

Alex Kacelnik

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

7,317
citations

50276

46
h-index

58581

82
g-index

121
all docs

121
docs citations

121
times ranked

4509
citing authors

#	ARTICLE	IF	CITATIONS
1	Risky Theoriesâ€™ The Effects of Variance on Foraging Decisions. <i>American Zoologist</i> , 1996, 36, 402-434.	0.7	476
2	Shaping of Hooks in New Caledonian Crows. <i>Science</i> , 2002, 297, 981-981.	12.6	450
3	The value of a smile: Game theory with a human face. <i>Journal of Economic Psychology</i> , 2001, 22, 617-640.	2.2	394
4	Development of tool use in New Caledonian crows: inherited action patterns and social influences. <i>Animal Behaviour</i> , 2006, 72, 1329-1343.	1.9	230
5	Visual perception and social foraging in birds. <i>Trends in Ecology and Evolution</i> , 2004, 19, 25-31.	8.7	184
6	Tool selectivity in a non-primate, the New Caledonian crow (<i>Corvus moneduloides</i>). <i>Animal Cognition</i> , 2002, 5, 71-78.	1.8	182
7	Behavioural ecology: Tool manufacture by naive juvenile crows. <i>Nature</i> , 2005, 433, 121-121.	27.8	180
8	Visual attention and the acquisition of information in human crowds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7245-7250.	7.1	174
9	Flexibility in Problem Solving and Tool Use of Kea and New Caledonian Crows in a Multi Access Box Paradigm. <i>PLoS ONE</i> , 2011, 6, e20231.	2.5	171
10	Species and sex differences in hippocampus size in parasitic and non-parasitic cowbirds. <i>NeuroReport</i> , 1996, 7, 505-508.	1.2	157
11	State-Dependent Learned Valuation Drives Choice in an Invertebrate. <i>Science</i> , 2006, 311, 1613-1615.	12.6	141
12	Cost can increase preference in starlings. <i>Animal Behaviour</i> , 2002, 63, 245-250.	1.9	137
13	Pro-sociality without empathy. <i>Biology Letters</i> , 2012, 8, 910-912.	2.3	136
14	Rate currencies and the foraging starling: the fallacy of the averages revisited. <i>Behavioral Ecology</i> , 1996, 7, 341-352.	2.2	127
15	Chick begging as a signal: are nestlings honest?. <i>Behavioral Ecology</i> , 1996, 7, 178-182.	2.2	125
16	Framing effects and risky decisions in starlings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3352-3355.	7.1	125
17	A New Caledonian crow (<i>Corvus moneduloides</i>) creatively re-designs tools by bending or unbending aluminium strips. <i>Animal Cognition</i> , 2006, 9, 317-334.	1.8	120
18	The Role of Experience in Problem Solving and Innovative Tool Use in Crows. <i>Current Biology</i> , 2009, 19, 1965-1968.	3.9	118

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19	State-Dependent Decisions Cause Apparent Violations of Rationality in Animal Choice. <i>PLoS Biology</i> , 2004, 2, e402.	5.6	114
20	Spontaneous innovation in tool manufacture and use in a Goffinâ€™s cockatoo. <i>Current Biology</i> , 2012, 22, R903-R904.	3.9	113
21	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.	1.1	110
22	Ducklings imprint on the relational concept of 'œsame or different'. <i>Science</i> , 2016, 353, 286-288.	12.6	109
23	Risky Choice and Weber's Law. <i>Journal of Theoretical Biology</i> , 1998, 194, 289-298.	1.7	107
24	Darwinâ€™s 'œtug-of-war' vs. starlingsâ€™ 'œhorse-racing': how adaptations for sequential encounters drive simultaneous choice. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 547-558.	1.4	106
25	Cognitive Processes Associated with Sequential Tool Use in New Caledonian Crows. <i>PLoS ONE</i> , 2009, 4, e6471.	2.5	104
26	Optimal foraging and timing processes in the starling, <i>Sturnus vulgaris</i> : effect of inter-capture interval. <i>Animal Behaviour</i> , 1992, 44, 597-613.	1.9	103
27	Starlingsâ€™ preferences for predictable and unpredictable delays to food. <i>Animal Behaviour</i> , 1997, 53, 1129-1142.	1.9	98
28	Irrational choice and the value of information. <i>Scientific Reports</i> , 2015, 5, 13874.	3.3	95
29	Flock density, social foraging, and scanning: an experiment with starlings. <i>Behavioral Ecology</i> , 2004, 15, 371-379.	2.2	94
30	Selection of tool diameter by New Caledonian crows <i>Corvus moneduloides</i> . <i>Animal Cognition</i> , 2004, 7, 121-127.	1.8	94
31	Information transfer and gain in flocks: the effects of quality and quantity of social information at different neighbour distances. <i>Behavioral Ecology and Sociobiology</i> , 2004, 55, 502-511.	1.4	92
32	Seasonal changes of hippocampus volume in parasitic cowbirds. <i>Behavioural Processes</i> , 1997, 41, 237-243.	1.1	88
33	Triumphs and trials of the risk paradigm. <i>Animal Behaviour</i> , 2013, 86, 1117-1129.	1.9	85
34	The Ecological Significance of Tool Use in New Caledonian Crows. <i>Science</i> , 2010, 329, 1523-1526.	12.6	82
35	Video Cameras on Wild Birds. <i>Science</i> , 2007, 318, 765-765.	12.6	81
36	The wages of violence: mobbing by mockingbirds as a frontline defence against brood-parasitic cowbirds. <i>Animal Behaviour</i> , 2013, 86, 1023-1029.	1.9	73

