Jennifer L Bizon

List of Publications by Year
in descending order

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94	4,290	94269	128067
papers	citations	37 h-index	60 g-index

102	102	102	4491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Age-related impairments on the touchscreen paired associates learning (PAL) task in male rats. Neurobiology of Aging, 2022, 109, 176-191.	1.5	5
2	A Neuroscience Primer for Integrating Geroscience With the Neurobiology of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, e19-e33.	1.7	5
3	GABAB receptors in prelimbic cortex and basolateral amygdala differentially influence intertemporal decision making and decline with age. Neuropharmacology, 2022, 209, 109001.	2.0	1
4	Effects of repeated adolescent exposure to cannabis smoke on cognitive outcomes in adulthood. Journal of Psychopharmacology, 2021, 35, 848-863.	2.0	18
5	Regulation of risky decision making by gonadal hormones in males and females. Neuropsychopharmacology, 2021, 46, 603-613.	2.8	26
6	Rodent mnemonic similarity task performance requires the prefrontal cortex. Hippocampus, 2021, 31, 701-716.	0.9	9
7	Reuniting the Body â€œNeck Up and Neck Downâ€•to Understand Cognitive Aging: The Nexus of Geroscience and Neuroscience. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, , .	1.7	5
8	Acute vagus nerve stimulation enhances reversal learning in rats. Neurobiology of Learning and Memory, 2021, 184, 107498.	1.0	11
9	Attenuated NMDAR signaling on fast-spiking interneurons in prefrontal cortex contributes to age-related decline of cognitive flexibility. Neuropharmacology, 2021, 197, 108720.	2.0	12
10	Bridging the gap: A geroscience primer for neuroscientists with potential collaborative applications. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, , .	1.7	3
11	Distinct relationships between risky decision making and cocaine self-administration under short- and long-access conditions. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 98, 109791.	2.5	19
12	Testicular hormones mediate robust sex differences in impulsive choice in rats. ELife, 2020, 9, .	2.8	22
13	Age and Ketogenic Diet Have Dissociable Effects on Synapse-Related Gene Expression Between Hippocampal Subregions. Frontiers in Aging Neuroscience, 2019, 11, 239.	1.7	15
14	The perirhinal cortex supports spatial intertemporal choice stability. Neurobiology of Learning and Memory, 2019, 162, 36-46.	1.0	9
15	Deconstructing value-based decision making via temporally selective manipulation of neural activity: Insights from rodent models. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 459-476.	1.0	19
16	Enhancing effects of acute exposure to cannabis smoke on working memory performance. Neurobiology of Learning and Memory, 2019, 157, 151-162.	1.0	21
17	Optogenetic dissection of basolateral amygdala contributions to intertemporal choice in young and aged rats. ELife, 2019, 8, .	2.8	18
18	Shared Functions of Perirhinal and Parahippocampal Cortices: Implications for Cognitive Aging. Trends in Neurosciences, 2018, 41, 349-359.	4.2	65

