

# 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	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
2	The socioeconomics of food hoarding in wild squirrels. <i>Current Opinion in Behavioral Sciences</i> , 2022, 45, 101139.	3.9	3
3	Acrobatic squirrels learn to leap and land on tree branches without falling. <i>Science</i> , 2021, 373, 697-700.	12.6	29
4	How Ambient Environment Influences Olfactory Orientation in Search and Rescue Dogs. <i>Chemical Senses</i> , 2020, 45, 625-634.	2.0	23
5	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
6	Of Space and Smell. , 2017, , .		1
7	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
8	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
9	Olfactory Orientation and Navigation in Humans. <i>PLoS ONE</i> , 2015, 10, e0129387.	2.5	54
10	Navigation outside of the box: what the lab can learn from the field and what the field can learn from the lab. <i>Movement Ecology</i> , 2014, 2, 3.	2.8	89
11	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
12	The evolution of self-control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2140-8.	7.1	602
13	Fox Squirrels Match Food Assessment and Cache Effort to Value and Scarcity. <i>PLoS ONE</i> , 2014, 9, e92892.	2.5	12
14	Sex differences in memory for landmark arrays in C57BL/6 mice. <i>Animal Cognition</i> , 2013, 16, 873-882.	1.8	18
15	The emergence of flexible spatial strategies in young children.. <i>Developmental Psychology</i> , 2013, 49, 232-242.	1.6	9
16	From chemotaxis to the cognitive map: The function of olfaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10693-10700.	7.1	171
17	Deficits in Cognition and Synaptic Plasticity in a Mouse Model of Down Syndrome Ameliorated by GABAB Receptor Antagonists. <i>Journal of Neuroscience</i> , 2012, 32, 9217-9227.	3.6	160
18	Sex differences in object recognition are modulated by object similarity. <i>Behavioural Brain Research</i> , 2012, 233, 288-292.	2.2	47

#	ARTICLE	IF	CITATIONS
19	Digit Ratio Predicts Sense of Direction in Women. PLoS ONE, 2012, 7, e32816.	2.5	11
20	How does cognition evolve? Phylogenetic comparative psychology. Animal Cognition, 2012, 15, 223-238.	1.8	207
21	Scene complexity: Influence on perception, memory, and development in the medial temporal lobe. Frontiers in Human Neuroscience, 2010, 4, 21.	2.0	70
22	Effects of cue types on sex differences in human spatial memory. Behavioural Brain Research, 2010, 208, 336-342.	2.2	51
23	Mechanisms of Cache Decision Making in Fox Squirrels ( <i>Sciurus Niger</i> ). Journal of Mammalogy, 2009, 90, 787-795.	1.3	20
24	Sex-specific strategies in spatial orientation in C57BL/6J mice. Behavioural Processes, 2009, 82, 249-255.	1.1	34
25	Sex differences in directional cue use in a virtual landscape.. Behavioral Neuroscience, 2009, 123, 276-283.	1.2	67
26	Flexibility of cue use in the fox squirrel ( <i>Sciurus niger</i> ). Animal Cognition, 2008, 11, 625-636.	1.8	17
27	Sex and species differences in spatial memory in food-storing kangaroo rats. Animal Behaviour, 2007, 73, 321-329.	1.9	37
28	Flexible use of spatial cues in the southern flying squirrel ( <i>Glaucomys volans</i> ). Animal Cognition, 2007, 10, 203-209.	1.8	16
29	From Movement to Transitivity: The Role of Hippocampal Parallel Maps in Configural Learning. Reviews in the Neurosciences, 2006, 17, 99-109.	2.9	17
30	Cache Decision Making: The Effects of Competition on Cache Decisions in Merriam's Kangaroo Rat ( <i>Dipodomys merriami</i> ).. Journal of Comparative Psychology (Washington, D C: 1983), 2005, 119, 187-196.	0.5	31
31	The sectorized foraging field: A novel design to quantify spatial strategies, learning, memory, and emotion. Neurobiology of Learning and Memory, 2005, 84, 69-73.	1.9	6
32	Unpacking the cognitive map: The parallel map theory of hippocampal function.. Psychological Review, 2003, 110, 285-315.	3.8	277
33	The Evolution of the Cognitive Map. Brain, Behavior and Evolution, 2003, 62, 128-139.	1.7	81
34	Conspecific pilferage but not presence affects Merriam's kangaroo rat cache strategy. Behavioral Ecology, 2001, 12, 517-523.	2.2	53
35	Sex differences, but no seasonal variations in the hippocampus of food-caching squirrels: A stereological study. Journal of Comparative Neurology, 2000, 425, 152-166.	1.6	63
36	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

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37	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
38	Spatial orientation on a vertical maze in free-ranging fox squirrels ( <i>Sciurus niger</i> ).. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 1999, 113, 116-127.	0.5	17
39	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
40	Sexual selection and the brain. <i>Trends in Ecology and Evolution</i> , 1996, 11, 82-86.	8.7	103
41	Specialized parasitoid attracted to a pheromone of ants. <i>Animal Behaviour</i> , 1996, 51, 61-66.	1.9	72
42	Natural Space-Use Patterns and Hippocampal Size in Kangaroo Rats. <i>Brain, Behavior and Evolution</i> , 1994, 44, 125-132.	1.7	163
43	Scatter hoarding by kangaroo rats ( <i>Dipodomys merriami</i> ) and pilferage from their caches. <i>Behavioral Ecology</i> , 1992, 3, 102-111.	2.2	111
44	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
45	Spatial memory and adaptive specialization of the hippocampus. <i>Trends in Neurosciences</i> , 1992, 15, 298-303.	8.6	384
46	The effect of handling time on the decision to cache by grey squirrels. <i>Animal Behaviour</i> , 1992, 43, 522-524.	1.9	92
47	Behavioural modulation of predation risk: moonlight avoidance and crepuscular compensation in a nocturnal desert rodent, <i>Dipodomys merriami</i> . <i>Animal Behaviour</i> , 1992, 44, 1-9.	1.9	207
48	Memory for cache locations in Merriam's kangaroo rats. <i>Animal Behaviour</i> , 1992, 43, 585-593.	1.9	77
49	Grey squirrels remember the locations of buried nuts. <i>Animal Behaviour</i> , 1991, 41, 103-110.	1.9	116
50	Characteristics of kangaroo rats, <i>Dipodomys merriami</i> , associated with differential predation risk. <i>Animal Behaviour</i> , 1990, 40, 380-389.	1.9	69