 109, 123-132.	0.8	50
43	Pharmacological manipulations of judgement bias: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 108, 269-286.	2.9	50
44	Development of a cognitive bias methodology for measuring low mood in chimpanzees. <i>PeerJ</i> , 2015, 3, e998.	0.9	48
45	Early life disadvantage strengthens flight performance trade-offs in European starlings, <i>Sturnus vulgaris</i> . <i>Animal Behaviour</i> , 2015, 102, 141-148.	0.8	45
46	Do horses with poor welfare show "pessimistic" cognitive biases?. <i>Die Naturwissenschaften</i> , 2017, 104, 8.	0.6	45
47	Accuracy of memory for amount in the foraging starling, <i>Sturnus vulgaris</i> . <i>Animal Behaviour</i> , 1995, 50, 431-443.	0.8	44
48	Why are there associations between telomere length and behaviour?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160438.	1.8	42
49	Water bathing alters threat perception in starlings. <i>Biology Letters</i> , 2012, 8, 379-381.	1.0	41
50	Optimistic and pessimistic biases: a primer for behavioural ecologists. <i>Current Opinion in Behavioral Sciences</i> , 2016, 12, 115-121.	2.0	40
51	Watching eyes on potential litter can reduce littering: evidence from two field experiments. <i>PeerJ</i> , 2015, 3, e1443.	0.9	39
52	Opposite Effects of Early-Life Competition and Developmental Telomere Attrition on Cognitive Biases in Juvenile European Starlings. <i>PLoS ONE</i> , 2015, 10, e0132602.	1.1	39
53	Context-dependent decisions among options varying in a single dimension. <i>Behavioural Processes</i> , 2012, 89, 115-120.	0.5	36
54	Elevated levels of the stress hormone, corticosterone, cause "pessimistic" judgment bias in broiler chickens. <i>Scientific Reports</i> , 2017, 7, 6860.	1.6	36

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55	Can we use starlings' aversion to eyespots as the basis for a novel "cognitive bias" task?. <i>Applied Animal Behaviour Science</i> , 2009, 118, 182-190.	0.8	35
56	Consequences of measurement error in qPCR telomere data: A simulation study. <i>PLoS ONE</i> , 2019, 14, e0216118.	1.1	34
57	Fear and Exploration in European Starlings ( <i>Sturnus vulgaris</i> ): A Comparison of Hand-Reared and Wild-Caught Birds. <i>PLoS ONE</i> , 2011, 6, e19074.	1.1	34
58	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. <i>Royal Society Open Science</i> , 2019, 6, 190420.	1.1	33
59	Use and husbandry of captive European starlings ( <i>Sturnus vulgaris</i> ) in scientific research: a review of current practice. <i>Laboratory Animals</i> , 2008, 42, 111-126.	0.5	31
60	Better the devil you know: avian predators find variation in prey toxicity aversive. <i>Biology Letters</i> , 2014, 10, 20140533.	1.0	31
61	Effects of Watching Eyes and Norm Cues on Charitable Giving in a Surreptitious Behavioral Experiment. <i>Evolutionary Psychology</i> , 2014, 12, 878-887.	0.6	31
62	An analysis of body shape attractiveness based on image statistics: Evidence for a dissociation between expressions of preference and shape discrimination. <i>Visual Cognition</i> , 2007, 15, 927-953.	0.9	28
63	Pacing stereotypes in laboratory rhesus macaques: Implications for animal welfare and the validity of neuroscientific findings. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 508-515.	2.9	28
64	Measurement of Telomere Length for Longitudinal Analysis: Implications of Assay Precision. <i>American Journal of Epidemiology</i> , 2021, 190, 1406-1413.	1.6	28
65	Hand rearing affects emotional responses but not basic cognitive performance in European starlings. <i>Animal Behaviour</i> , 2013, 86, 127-138.	0.8	25
66	Developmental and familial predictors of adult cognitive traits in the European starling. <i>Animal Behaviour</i> , 2015, 107, 239-248.	0.8	25
67	Can biomarkers of biological age be used to assess cumulative lifetime experience?. <i>Animal Welfare</i> , 2019, 28, 41-56.	0.3	25