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19	The Antiepileptic Ketogenic Diet Alters Hippocampal Transporter Levels and Reduces Adiposity in Aged Rats. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 450-458.	1.7	40
20	Monoaminergic modulation of decision-making under risk of punishment in a rat model. Behavioural Pharmacology, 2018, 29, 745-761.	0.8	18
21	A Ketogenic Diet Improves Cognition and Has Biochemical Effects in Prefrontal Cortex That Are Dissociable From Hippocampus. Frontiers in Aging Neuroscience, 2018, 10, 391.	1.7	79
22	Contributions of medial prefrontal cortex to decision making involving risk of punishment. Neuropharmacology, 2018, 139, 205-216.	2.0	52
23	Stress-induced corticosterone secretion covaries with working memory in aging. Neurobiology of Aging, 2018, 71, 156-160.	1.5	4
24	Rat Models of Cognitive Aging. , 2018, , 211-230.		1
25	Experience-Dependent Effects of Muscimol-Induced Hippocampal Excitation on Mnemonic Discrimination. Frontiers in Systems Neuroscience, 2018, 12, 72.	1.2	8
26	Age-Related Declines in Prefrontal Cortical Expression of Metabotropic Glutamate Receptors that Support Working Memory. ENeuro, 2018, 5, ENEURO.0164-18.2018.	0.9	43
27	Prefrontal cortical GABAergic signaling and impaired behavioral flexibility in aged F344 rats. Neuroscience, 2017, 345, 274-286.	1.1	51
28	Effects of nucleus accumbens amphetamine administration on performance in a delay discounting task. Behavioural Brain Research, 2017, 321, 130-136.	1.2	26
29	Interaction between age and perceptual similarity in olfactory discrimination learning in F344 rats: relationships with spatial learning. Neurobiology of Aging, 2017, 53, 122-137.	1.5	20
30	Rodent ageâ€related impairments in discriminating perceptually similar objects parallel those observed in humans. Hippocampus, 2017, 27, 759-776.	0.9	45
31	Decline of prefrontal cortical-mediated executive functions but attenuated delay discounting in aged Fischer 344ÂÃ— brown Norway hybrid rats. Neurobiology of Aging, 2017, 60, 141-152.	1.5	29
32	Optogenetic Inhibition Reveals Distinct Roles for Basolateral Amygdala Activity at Discrete Time Points during Risky Decision Making. Journal of Neuroscience, 2017, 37, 11537-11548.	1.7	51
33	Medial prefrontal-perirhinal cortical communication is necessary for flexible response selection. Neurobiology of Learning and Memory, 2017, 137, 36-47.	1.0	44
34	Adolescent Cannabinoid Use and Cognition; Unexpected Results from a Rat Model of Cannabinoid Self-Administration. Neuropsychopharmacology, 2017, 42, 983-984.	2.8	0
35	Deficits in hippocampalâ€dependent transfer generalization learning accompany synaptic dysfunction in a mouse model of amyloidosis. Hippocampus, 2016, 26, 455-471.	0.9	8
36	NR2A-Containing NMDARs in the Prefrontal Cortex Are Required for Working Memory and Associated with Age-Related Cognitive Decline. Journal of Neuroscience, 2016, 36, 12537-12548.	1.7	62

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37	Effects of acute administration of the GABA(B) receptor agonist baclofen on behavioral flexibility in rats. Psychopharmacology, 2016, 233, 2787-2797.	1.5	17
38	Discrimination performance in aging is vulnerable to interference and dissociable from spatial memory. Learning and Memory, 2016, 23, 339-348.	0.5	19
39	Age-related changes in tonic activation of presynaptic versus extrasynaptic Î³-amniobutyric acid type B receptors in rat medial prefrontal cortex. Neurobiology of Aging, 2016, 45, 88-97.	1.5	17
40	Sex differences in a rat model of risky decision making.. Behavioral Neuroscience, 2016, 130, 50-61.	0.6	122
41	Characterizing Olfactory Binary Mixture Interactions in Fischer 344 Rats Using Behavioral Reaction Times. Chemical Senses, 2015, 40, 325-334.	1.1	4
42	Interaction of basal forebrain cholinergic neurons with the glucocorticoid system in stress regulation and cognitive impairment. Frontiers in Aging Neuroscience, 2015, 7, 43.	1.7	62
43	Molecular aspects of age-related cognitive decline: the role of GABA signaling. Trends in Molecular Medicine, 2015, 21, 450-460.	3.5	148
44	Dissociable Roles for the Basolateral Amygdala and Orbitofrontal Cortex in Decision-Making under Risk of Punishment. Journal of Neuroscience, 2015, 35, 1368-1379.	1.7	99
45	Modeling Costâ€“Benefit Decision Making in Aged Rodents. , 2015, , 17-40.		1
46	Affective and cognitive mechanisms of risky decision making. Neurobiology of Learning and Memory, 2015, 117, 60-70.	1.0	52
47	Prefrontal Cortical GABAergic Dysfunction Contributes to Age-Related Working Memory Impairment. Journal of Neuroscience, 2014, 34, 3457-3466.	1.7	120
48	Characterizing Olfactory Perceptual Similarity Using Carbon Chain Discrimination in Fischer 344 Rats. Chemical Senses, 2014, 39, 323-331.	1.1	16
49	Adolescent Risk Taking, Cocaine Self-Administration, and Striatal Dopamine Signaling. Neuropsychopharmacology, 2014, 39, 955-962.	2.8	96
50	Centrally administered angiotensinâ€(1â€“7) increases the survival of strokeâ€prone spontaneously hypertensive rats. Experimental Physiology, 2014, 99, 442-453.	0.9	56
51	Characterization of age-related changes in synaptic transmission onto F344 rat basal forebrain cholinergic neurons using a reduced synaptic preparation. Journal of Neurophysiology, 2014, 111, 273-286.	0.9	17
52	Distinct manifestations of executive dysfunction in aged rats. Neurobiology of Aging, 2013, 34, 2164-2174.	1.5	59
53	Age-related changes in rostral basal forebrain cholinergic and GABAergic projection neurons: relationship with spatial impairment. Neurobiology of Aging, 2013, 34, 845-862.	1.5	37
54	Î±4Î²2â^— and Î±7 nicotinic acetylcholine receptor binding predicts choice preference in two cost benefit decision-making tasks. Neuroscience, 2013, 230, 121-131.	1.1	21

