

Alex Kacelnik

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

7,317
citations

57681

46
h-index

66518

82
g-index

121
all docs

121
docs citations

121
times ranked

5102
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavioral risk compensation and the efficacy of nonpharmacological interventions. Behavioural Public Policy, 2022, 6, 1-12.	1.6	2
2	Automated radio tracking provides evidence for social pair bonds in an obligate brood parasite. Ibis, 2022, 164, 1180-1191.	1.0	1
3	Sex differences in the use of spatial cues in two avian brood parasites. Animal Cognition, 2021, 24, 205-212.	0.9	7
4	Sex differences in learning flexibility in an avian brood parasite, the shiny cowbird. Behavioural Processes, 2021, 189, 104438.	0.5	4
5	Imprinting on time-structured acoustic stimuli in ducklings. Biology Letters, 2021, 17, 20210381.	1.0	3
6	Choosing fast and simply: Construction of preferences by starlings through parallel option valuation. PLoS Biology, 2020, 18, e3000841.	2.6	11
7	Ducklings imprint on chromatic heterogeneity. Animal Cognition, 2019, 22, 769-775.	0.9	3
8	Roosting behaviour is related to reproductive strategy in brood parasitic cowbirds. Ibis, 2018, 160, 779-789.	1.0	6
9	Paradoxical choice in rats: Subjective valuation and mechanism of choice. Behavioural Processes, 2018, 152, 73-80.	0.5	23
10	Maintaining performance in searching dogs: Evidence from a rat model that training to detect a second (irrelevant) stimulus can maintain search and detection responding. Behavioural Processes, 2018, 157, 161-170.	0.5	9
11	Priors in Animal and Artificial Intelligence: Where Does Learning Begin?. Trends in Cognitive Sciences, 2018, 22, 963-965.	4.0	47
12	Parallel vs. comparative evaluation of alternative options by colonies and individuals of the ant <i>Temnothorax rugatulus</i> . Scientific Reports, 2018, 8, 12730.	1.6	14
13	Midsession reversal task with pigeons: Parallel processing of alternatives explains choices.. Journal of Experimental Psychology Animal Learning and Cognition, 2018, 44, 272-279.	0.3	9
14	Response to Comments on "Ducklings imprint on the relational concept of "same or different"" Science, 2017, 355, 806-806.	6.0	1
15	Planning host exploitation through prospecting visits by parasitic cowbirds. Behavioral Ecology and Sociobiology, 2017, 71, 1.	0.6	15
16	Opening a lockbox through physical exploration. , 2017, , .		10
17	Adaptations to different habitats in sexual and asexual populations of parasitoid wasps: a meta-analysis. PeerJ, 2017, 5, e3699.	0.9	30
18	Pea Plants Show Risk Sensitivity. Current Biology, 2016, 26, 1763-1767.	1.8	61

#	ARTICLE	IF	CITATIONS
19	Development of physical problem-solving competences in human infants and corvids. , 2016, , .		1
20	Ducklings imprint on the relational concept of "same or different". Science, 2016, 353, 286-288.	6.0	109
21	Swapping mallards: monocular imprints in ducklings are unavailable to the opposite eye. Animal Behaviour, 2016, 122, 99-107.	0.8	5
22	Goffin's cockatoos make the same tool type from different materials. Biology Letters, 2016, 12, 20160689.	1.0	30
23	Increasing the persistence of a heterogeneous behavior chain: Studies of extinction in a rat model of search behavior of working dogs. Behavioural Processes, 2016, 129, 44-53.	0.5	15
24	Combinatory actions during object play in psittaciformes (Diopsittaca nobilis, Pionites melanocephala.) Tj ETQq0 0 0 rgBT /Overlock 10 Psychology (Washington, D C: 1983), 2015, 129, 62-71.	0.3	54
25	The influence of emotional facial expressions on gaze-following in grouped and solitary pedestrians. Scientific Reports, 2015, 4, 5794.	1.6	22
26	Irrational choice and the value of information. Scientific Reports, 2015, 5, 13874.	1.6	95
27	Performance decline by search dogs in repetitive tasks, and mitigation strategies. Applied Animal Behaviour Science, 2015, 166, 112-122.	0.8	52
28	Asymmetric visual input and route recapitulation in homing pigeons. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151957.	1.2	12
29	Monocular Tool Control, Eye Dominance, and Laterality in New Caledonian Crows. Current Biology, 2014, 24, 2930-2934.	1.8	20
30	Shiny cowbirds share foster mothers but not true mothers in multiply parasitized mockingbird nests. Behavioral Ecology and Sociobiology, 2014, 68, 681-689.	0.6	34
31	Object caching in corvids: Incidence and significance. Behavioural Processes, 2014, 102, 25-32.	0.5	22
32	Strategic egg destruction by brood-parasitic cowbirds?. Animal Behaviour, 2014, 93, 229-235.	0.8	22
33	Triumphs and trials of the risk paradigm. Animal Behaviour, 2013, 86, 1117-1129.	0.8	85
34	The wages of violence: mobbing by mockingbirds as a frontline defence against brood-parasitic cowbirds. Animal Behaviour, 2013, 86, 1023-1029.	0.8	73
35	Host manipulation via begging call structure in the brood-parasitic shiny cowbird. Animal Behaviour, 2013, 86, 101-109.	0.8	20
36	Starlings uphold principles of economic rationality for delay and probability of reward. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122386.	1.2	24

