Robert G Cook

List of Publications by Citations

86 papers	2,020 citations	26 h-index	41 g-index
86 ext. papers	2,273 ext. citations	3.5 avg, IF	4.93 L-index

#	Paper	IF	Citations
86	Implicit and explicit categorization: a tale of four species. *Neuroscience and Biobehavioral Reviews*, **2012**, 36, 2355-69	9	138
85	Concept learning by pigeons: Matching-to-sample with trial-unique video picture stimuli. *Learning and Behavior*, **1988**, 16, 436-444		130
84	Flexible memory processing by rats: Use of prospective and retrospective information in the radial maze.. *Journal of Experimental Psychology*, **1985**, 11, 453-469		92
83	Variability discrimination in humans and animals: implications for adaptive action. *American Psychologist*, **2004**, 59, 879-90	9.5	91
82	Evidence for large long-term memory capacities in baboons and pigeons and its implications for learning and the evolution of cognition. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 17564-7	11.5	90
81	Pigeons' categorization may be exclusively nonanalytic. *Psychonomic Bulletin and Review*, **2011**, 18, 414-21	4.1	85
80	Stages of abstraction and exemplar memorization in pigeon category learning. *Psychological Science*, **2006**, 17, 1059-67	7.9	63
79	Capacity and limits of associative memory in pigeons. *Psychonomic Bulletin and Review*, **2005**, 12, 350-8	4.1	61
78	Two-item same-different concept learning in pigeons. *Learning and Behavior*, **2005**, 33, 67-77		60
77	Cognitive precedence for local information in hierarchical stimulus processing by pigeons.. *Journal of Experimental Psychology*, **2001**, 27, 3-16		56
76	Successive two-item same-different discrimination and concept learning by pigeons. *Behavioural Processes*, **2003**, 62, 125-144	1.6	45
75	Temporal control of internal states in pigeons. *Psychonomic Bulletin and Review*, **2010**, 17, 915-22	4.1	43
74	Pigeon same-different concept learning with multiple stimulus classes.. *Journal of Experimental Psychology*, **1997**, 23, 417-433		43
73	Same-different texture discrimination and concept learning by pigeons.. *Journal of Experimental Psychology*, **1995**, 21, 253-260		42
72	Mechanisms of multidimensional grouping, fusion, and search in avian texture discrimination. *Learning and Behavior*, **1996**, 24, 150-167		40
71	Genetic enhancement of visual learning by activation of protein kinase C pathways in small groups of rat cortical neurons. *Journal of Neuroscience*, **2005**, 25, 8468-81	6.6	38
70	Touchscreen-enhanced visual learning in rats. *Behavior Research Methods*, **2004**, 36, 101-6		37

69	Learning and transfer of relational matching-to-sample by pigeons. *Psychonomic Bulletin and Review*, **2007**, 14, 1107-14	4.1	35
68	The contribution of monocular depth cues to scene perception by pigeons. *Psychological Science*, **2006**, 17, 628-34	7.9	35
67	Dimensional organization and texture discrimination in pigeons.. *Journal of Experimental Psychology*, **1992**, 18, 354-363		34
66	Testing meter, rhythm, and tempo discriminations in pigeons. *Behavioural Processes*, **2010**, 85, 99-110	1.6	33
65	Acquisition and transfer of visual texture discriminations by pigeons.. *Journal of Experimental Psychology*, **1992**, 18, 341-353		32
64	Improved spatial learning in aged rats by genetic activation of protein kinase C in small groups of hippocampal neurons. *Hippocampus*, **2009**, 19, 413-23	3.5	29
63	Landmark geometry and identity controls spatial navigation in rats. *Learning and Behavior*, **1997**, 25, 312-323		27
62	Mind the gap: means‐end discrimination by pigeons. *Animal Behaviour*, **2006**, 71, 599-608	2.8	26
61	Retroactive interference in pigeon short-term memory by a reduction in ambient illumination.. *Journal of Experimental Psychology*, **1980**, 6, 326-338		26
60	Shape from shading in pigeons. *Cognition*, **2012**, 124, 284-303	3.5	25
59	First trial rewards promote 1-trial learning and prolonged memory in pigeon and baboon. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 9530-3	11.5	24
58	Interstimulus interval and viewing time effects in monkey list memory. *Learning and Behavior*, **1991**, 19, 153-163		22
57	Dynamic object perception by pigeons: discrimination of action in video presentations. *Animal Cognition*, **2001**, 4, 137-46	3.1	21
56	Categorization of birds, mammals, and chimeras by pigeons. *Behavioural Processes*, **2013**, 93, 98-110	1.6	20
55	Differential effects of visual context on pattern discrimination by pigeons (Columba livia) and humans (Homo sapiens). *Journal of Comparative Psychology (Washington, D C: 1983)*, **2003**, 117, 200-8	2.1	20
54	The Comparative Psychology of Avian Visual Cognition. *Current Directions in Psychological Science*, **2000**, 9, 83-89	6.5	20
53	The Experimental Analysis of Cognition in Animals. *Psychological Science*, **1993**, 4, 174-178	7.9	20
52	Identified circuit in rat postrhinal cortex encodes essential information for performing specific visual shape discriminations. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 14478-83	11.5	19