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55	Prefrontal corticalâ€“striatal dopamine receptor m<scp>RNA</scp> expression predicts distinct forms of impulsivity. European Journal of Neuroscience, 2013, 37, 1779-1788.	1.2	81
56	Altered spatial learning and delay discounting in a rat model of human third trimester binge ethanol exposure. Behavioural Pharmacology, 2012, 23, 54-65.	0.8	16
57	GABAB receptor GTP-binding is decreased in the prefrontal cortex but not the hippocampus of aged rats. Neurobiology of Aging, 2012, 33, 1124.e1-1124.e12.	1.5	36
58	Brain-derived neurotrophic factor promotes adaptive plasticity within the spinal cord and mediates the beneficial effects of controllable stimulation. Neuroscience, 2012, 200, 74-90.	1.1	51
59	Effects of acute administration of nicotinic and muscarinic cholinergic agonists and antagonists on performance in different costâ€“benefit decision making tasks in rats. Psychopharmacology, 2012, 224, 489-499.	1.5	46
60	Challenges and opportunities for characterizing cognitive aging across species. Frontiers in Aging Neuroscience, 2012, 4, 6.	1.7	16
61	Characterizing cognitive aging of spatial and contextual memory in animal models. Frontiers in Aging Neuroscience, 2012, 4, 12.	1.7	93
62	Characterizing cognitive aging of working memory and executive function in animal models. Frontiers in Aging Neuroscience, 2012, 4, 19.	1.7	134
63	Characterizing cognitive aging in humans with links to animal models. Frontiers in Aging Neuroscience, 2012, 4, 21.	1.7	96
64	Decreased interactions in protein kinase Aâ€“Glucocorticoid receptor signaling in the hippocampus after selective removal of the basal forebrain cholinergic input. Hippocampus, 2012, 22, 455-465.	0.9	9
65	Accelerating drug discovery for Alzheimer's disease: best practices for preclinical animal studies. Alzheimer's Research and Therapy, 2011, 3, 28.	3.0	116
66	Novel age-dependent learning deficits in a mouse model of Alzheimer's disease: Implications for translational research. Neurobiology of Aging, 2011, 32, 1273-1285.	1.5	29
67	Increased interactions between PKA and NF-Î°B signaling in the hippocampus following loss of cholinergic input. Neuroscience, 2011, 192, 485-493.	1.1	10
68	Dopaminergic Modulation of Risky Decision-Making. Journal of Neuroscience, 2011, 31, 17460-17470.	1.7	135
69	Risk, Reward, and Decision-Making in a Rodent Model of Cognitive Aging. Frontiers in Neuroscience, 2011, 5, 144.	1.4	20
70	Good things come to those who wait: Attenuated discounting of delayed rewards in aged Fischer 344 rats. Neurobiology of Aging, 2010, 31, 853-862.	1.5	83
71	Enhanced Calcium Buffering in F344 Rat Cholinergic Basal Forebrain Neurons Is Associated With Age-Related Cognitive Impairment. Journal of Neurophysiology, 2009, 102, 2194-2207.	0.9	29
72	Balancing Risk and Reward: A Rat Model of Risky Decision Making. Neuropsychopharmacology, 2009, 34, 2208-2217.	2.8	143