68	Measuring Motivation for Appetitive Behaviour: Food-Restricted Broiler Breeder Chickens Cross a Water Barrier to Forage in an Area of Wood Shavings without Food. <i>PLoS ONE</i> , 2014, 9, e102322.	1.1	25
69	Opportunistic food consumption in relation to childhood and adult food insecurity: An exploratory correlational study. <i>Appetite</i> , 2019, 132, 222-229.	1.8	24
70	Brood size moderates associations between relative size, telomere length, and immune development in European starling nestlings. <i>Ecology and Evolution</i> , 2016, 6, 8138-8148.	0.8	23
71	Interval Timing and Optimal Foraging. <i>Frontiers in Neuroscience</i> , 2003, , .	0.0	23
72	Quantification of abnormal repetitive behaviour in captive European starlings ( <i>Sturnus vulgaris</i> ). <i>Behavioural Processes</i> , 2009, 82, 256-264.	0.5	22

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73	A marker of biological age explains individual variation in the strength of the adult stress response. Royal Society Open Science, 2017, 4, 171208.	1.1	22
74	Food insecurity increases energetic efficiency, not food consumption: an exploratory study in European starlings. PeerJ, 2021, 9, e11541.	0.9	22
75	The effects of cage volume and cage shape on the condition and behaviour of captive European starlings ( <i>Sturnus vulgaris</i> ). Applied Animal Behaviour Science, 2009, 116, 286-294.	0.8	21
76	When Is General Wariness Favored in Avoiding Multiple Predator Types?. American Naturalist, 2012, 179, E180-E195.	1.0	21
77	Food restriction reduces neurogenesis in the avian hippocampal formation. PLoS ONE, 2017, 12, e0189158.	1.1	21
78	Water bathing alters the speed-accuracy trade-off of escape flights in European starlings. Animal Behaviour, 2009, 78, 801-807.	0.8	20
79	Validation of hippocampal biomarkers of cumulative affective experience. Neuroscience and Biobehavioral Reviews, 2019, 101, 113-121.	2.9	18
80	Hand-Rearing Reduces Fear of Humans in European Starlings, <i>Sturnus vulgaris</i> . PLoS ONE, 2011, 6, e17466.	1.1	18
81	Responses of chimpanzees to cues of conspecific observation. Animal Behaviour, 2013, 86, 595-602.	0.8	17
82	Conditioned place preference or aversion as animal welfare assessment tools: Limitations in their application. Applied Animal Behaviour Science, 2013, 148, 164-176.	0.8	17
83	Using body temperature, food and water consumption as biomarkers of disease progression in mice with E174-myc lymphoma. British Journal of Cancer, 2014, 110, 928-934.	2.9	17
84	Food-Insecure Women Eat a Less Diverse Diet in a More Temporally Variable Way: Evidence from the US National Health and Nutrition Examination Survey, 2013-4. Journal of Obesity, 2019, 2019, 1-9.	1.1	17
85	The development of stereotypic behavior in caged european starlings, <i>Sturnus vulgaris</i> . Developmental Psychobiology, 2012, 54, 773-784.	0.9	16
86	Affective state and quality of life in mice. Pain, 2011, 152, 963-964.	2.0	15
87	Chronological age, biological age, and individual variation in the stress response in the European starling: a follow-up study. PeerJ, 2018, 6, e5842.	0.9	15
88	Childhood and adult socioeconomic position interact to predict health in mid life in a cohort of British women. PeerJ, 2017, 5, e3528.	0.9	15
89	An empirical investigation of two assumptions of motivation testing in captive starlings ( <i>Sturnus</i> ) Tj ETQq1 1 0.784314 rgBT /Overload Behaviour Science, 2009, 118, 152-160.	0.8	14
90	Validation of an intramuscularly-implanted microchip and a surface infrared thermometer to estimate core body temperature in broiler chickens exposed to heat stress. Computers and Electronics in Agriculture, 2017, 133, 1-8.	3.7	14

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91	Controlling for baseline telomere length biases estimates of the rate of telomere attrition. Royal Society Open Science, 2019, 6, 190937.	1.1	12