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37	Increasing the costs of conspecific scanning in socially foraging starlings affects vigilance and foraging behaviour. <i>Animal Behaviour</i> , 2005, 69, 73-81.	1.9	72
38	Simultaneous and sequential choice as a function of reward delay and magnitude: Normative, descriptive and process-based models tested in the European starling (<i>Sturnus vulgaris</i>). <i>Journal of Experimental Psychology</i> , 2008, 34, 75-93.	1.7	71
39	Tool use by wild New Caledonian crows (<i>Corvus moneduloides</i>) at natural foraging sites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1377-1385.	2.6	69
40	Rational Choice, Context Dependence, and the Value of Information in European Starlings (<i>Sturnus vulgaris</i>). <i>Journal of Experimental Psychology</i> , 2010, 36, 622-632.	12.6	62
41	Pea Plants Show Risk Sensitivity. <i>Current Biology</i> , 2016, 26, 1763-1767.	3.9	61
42	Morphology and sexual dimorphism of the New Caledonian Crow <i>Corvus moneduloides</i> , with notes on its behaviour and ecology. <i>Ibis</i> , 2004, 146, 652-660.	1.9	59
43	Timing and Foraging: Gibbon's Scalar Expectancy Theory and Optimal Patch Exploitation. <i>Learning and Motivation</i> , 2002, 33, 177-195.	1.2	54
44	Combinatory actions during object play in psittaciformes (<i>Diopsittaca nobilis</i> , <i>Pionites melanocephala</i>). <i>Journal of Experimental Psychology</i> (Washington, D C: 1983), 2015, 129, 62-71.	0.5	54
45	Context-dependent utility overrides absolute memory as a determinant of choice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 508-512.	7.1	52
46	Explorative Learning and Functional Inferences on a Five-Step Means-Means-End Problem in Goffin's Cockatoos (<i>Cacatua goffini</i>). <i>PLoS ONE</i> , 2013, 8, e68979.	2.5	52
47	Performance decline by search dogs in repetitive tasks, and mitigation strategies. <i>Applied Animal Behaviour Science</i> , 2015, 166, 112-122.	1.9	52
48	State-dependent learning and suboptimal choice: when starlings prefer long over short delays to food. <i>Animal Behaviour</i> , 2005, 70, 571-578.	1.9	51
49	Brood parasite eggs enhance egg survivorship in a multiply parasitized host. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1831-1839.	2.6	50
50	Tools for thought or thoughts for tools?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10071-10072.	7.1	49
51	How costs affect preferences: experiments on state dependence, hedonic state and within-trial contrast in starlings. <i>Animal Behaviour</i> , 2011, 81, 1117-1128.	1.9	48
52	Priors in Animal and Artificial Intelligence: Where Does Learning Begin?. <i>Trends in Cognitive Sciences</i> , 2018, 22, 963-965.	7.8	47
53	Normative and Descriptive Models of Decision Making: Time Discounting and Risk Sensitivity. <i>Novartis Foundation Symposium</i> , 1997, 208, 51-70.	1.1	47
54	Accuracy of memory for amount in the foraging starling, <i>Sturnus vulgaris</i> . <i>Animal Behaviour</i> , 1995, 50, 431-443.	1.9	44