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37	Navigating in a volumetric world: Metric encoding in the vertical axis of space. Behavioral and Brain Sciences, 2013, 36, 546-547.	0.4	3
38	Explorative Learning and Functional Inferences on a Five-Step Means-Means-End Problem in Goffinâ€™s Cockatoos (Cacatua goffini). PLoS ONE, 2013, 8, e68979.	1.1	52
39	Context-Dependent Preferences in Starlings: Linking Ecology, Foraging and Choice. PLoS ONE, 2013, 8, e64934.	1.1	15
40	On the flexibility of lizards' cognition: a comment on Leal & Powell (2011). Biology Letters, 2012, 8, 42-43.	1.0	2
41	Visual attention and the acquisition of information in human crowds. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7245-7250.	3.3	174
42	Pro-sociality without empathy. Biology Letters, 2012, 8, 910-912.	1.0	136
43	Brood parasite eggs enhance egg survivorship in a multiply parasitized host. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1831-1839.	1.2	50
44	Risk sensitivity for amounts of and delay to rewards: Adaptation for uncertainty or by-product of reward rate maximising?. Behavioural Processes, 2012, 89, 104-114.	0.5	7
45	Cognitive mechanisms of risky choice: Is there an evaluation cost?. Behavioural Processes, 2012, 89, 95-103.	0.5	13
46	Spontaneous innovation in tool manufacture and use in a Goffinâ€™s cockatoo. Current Biology, 2012, 22, R903-R904.	1.8	113
47	The economics of nestmate killing in avian brood parasites: a provisions trade-off. Behavioral Ecology, 2012, 23, 132-140.	1.0	38
48	On the evolutionary and ontogenetic origins of tool-oriented behaviour in New Caledonian crows (Corvus moneduloides). Biological Journal of the Linnean Society, 2011, 102, 870-877.	0.7	35
49	How costs affect preferences: experiments on state dependence, hedonic state and within-trial contrast in starlings. Animal Behaviour, 2011, 81, 1117-1128.	0.8	48
50	New Caledonian crows use tools for non-foraging activities. Animal Cognition, 2011, 14, 459-464.	0.9	31
51	Darwinâ€™s â€œtug-of-warâ€ vs. starlingsâ€™ â€œhorse-racingâ€: how adaptations for sequential encounters drive simultaneous choice. Behavioral Ecology and Sociobiology, 2011, 65, 547-558.	0.6	106
52	Rational Choice, Context Dependence, and the Value of Information in European Starlings (Sturnia vulgaris) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	6.0	62
53	Flexibility in Problem Solving and Tool Use of Kea and New Caledonian Crows in a Multi Access Box Paradigm. PLoS ONE, 2011, 6, e20231.	1.1	171
54	Alex Kacelnik. Current Biology, 2010, 20, R662-R663.	1.8	0

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55	Vocal culture in New Caledonian crows <i>Corvus moneduloides</i> . <i>Biological Journal of the Linnean Society</i> , 2010, 101, 767-776.	0.7	26
56	The Ecological Significance of Tool Use in New Caledonian Crows. <i>Science</i> , 2010, 329, 1523-1526.	6.0	82
57	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.	1.2	69
58	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.	3.3	52
59	Choice in multi-alternative environments: A trial-by-trial implementation of the Sequential Choice Model. <i>Behavioural Processes</i> , 2010, 84, 435-439.	0.5	23
60	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.	3.3	49
61	The Role of Experience in Problem Solving and Innovative Tool Use in Crows. <i>Current Biology</i> , 2009, 19, 1965-1968.	1.8	118
62	State-dependent valuation learning in fish: Banded tetras prefer stimuli associated with greater past deprivation. <i>Behavioural Processes</i> , 2009, 81, 333-336.	0.5	39
63	Sequential and simultaneous choices: Testing the diet selection and sequential choice models. <i>Behavioural Processes</i> , 2009, 80, 218-223.	0.5	31
64	Successive negative contrast in a bird: starlings' behaviour after unpredictable negative changes in food quality. <i>Animal Behaviour</i> , 2009, 77, 857-865.	0.8	43
65	Cognitive Processes Associated with Sequential Tool Use in New Caledonian Crows. <i>PLoS ONE</i> , 2009, 4, e6471.	1.1	104
66	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.	1.9	71
67	Choice processes in multialternative decision making. <i>Behavioral Ecology</i> , 2007, 18, 541-550.	1.0	16
68	Video Cameras on Wild Birds. <i>Science</i> , 2007, 318, 765-765.	6.0	81
69	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.	0.9	120
70	Development of tool use in New Caledonian crows: inherited action patterns and social influences. <i>Animal Behaviour</i> , 2006, 72, 1329-1343.	0.8	230
71	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.	0.9	14
72	State-Dependent Learned Valuation Drives Choice in an Invertebrate. <i>Science</i> , 2006, 311, 1613-1615.	6.0	141

