

Lucia F Jacobs

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,873
citations

186265

28
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

3373
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolution of self-control. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2140-8.	7.1	602
2	Spatial memory and adaptive specialization of the hippocampus. Trends in Neurosciences, 1992, 15, 298-303.	8.6	384
3	Unpacking the cognitive map: The parallel map theory of hippocampal function.. Psychological Review, 2003, 110, 285-315.	3.8	277
4	Behavioural modulation of predation risk: moonlight avoidance and crepuscular compensation in a nocturnal desert rodent, <i>Dipodomys merriami</i> . Animal Behaviour, 1992, 44, 1-9.	1.9	207
5	How does cognition evolve? Phylogenetic comparative psychology. Animal Cognition, 2012, 15, 223-238.	1.8	207
6	From chemotaxis to the cognitive map: The function of olfaction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10693-10700.	7.1	171
7	Natural Space-Use Patterns and Hippocampal Size in Kangaroo Rats. Brain, Behavior and Evolution, 1994, 44, 125-132.	1.7	163
8	Deficits in Cognition and Synaptic Plasticity in a Mouse Model of Down Syndrome Ameliorated by GABAB Receptor Antagonists. Journal of Neuroscience, 2012, 32, 9217-9227.	3.6	160
9	Grey squirrels remember the locations of buried nuts. Animal Behaviour, 1991, 41, 103-110.	1.9	116
10	Scatter hoarding by kangaroo rats (<i>Dipodomys merriami</i>) and pilferage from their caches. Behavioral Ecology, 1992, 3, 102-111.	2.2	111
11	Sexual selection and the brain. Trends in Ecology and Evolution, 1996, 11, 82-86.	8.7	103
12	The seasonal pattern of cell proliferation and neuron number in the dentate gyrus of wild adult eastern grey squirrels. European Journal of Neuroscience, 2000, 12, 643-648.	2.6	93
13	The effect of handling time on the decision to cache by grey squirrels. Animal Behaviour, 1992, 43, 522-524.	1.9	92
14	Navigation outside of the box: what the lab can learn from the field and what the field can learn from the lab. Movement Ecology, 2014, 2, 3.	2.8	89
15	The Evolution of the Cognitive Map. Brain, Behavior and Evolution, 2003, 62, 128-139.	1.7	81
16	Memory for cache locations in Merriam's kangaroo rats. Animal Behaviour, 1992, 43, 585-593.	1.9	77
17	Specialized parasitoid attracted to a pheromone of ants. Animal Behaviour, 1996, 51, 61-66.	1.9	72
18	Scene complexity: Influence on perception, memory, and development in the medial temporal lobe. Frontiers in Human Neuroscience, 2010, 4, 21.	2.0	70