51	Experimental Divergences in the Visual Cognition of Birds and Mammals. *Comparative Cognition and Behavior Reviews*, **2015**, 10, 73-105		18
50	Chord Discrimination by Pigeons. *Music Perception*, **2010**, 27, 183-196	1.6	18
49	Rotational object discrimination by pigeons. *Journal of Experimental Psychology*, **2009**, 35, 250-65		18
48	The Organization of Behavior Over Time: Insights from Mid-Session Reversal. *Comparative Cognition and Behavior Reviews*, **2016**, 11, 103-125		18
47	The structure of pigeon multiple-class same-different learning. *Journal of the Experimental Analysis of Behavior*, **2002**, 78, 345-64	2.1	17
46	Black-capped chickadee (Poecile atricapillus) and human (Homo sapiens) chord discrimination. *Journal of Comparative Psychology (Washington, D C: 1983)*, **2012**, 126, 57-67	2.1	15
45	The role of video coherence on object-based motion discriminations by pigeons. *Journal of Experimental Psychology*, **2007**, 33, 287-98		15
44	Dynamic cue use in pigeon mid-session reversal. *Behavioural Processes*, **2017**, 137, 53-63	1.6	14
43	Discrimination and categorization of actions by pigeons. *Psychological Science*, **2012**, 23, 617-24	7.9	14
42	Visual control of an action discrimination in pigeons. *Journal of Vision*, **2014**, 14, 16	0.4	13
41	Avian detection and identification of perceptual organization in random noise. *Behavioural Processes*, **2005**, 69, 79-95	1.6	13
40	Relational and absolute stimulus learning by monkeys in a memory task. *Journal of the Experimental Analysis of Behavior*, **1989**, 52, 237-48	2.1	13
39	Generalized auditory same-different discrimination by pigeons. *Journal of Experimental Psychology*, **2009**, 35, 108-15		12
38	CaMKII, MAPK, and CREB are coactivated in identified neurons in a neocortical circuit required for performing visual shape discriminations. *Hippocampus*, **2012**, 22, 2276-89	3.5	11
37	Temporal properties of visual search in pigeon target localization. *Journal of Experimental Psychology*, **2012**, 38, 209-16		11
36	Absolute and relational control of a sequential auditory discrimination by pigeons (Columba livia). *Behavioural Processes*, **2008**, 77, 210-22	1.6	11
35	Functional Segregation of the Entopallium in Pigeons. *Philosophy*, **2013**, 130, 59-86	0.4	11
34	Testing analogical rule transfer in pigeons (Columba livia). *Cognition*, **2019**, 183, 256-268	3.5	11