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73	Long-lasting sensitization of reward-directed behavior by amphetamine. Behavioural Brain Research, 2009, 201, 74-79.	1.2	36
74	Spatial reference and working memory across the lifespan of male Fischer 344 rats. Neurobiology of Aging, 2009, 30, 646-655.	1.5	130
75	Blockade of GABA(B) receptors completely reverses age-related learning impairment. Neuroscience, 2009, 164, 941-947.	1.1	40
76	Long-term effects of prior cocaine exposure on Morris water maze performance. Neurobiology of Learning and Memory, 2008, 89, 185-191.	1.0	55
77	Chronic, low-dose prenatal exposure to methylmercury impairs motor and mnemonic function in adult C57/B6 mice. Behavioural Brain Research, 2008, 191, 55-61.	1.2	56
78	Learning strategy selection in the water maze and hippocampal CREB phosphorylation differ in two inbred strains of mice. Learning and Memory, 2008, 15, 183-188.	0.5	38
79	Intact spatial learning in adult Tg2576 mice. Neurobiology of Aging, 2007, 28, 440-446.	1.5	26
80	Deficits across multiple cognitive domains in a subset of aged Fischer 344 rats. Neurobiology of Aging, 2007, 28, 928-936.	1.5	64
81	Rat Models of Age-Related Cognitive Decline. , 2006, , 379-391.		2
82	More Is Less: Neurogenesis and Age-Related Cognitive Decline in Long-Evans Rats. Science of Aging Knowledge Environment: SAGE KE, 2005, 2005, re2-re2.	0.9	28
83	Neurogenesis in a rat model of age-related cognitive decline. Aging Cell, 2004, 3, 227-234.	3.0	160
84	Transcriptional mechanisms of hippocampal aging. Experimental Gerontology, 2004, 39, 1613-1622.	1.2	19
85	Effects of aging on the hippocampal formation in a naturally occurring animal model of mild cognitive impairment. Experimental Gerontology, 2003, 38, 71-77.	1.2	95
86	Effects of hippocampal cholinergic deafferentation on learning strategy selection in a visible platform version of the water maze. Hippocampus, 2003, 13, 676-684.	0.9	31
87	Production of new cells in the rat dentate gyrus over the lifespan: relation to cognitive decline. European Journal of Neuroscience, 2003, 18, 215-219.	1.2	186
88	Emergence of a Cue Strategy Preference on the Water Maze Task in Aged C57B6 x SJL F1 Hybrid Mice. Learning and Memory, 2003, 10, 520-524.	0.5	41
89	Decreased glucocorticoid receptor mRNA and dysfunction of HPA axis in rats after removal of the cholinergic innervation to hippocampus.. European Journal of Neuroscience, 2002, 16, 1399-1404.	1.2	32
90	Hypothalamic-pituitary-adrenal axis function and corticosterone receptor expression in behaviourally characterized young and aged Long-Evans rats. European Journal of Neuroscience, 2001, 14, 1739-1751.	1.2	94

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91	Subpopulations of striatal interneurons can be distinguished on the basis of neurotrophic factor expression. Journal of Comparative Neurology, 1999, 408, 283-298.	0.9	43
92	In vitro autoradiography of ionotropic glutamate receptors in hippocampus and striatum of aged Longâ€“Evans rats: relationship to spatial learning. Neuroscience, 1996, 74, 741-756.	1.1	81
93	Acidic fibroblast growth factor mRNA is expressed by basal forebrain and striatal cholinergic neurons. , 1996, 366, 379-389.		20
94	NGF mRNA is expressed by GABAergic but not cholinergic neurons in rat basal forebrain. Journal of Comparative Neurology, 1995, 360, 454-462.	0.9	42