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73	Population dynamics and avian brood parasitism: persistence and invasions in a three-species system. <i>Journal of Animal Ecology</i> , 2005, 74, 274-284.	1.3	4
74	Behavioural ecology: Tool manufacture by naive juvenile crows. <i>Nature</i> , 2005, 433, 121-121.	13.7	180
75	Increasing the costs of conspecific scanning in socially foraging starlings affects vigilance and foraging behaviour. <i>Animal Behaviour</i> , 2005, 69, 73-81.	0.8	72
76	State-dependent learning and suboptimal choice: when starlings prefer long over short delays to food. <i>Animal Behaviour</i> , 2005, 70, 571-578.	0.8	51
77	Flock density, social foraging, and scanning: an experiment with starlings. <i>Behavioral Ecology</i> , 2004, 15, 371-379.	1.0	94
78	State-Dependent Decisions Cause Apparent Violations of Rationality in Animal Choice. <i>PLoS Biology</i> , 2004, 2, e402.	2.6	114
79	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.	1.0	59
80	Selection of tool diameter by New Caledonian crows <i>Corvus moneduloides</i> . <i>Animal Cognition</i> , 2004, 7, 121-127.	0.9	94
81	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.	0.6	92
82	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.	1.2	31
83	Visual perception and social foraging in birds. <i>Trends in Ecology and Evolution</i> , 2004, 19, 25-31.	4.2	184
84	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.	3.3	125
85	Shaping of Hooks in New Caledonian Crows. <i>Science</i> , 2002, 297, 981-981.	6.0	450
86	Tool selectivity in a non-primate, the New Caledonian crow (<i>Corvus moneduloides</i>). <i>Animal Cognition</i> , 2002, 5, 71-78.	0.9	182
87	Cost can increase preference in starlings. <i>Animal Behaviour</i> , 2002, 63, 245-250.	0.8	137
88	Rationality in risk-sensitive foraging choices by starlings. <i>Animal Behaviour</i> , 2002, 64, 869-879.	0.8	35
89	Timing and Foraging: Gibbon's Scalar Expectancy Theory and Optimal Patch Exploitation. <i>Learning and Motivation</i> , 2002, 33, 177-195.	0.6	54
90	The value of a smile: Game theory with a human face. <i>Journal of Economic Psychology</i> , 2001, 22, 617-640.	1.1	394

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91	Foraging rate versus sociality in the starling <i>Sturnus vulgaris</i> . Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 157-164.	1.2	42
92	Energy budgets and risk-sensitive foraging in starlings. Behavioral Ecology, 1999, 10, 338-345.	1.0	37
93	Behavioral adjustment to modifications in the temporal parameters of the environment. Behavioural Processes, 1999, 45, 173-191.	0.5	10
94	Risky Choice and Weber's Law. Journal of Theoretical Biology, 1998, 194, 289-298.	0.8	107
95	Animal foraging: More than met the eye. Trends in Ecology and Evolution, 1998, 13, 110-111.	4.2	3
96	Seasonal changes of hippocampus volume in parasitic cowbirds. Behavioural Processes, 1997, 41, 237-243.	0.5	88
97	Starlings'™ preferences for predictable and unpredictable delays to food. Animal Behaviour, 1997, 53, 1129-1142.	0.8	98
98	Normative and Descriptive Models of Decision Making: Time Discounting and Risk Sensitivity. Novartis Foundation Symposium, 1997, 208, 51-70.	1.2	47
99	Species and sex differences in hippocampus size in parasitic and non-parasitic cowbirds. NeuroReport, 1996, 7, 505-508.	0.6	157
100	Memory for inter-reinforcement interval variability and patch departure decisions in the starling, <i>Sturnus vulgaris</i> . Animal Behaviour, 1996, 51, 1025-1045.	0.8	29
101	Rate currencies and the foraging starling: the fallacy of the averages revisited. Behavioral Ecology, 1996, 7, 341-352.	1.0	127
102	Effect of food deprivation on dominance status in blue-footed booby (<i>Sula nebouxii</i>) broods. Behavioral Ecology, 1996, 7, 82-88.	1.0	21
103	Risky Theories'™ The Effects of Variance on Foraging Decisions. American Zoologist, 1996, 36, 402-434.	0.7	476
104	Chick begging as a signal: are nestlings honest?. Behavioral Ecology, 1996, 7, 178-182.	1.0	125
105	PREFERENCES FOR FIXED AND VARIABLE FOOD SOURCES: VARIABILITY IN AMOUNT AND DELAY. Journal of the Experimental Analysis of Behavior, 1995, 63, 313-329.	0.8	110
106	Accuracy of memory for amount in the foraging starling, <i>Sturnus vulgaris</i> . Animal Behaviour, 1995, 50, 431-443.	0.8	44
107	Leaf-cutting ants tease optimal foraging theorists. Trends in Ecology and Evolution, 1993, 8, 346-348.	4.2	23
108	Optimal foraging and timing processes in the starling, <i>Sturnus vulgaris</i> : effect of inter-capture interval. Animal Behaviour, 1992, 44, 597-613.	0.8	103