92	Exposure to food insecurity increases energy storage and reduces somatic maintenance in European starlings ( <i>Sturnus vulgaris</i> ). Royal Society Open Science, 2021, 8, 211099.	1.1	12
93	Humans are not fooled by size illusions in attractiveness judgements. Evolution and Human Behavior, 2014, 35, 133-139.	1.4	11
94	Food insecurity and patterns of dietary intake in a sample of UK adults. British Journal of Nutrition, 2022, 128, 770-777.	1.2	11
95	Historical museum samples enable the examination of divergent and parallel evolution during invasion. Molecular Ecology, 2022, 31, 1836-1852.	2.0	11
96	The Energetic Costs of Alternative Rate Currencies in the Foraging Starling. Ecology, 1996, 77, 1303-1307.	1.5	10
97	A marker of biological ageing predicts adult risk preference in European starlings, <i>Sturnus vulgaris</i> . Behavioral Ecology, 2018, 29, 589-597.	1.0	10
98	Methodological Issues in Studies of Female Attractiveness. , 2007, , 46-62.		10
99	Early-life begging effort reduces adult body mass but strengthens behavioural defence of the rate of energy intake in European starlings. Royal Society Open Science, 2018, 5, 171918.	1.1	9
100	Transcriptâ€and annotationâ€guided genome assembly of the European starling. Molecular Ecology Resources, 2022, 22, 3141-3160.	2.2	9
101	Dissociating the effects of alternative early-life feeding schedules on the development of adult depression-like phenotypes. Scientific Reports, 2017, 7, 14832.	1.6	8
102	Developmental history and stress responsiveness are related to response inhibition, but not judgement bias, in a cohort of European starlings ( <i>Sturnus vulgaris</i> ). Animal Cognition, 2019, 22, 99-111.	0.9	7
103	Of (stressed) mice and men. Nature Methods, 2014, 11, 623-624.	9.0	5
104	Detecting telomere elongation in longitudinal datasets: analysis of a proposal by Simons, Stulp and Nakagawa. PeerJ, 2017, 5, e3265.	0.9	5
105	Provision of Additional Cup Drinkers Mildly Alleviated Moderate Heat Stress Conditions in Broiler Chickens. Journal of Applied Animal Welfare Science, 2021, 24, 188-199.	0.4	5
106	Effects of early life adversity and sex on dominance in European starlings. Animal Behaviour, 2017, 128, 51-60.	0.8	4
107	Can starlings use a reliable cue of future food deprivation to adaptively modify foraging and fat reserves?. Animal Behaviour, 2018, 142, 147-155.	0.8	4
108	Food Insecurity Moderates the Acute Effect of Subjective Socioeconomic Status on Food Consumption. Frontiers in Psychology, 2019, 10, 1886.	1.1	4

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109	Pacing behaviour in laboratory macaques is an unreliable indicator of acute stress. <i>Scientific Reports</i> , 2019, 9, 7476.	1.6	4
110	Developmental history, energetic state and choice impulsivity in European starlings, <i>Sturnus vulgaris</i> . <i>Animal Cognition</i> , 2019, 22, 413-421.	0.9	4
111	Effects of developmental history on the behavioural responses of European starlings (<i>Sturnus)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.3	3
112	Adaptive principles of weight regulation: Insufficient, but perhaps necessary, for understanding obesity. <i>Behavioral and Brain Sciences</i> , 2017, 40, e131.	0.4	3
113	A Refined Method for Studying Foraging Behaviour and Body Mass in Group-Housed European Starlings. <i>Animals</i> , 2022, 12, 1159.	1.0	3
114	Evaluating the cyclic ratio schedule as an assay of feeding behaviour in the European starling (<i>Sturnus vulgaris</i>). <i>PLoS ONE</i> , 2018, 13, e0206363.	1.1	1
115	Time perception and patience: individual differences in interval timing precision predict choice impulsivity in European starlings, <i>Sturnus vulgaris</i> . <i>Animal Cognition</i> , 2021, 24, 731-745.	0.9	1
116	Melissa Bateson. <i>Current Biology</i> , 2015, 25, R591-R593.	1.8	0