#	ARTICLE	IF	CITATIONS
19	Characteristics of kangaroo rats, <i>Dipodomys merriami</i> , associated with differential predation risk. <i>Animal Behaviour</i> , 1990, 40, 380-389.	1.9	69
20	Sex differences in directional cue use in a virtual landscape.. <i>Behavioral Neuroscience</i> , 2009, 123, 276-283.	1.2	67
21	Sex differences, but no seasonal variations in the hippocampus of food-caching squirrels: A stereological study. <i>Journal of Comparative Neurology</i> , 2000, 425, 152-166.	1.6	63
22	Olfactory Orientation and Navigation in Humans. <i>PLoS ONE</i> , 2015, 10, e0129387.	2.5	54
23	Conspecific pilferage but not presence affects Merriam's kangaroo rat cache strategy. <i>Behavioral Ecology</i> , 2001, 12, 517-523.	2.2	53
24	Effects of cue types on sex differences in human spatial memory. <i>Behavioural Brain Research</i> , 2010, 208, 336-342.	2.2	51
25	Sex differences in object recognition are modulated by object similarity. <i>Behavioural Brain Research</i> , 2012, 233, 288-292.	2.2	47
26	Sex and species differences in spatial memory in food-storing kangaroo rats. <i>Animal Behaviour</i> , 2007, 73, 321-329.	1.9	37
27	Sex-specific strategies in spatial orientation in C57BL/6J mice. <i>Behavioural Processes</i> , 2009, 82, 249-255.	1.1	34
28	Cache Decision Making: The Effects of Competition on Cache Decisions in Merriam's Kangaroo Rat (<i>Dipodomys merriami</i>).. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2005, 119, 187-196.	0.5	31
29	Acrobatic squirrels learn to leap and land on tree branches without falling. <i>Science</i> , 2021, 373, 697-700.	12.6	29
30	Sexually differentiated effects of radio transmitters on predation risk and behaviour in kangaroo rats <i>Dipodomys merriami</i> . <i>Canadian Journal of Zoology</i> , 1992, 70, 1851-1855.	1.0	24
31	How Ambient Environment Influences Olfactory Orientation in Search and Rescue Dogs. <i>Chemical Senses</i> , 2020, 45, 625-634.	2.0	23
32	Mechanisms of Cache Decision Making in Fox Squirrels (<i>Sciurus Niger</i>). <i>Journal of Mammalogy</i> , 2009, 90, 787-795.	1.3	20
33	Sex differences in memory for landmark arrays in C57BL/6 mice. <i>Animal Cognition</i> , 2013, 16, 873-882.	1.8	18
34	Spatial orientation on a vertical maze in free-ranging fox squirrels (<i>Sciurus niger</i>).. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 1999, 113, 116-127.	0.5	17
35	From Movement to Transitivity: The Role of Hippocampal Parallel Maps in Configural Learni. <i>Reviews in the Neurosciences</i> , 2006, 17, 99-109.	2.9	17
36	Flexibility of cue use in the fox squirrel (<i>Sciurus niger</i>). <i>Animal Cognition</i> , 2008, 11, 625-636.	1.8	17

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37	Flexible use of spatial cues in the southern flying squirrel (<i>Glaucomys volans</i>). <i>Animal Cognition</i> , 2007, 10, 203-209.	1.8	16
38	Visual environment and delay affect cache retrieval accuracy in a food-storing rodent. <i>Learning and Behavior</i> , 1998, 26, 439-447.	3.4	14
39	My owner, right or wrong: the effect of familiarity on the domestic dog's behavior in a food-choice task. <i>Animal Cognition</i> , 2014, 17, 461-470.	1.8	14
40	Fox Squirrels Match Food Assessment and Cache Effort to Value and Scarcity. <i>PLoS ONE</i> , 2014, 9, e92892.	2.5	12
41	Digit Ratio Predicts Sense of Direction in Women. <i>PLoS ONE</i> , 2012, 7, e32816.	2.5	11
42	The navigational nose: a new hypothesis for the function of the human external pyramid. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	11
43	The emergence of flexible spatial strategies in young children.. <i>Developmental Psychology</i> , 2013, 49, 232-242.	1.6	9
44	Caching for where and what: evidence for a mnemonic strategy in a scatter-hoarder. <i>Royal Society Open Science</i> , 2017, 4, 170958.	2.4	9
45	Inaccessibility of reinforcement increases persistence and signaling behavior in the fox squirrel (<i>Sciurus niger</i>).. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2016, 130, 128-137.	0.5	7
46	How the evolution of air breathing shaped hippocampal function. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200532.	4.0	7
47	The sectorized foraging field: A novel design to quantify spatial strategies, learning, memory, and emotion. <i>Neurobiology of Learning and Memory</i> , 2005, 84, 69-73.	1.9	6
48	The socioeconomics of food hoarding in wild squirrels. <i>Current Opinion in Behavioral Sciences</i> , 2022, 45, 101139.	3.9	3
49	Of Space and Smell. , 2017, , .		1
50	Sex differences, but no seasonal variations in the hippocampus of food-caching squirrels: A stereological study. <i>Journal of Comparative Neurology</i> , 2000, 425, 152-166.	1.6	1