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55	Successive negative contrast in a bird: starlings' behaviour after unpredictable negative changes in food quality. <i>Animal Behaviour</i> , 2009, 77, 857-865.	1.9	43
56	Foraging rate versus sociality in the starling <i>Sturnus vulgaris</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 157-164.	2.6	42
57	State-dependent valuation learning in fish: Banded tetras prefer stimuli associated with greater past deprivation. <i>Behavioural Processes</i> , 2009, 81, 333-336.	1.1	39
58	The economics of nestmate killing in avian brood parasites: a provisions trade-off. <i>Behavioral Ecology</i> , 2012, 23, 132-140.	2.2	38
59	Energy budgets and risk-sensitive foraging in starlings. <i>Behavioral Ecology</i> , 1999, 10, 338-345.	2.2	37
60	Rationality in risk-sensitive foraging choices by starlings. <i>Animal Behaviour</i> , 2002, 64, 869-879.	1.9	35
61	On the evolutionary and ontogenetic origins of tool-oriented behaviour in New Caledonian crows (<i>Corvus moneduloides</i>). <i>Biological Journal of the Linnean Society</i> , 2011, 102, 870-877.	1.6	35
62	Shiny cowbirds share foster mothers but not true mothers in multiply parasitized mockingbird nests. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 681-689.	1.4	34
63	Lateralization of tool use in New Caledonian crows (<i>Corvus moneduloides</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S344-6.	2.6	31
64	Sequential and simultaneous choices: Testing the diet selection and sequential choice models. <i>Behavioural Processes</i> , 2009, 80, 218-223.	1.1	31
65	New Caledonian crows use tools for non-foraging activities. <i>Animal Cognition</i> , 2011, 14, 459-464.	1.8	31
66	Goffin's cockatoos make the same tool type from different materials. <i>Biology Letters</i> , 2016, 12, 20160689.	2.3	30
67	Adaptations to different habitats in sexual and asexual populations of parasitoid wasps: a meta-analysis. <i>PeerJ</i> , 2017, 5, e3699.	2.0	30
68	Memory for inter-reinforcement interval variability and patch departure decisions in the starling, <i>Sturnus vulgaris</i> . <i>Animal Behaviour</i> , 1996, 51, 1025-1045.	1.9	29
69	Vocal culture in New Caledonian crows <i>Corvus moneduloides</i> . <i>Biological Journal of the Linnean Society</i> , 2010, 101, 767-776.	1.6	26
70	Starlings uphold principles of economic rationality for delay and probability of reward. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122386.	2.6	24
71	Leaf-cutting ants tease optimal foraging theorists. <i>Trends in Ecology and Evolution</i> , 1993, 8, 346-348.	8.7	23
72	Choice in multi-alternative environments: A trial-by-trial implementation of the Sequential Choice Model. <i>Behavioural Processes</i> , 2010, 84, 435-439.	1.1	23