33	Shape from shading in starlings (Sturnus vulgaris). *Journal of Comparative Psychology (Washington, D C: 1983)*, **2014**, 128, 343-56	2.1	10
32	"Insight" in pigeons: absence of means-end processing in displacement tests. *Animal Cognition*, **2014**, 17, 207-20	3.1	10
31	Velocity-based motion categorization by pigeons. *Journal of Experimental Psychology*, **2011**, 37, 175-88		10
30	Active change detection by pigeons and humans. *Journal of Experimental Psychology*, **2013**, 39, 383-9		9
29	Not all same-different discriminations are created equal: Evidence contrary to a unidimensional account of same-different learning. *Learning and Motivation*, **2006**, 37, 189-208	1.3	8
28	On the Role of Memory in Concept Learning by Pigeons. *Psychological Record*, **1990**, 40, 359-371	1.1	8
27	Pigeons and humans use action and pose information to categorize complex human behaviors. *Vision Research*, **2017**, 131, 16-25	2.1	7
26	An identified ensemble within a neocortical circuit encodes essential information for genetically-enhanced visual shape learning. *Hippocampus*, **2019**, 29, 710-725	3.5	7
25	The Analysis of Visual Cognition in Birds: Implications for Evolution, Mechanism, and Representation. *Psychology of Learning and Motivation - Advances in Research and Theory*, **2015**, 63, 173-210	1.4	7
24	Temporal dynamics of task switching and abstract-concept learning in pigeons. *Frontiers in Psychology*, **2015**, 6, 1334	3.4	7
23	Short-term item memory in successive same-different discriminations. *Behavioural Processes*, **2006**, 72, 255-64	1.6	7
22	The perception of Glass patterns by starlings (Sturnus vulgaris). *Psychonomic Bulletin and Review*, **2015**, 22, 687-93	4.1	6
21	Perception of Ebbinghaus-Titchener stimuli in starlings (Sturnus vulgaris). *Animal Cognition*, **2019**, 22, 973-989	3.1	6
20	Timbre influences chord discrimination in black-capped chickadees (Poecile atricapillus) but not humans (Homo sapiens). *Journal of Comparative Psychology (Washington, D C: 1983)*, **2014**, 128, 387-401	2.1	6
19	Discrimination of complex human behavior by pigeons (Columba livia) and humans. *PLoS ONE*, **2014** , 9, e112342	3.7	6
18	The adaptive analysis of visual cognition using genetic algorithms. *Journal of Experimental Psychology*, **2013**, 39, 357-76		5
17	Complex conditional control by pigeons in a continuous virtual environment. *Journal of the Experimental Analysis of Behavior*, **2016**, 105, 211-29	2.1	4
16	Pigeons use high spatial frequencies when memorizing pictures. *Journal of Experimental Psychology Animal Learning and Cognition*, **2015**, 41, 277-85	1.4	4

15	Stimulus repetition effects on texture-based visual search by pigeons.. *Journal of Experimental Psychology*, **2000**, 26, 220-236		4
14	Auditory same/different concept learning and generalization in black-capped chickadees (Poecile atricapillus). *PLoS ONE*, **2012**, 7, e47691	3.7	3
13	Characteristic and intermingled neocortical circuits encode different visual object discriminations. *Behavioural Brain Research*, **2017**, 331, 261-275	3.4	2
12	Visualizing search behavior with adaptive discriminations. *Behavioural Processes*, **2014**, 102, 40-50	1.6	2
11	Discrimination of dynamic change and constancy over time by pigeons. *Psychonomic Bulletin and Review*, **2011**, 18, 697-704	4.1	2
10	Examination of long-term visual memorization capacity in the Clarkʼs nutcracker (Nucifraga columbiana). *Psychonomic Bulletin and Review*, **2018**, 25, 2274-2280	4.1	1
9	Detection and discrimination of complex sounds by pigeons (Columba livia). *Behavioural Processes*, **2016**, 123, 114-24	1.6	1
8	The effect of learning on heart rate and behavior of European starlings (Sturnus vulgaris). *Journal of Experimental Zoology Part A: Ecological and Integrative Physiology*, **2019**, 331, 506-516	1.9	1
7	Pigeons simultaneously attend to static and dynamic features of complex displays. *Behavioural Processes*, **2019**, 158, 77-84	1.6	1
6	Examining the extents of same/different processing in non-human animals. *Current Opinion in Behavioral Sciences*, **2021**, 37, 98-102	4	1
5	Pigeons process actor-action configurations more readily than bystander-action configurations. *Learning and Behavior*, **2020**, 48, 41-52	1.3	0
4	Endpoint distinctiveness facilitates analogical mapping in pigeons. *Behavioural Processes*, **2015**, 112, 72-80	1.6	0
3	Perceptual grouping and detection of trial-unique emergent structures by pigeons.. *Animal Cognition*, **2022**, 1	3.1	0
2	Within-session dynamics of categorical and memory mechanisms in pigeons. *Psychonomic Bulletin and Review*, **2021**, 28, 548-555	4.1	0
1	Towards describing scenes by animals: Pigeonsʼordinal discrimination of objects varying in depth. *Learning and Behavior*, **2021**, 49, 85-98	1.3	