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73	Paradoxical choice in rats: Subjective valuation and mechanism of choice. <i>Behavioural Processes</i> , 2018, 152, 73-80.	1.1	23
74	Object caching in corvids: Incidence and significance. <i>Behavioural Processes</i> , 2014, 102, 25-32.	1.1	22
75	Strategic egg destruction by brood-parasitic cowbirds?. <i>Animal Behaviour</i> , 2014, 93, 229-235.	1.9	22
76	The influence of emotional facial expressions on gaze-following in grouped and solitary pedestrians. <i>Scientific Reports</i> , 2015, 4, 5794.	3.3	22
77	Effect of food deprivation on dominance status in blue-footed booby (<i>Sula nebouxii</i>) broods. <i>Behavioral Ecology</i> , 1996, 7, 82-88.	2.2	21
78	Host manipulation via begging call structure in the brood-parasitic shiny cowbird. <i>Animal Behaviour</i> , 2013, 86, 101-109.	1.9	20
79	Monocular Tool Control, Eye Dominance, and Laterality in New Caledonian Crows. <i>Current Biology</i> , 2014, 24, 2930-2934.	3.9	20
80	Choice processes in multialternative decision making. <i>Behavioral Ecology</i> , 2007, 18, 541-550.	2.2	16
81	Increasing the persistence of a heterogeneous behavior chain: Studies of extinction in a rat model of search behavior of working dogs. <i>Behavioural Processes</i> , 2016, 129, 44-53.	1.1	15
82	Planning host exploitation through prospecting visits by parasitic cowbirds. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	1.4	15
83	Context-Dependent Preferences in Starlings: Linking Ecology, Foraging and Choice. <i>PLoS ONE</i> , 2013, 8, e64934.	2.5	15
84	Distribution of substance P reveals a novel subdivision in the hippocampus of parasitic South American cowbirds. <i>Journal of Comparative Neurology</i> , 2006, 496, 610-626.	1.6	14
85	Parallel vs. comparative evaluation of alternative options by colonies and individuals of the ant <i>Temnothorax rugatulus</i> . <i>Scientific Reports</i> , 2018, 8, 12730.	3.3	14
86	Cognitive mechanisms of risky choice: Is there an evaluation cost?. <i>Behavioural Processes</i> , 2012, 89, 95-103.	1.1	13
87	Asymmetric visual input and route recapitulation in homing pigeons. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151957.	2.6	12
88	Choosing fast and simply: Construction of preferences by starlings through parallel option valuation. <i>PLoS Biology</i> , 2020, 18, e3000841.	5.6	11
89	Behavioral adjustment to modifications in the temporal parameters of the environment. <i>Behavioural Processes</i> , 1999, 45, 173-191.	1.1	10
90	Opening a lockbox through physical exploration. , 2017, , .		10

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91	Maintaining performance in searching dogs: Evidence from a rat model that training to detect a second (irrelevant) stimulus can maintain search and detection responding. <i>Behavioural Processes</i> , 2018, 157, 161-170.	1.1	9
92	Midsession reversal task with pigeons: Parallel processing of alternatives explains choices.. <i>Journal of Experimental Psychology Animal Learning and Cognition</i> , 2018, 44, 272-279.	0.5	9
93	Risk sensitivity for amounts of and delay to rewards: Adaptation for uncertainty or by-product of reward rate maximising?. <i>Behavioural Processes</i> , 2012, 89, 104-114.	1.1	7
94	Sex differences in the use of spatial cues in two avian brood parasites. <i>Animal Cognition</i> , 2021, 24, 205-212.	1.8	7
95	Roosting behaviour is related to reproductive strategy in brood parasitic cowbirds. <i>Ibis</i> , 2018, 160, 779-789.	1.9	6
96	Swapping mallards: monocular imprints in ducklings are unavailable to the opposite eye. <i>Animal Behaviour</i> , 2016, 122, 99-107.	1.9	5
97	Population dynamics and avian brood parasitism: persistence and invasions in a three-species system. <i>Journal of Animal Ecology</i> , 2005, 74, 274-284.	2.8	4
98	Sex differences in learning flexibility in an avian brood parasite, the shiny cowbird. <i>Behavioural Processes</i> , 2021, 189, 104438.	1.1	4
99	Animal foraging: More than met the eye. <i>Trends in Ecology and Evolution</i> , 1998, 13, 110-111.	8.7	3
100	Navigating in a volumetric world: Metric encoding in the vertical axis of space. <i>Behavioral and Brain Sciences</i> , 2013, 36, 546-547.	0.7	3
101	Ducklings imprint on chromatic heterogeneity. <i>Animal Cognition</i> , 2019, 22, 769-775.	1.8	3
102	Imprinting on time-structured acoustic stimuli in ducklings. <i>Biology Letters</i> , 2021, 17, 20210381.	2.3	3
103	On the flexibility of lizards' cognition: a comment on Leal & Powell (2011). <i>Biology Letters</i> , 2012, 8, 42-43.	2.3	2
104	Behavioral risk compensation and the efficacy of nonpharmacological interventions. <i>Behavioural Public Policy</i> , 2022, 6, 1-12.	2.4	2
105	Development of physical problem-solving competences in human infants and corvids. , 2016, , .		1
106	Response to Comments on "Ducklings imprint on the relational concept of "same or different"" <i>Science</i> , 2017, 355, 806-806.	12.6	1
107	Automated radio tracking provides evidence for social pair bonds in an obligate brood parasite. <i>Ibis</i> , 2022, 164, 1180-1191.	1.9	1
108	Alex Kacelnik. <i>Current Biology</i> , 2010, 20, R662-R663.	3.9	0