Rebecca D Burwell

List of Publications by Year
in descending order

61 papers	5,981 citations	186209 28 h-index	189801 50 g-index
64 all docs	64 docs citations	64 times ranked	4105 citing authors

#	Article	IF	Citations
1	Severity of spatial learning impairment in aging: Development of a learning index for performance in the Morris water maze.. Behavioral Neuroscience, 1993, 107, 618-626.	0.6	745
2	Cortical afferents of the perirhinal, postrhinal, and entorhinal cortices of the rat. Journal of Comparative Neurology, 1998, 398, 179-205.	0.9	626
3	Perirhinal and postrhinal cortices of the rat: A review of the neuroanatomical literature and comparison with findings from the monkey brain. Hippocampus, 1995, 5, 390-408.	0.9	516
4	The Parahippocampal Region: Corticocortical Connectivity. Annals of the New York Academy of Sciences, 2000, 911, 25-42.	1.8	420
5	Perirhinal and postrhinal cortices of the rat: Interconnectivity and connections with the entorhinal cortex. , 1998, 391, 293-321.		393
6	Functional neuroanatomy of the parahippocampal region: The lateral and medial entorhinal areas. Hippocampus, 2007, 17, 697-708.	0.9	368
7	Functional neuroanatomy of the parahippocampal region in the rat: The perirhinal and postrhinal cortices. Hippocampus, 2007, 17, 709-722.	0.9	249
8	Borders and cytoarchitecture of the perirhinal and postrhinal cortices in the rat. Journal of Comparative Neurology, 2001, 437, 17-41.	0.9	245
9	Corticohippocampal Contributions to Spatial and Contextual Learning. Journal of Neuroscience, 2004, 24, 3826-3836.	1.7	199
10	Electrical synapses coordinate activity in the suprachiasmatic nucleus. Nature Neuroscience, 2005, 8, 61-66.	7.1	172
11	Cortical efferents of the perirhinal, postrhinal, and entorhinal cortices of the rat. Hippocampus, 2009, 19, 1159-1186.	0.9	168
12	Markers for biogenic amines in the aged rat brain: Relationship to decline in spatial learning ability. Neurobiology of Aging, 1990, 11, 507-514.	1.5	150
13	Integrated device for combined optical neuromodulation and electrical recording for chronicin vivoapplications. Journal of Neural Engineering, 2012, 9, 016001.	1.8	146
14	Contributions of postrhinal and perirhinal cortex to contextual information processing.. Behavioral Neuroscience, 2000, 114, 882-894.	0.6	142
15	Hippocampal and subicular efferents and afferents of the perirhinal, postrhinal, and entorhinal cortices of the rat. Behavioural Brain Research, 2013, 254, 50-64.	1.2	112
16	Positional firing properties of postrhinal cortex neurons. Neuroscience, 2003, 119, 577-588.	1.1	108
17	Perirhinal and Postrhinal Contributions to Remote Memory for Context. Journal of Neuroscience, 2004, 24, 11023-11028.	1.7	108
18	Neuron Number in the Parahippocampal Region is Preserved in Aged Rats with Spatial Learning Deficits. Cerebral Cortex, 2002, 12, 1171-1179.	1.6	105

#	Article	IF	Citations
19	Contextual fear discrimination is impaired by damage to the postrhinal or perirhinal cortex.. Behavioral Neuroscience, 2002, 116, 479-488.	0.6	98
20	Single Neuron Activity and Theta Modulation in Postrhinal Cortex during Visual Object Discrimination. Neuron, 2012, 76, 976-988.	3.8	82
21	Using the spatial learning index to evaluate performance on the water maze.. Behavioral Neuroscience, 2015, 129, 533-539.	0.6	78
22	Subcortical connections of the perirhinal, postrhinal, and entorhinal cortices of the rat. II. efferents. Hippocampus, 2016, 26, 1213-1230.	0.9	58
23	Memory impairment on a delayed non-matching-to-position task after lesions of the perirhinal cortex in the rat.. Behavioral Neuroscience, 1998, 112, 827-838.	0.6	57
24	Contributions of postrhinal and perirhinal cortex to contextual information processing.. Behavioral Neuroscience, 2021, 135, 313-325.	0.6	57
25	Subcortical connections of the perirhinal, postrhinal, and entorhinal cortices of the rat. I. afferents. Hippocampus, 2016, 26, 1189-1212.	0.9	53
26	Positional firing properties of perirhinal cortex neurons. NeuroReport, 1998, 9, 3013-3018.	0.6	48
27	Contextual fear discrimination is impaired by damage to the postrhinal or perirhinal cortex. Behavioral Neuroscience, 2002, 116, 479-88.	0.6	48
28	Deficits in Attentional Orienting Following Damage to the Perirhinal or Postrhinal Cortices.. Behavioral Neuroscience, 2004, 118, 1117-1122.	0.6	38
29	A longitudinal study of reaction time performance in long-evans rats. Neurobiology of Aging, 1993, 14, 57-64.	1.5	37
30	Borders and Comparative Cytoarchitecture of the Perirhinal and Postrhinal Cortices in an F1 Hybrid Mouse. Cerebral Cortex, 2013, 23, 460-476.	1.6	36
31	Disconnection of the Perirhinal and Postrhinal Cortices Impairs Recognition of Objects in Context But Not Contextual Fear Conditioning. Journal of Neuroscience, 2017, 37, 4819-4829.	1.7	30
32	Bidirectional Modulation of Recognition Memory. Journal of Neuroscience, 2015, 35, 13323-13335.	1.7	29
33	Mesostriatal dopamine markers in aged Long-Evans rats with sensorimotor impairment. Neurobiology of Aging, 1995, 16, 175-186.	1.5	27
34	Objects and landmarks: Hippocampal place cells respond differently to manipulations of visual cues depending on size, perspective, and experience. Hippocampus, 2014, 24, 1287-1299.	0.9	25
35	Prefrontal connections of the perirhinal and postrhinal cortices in the rat. Behavioural Brain Research, 2018, 354, 8-21.	1.2	21
36	The Floor Projection Maze: A novel behavioral apparatus for presenting visual stimuli to rats. Journal of Neuroscience Methods, 2009, 181, 82-88.	1.3	18

#	Article	IF	Citations
37	Basic anatomy of the parahippocampal region in monkeys and rats. , 2002, , 34-59.		18
38	Discrimination learning and attentional set formation in a mouse model of Fragile X.. Behavioral Neuroscience, 2011, 125, 473-479.	0.6	16
39	Beyond the hippocampus: The role of parahippocampal-prefrontal communication in context-modulated behavior. Neurobiology of Learning and Memory, 2021, 185, 107520.	1.0	16
40	Single neuron activity and theta modulation in the posterior parietal cortex in a visuospatial attention task. Hippocampus, 2017, 27, 263-273.	0.9	15
41	Cognition and Hippocampal Systems in Aging:Animal Models. , 1995, , 103-126.		14
42	Electrophysiological and morphological properties of neurons in layer 5 of the rat postrhinal cortex. Hippocampus, 2012, 22, 1912-1922.	0.9	13
43	Automated Visual Cognitive Tasks for Recording Neural Activity Using a Floor Projection Maze. Journal of Visualized Experiments, 2014, , e51316.	0.2	12
44	Inactivation of the Lateral Entorhinal Area Increases the Influence of Visual Cues on Hippocampal Place Cell Activity. Frontiers in Systems Neuroscience, 2017, 11, 40.	1.2	10
45	The effects of combined perirhinal and postrhinal damage on complex discrimination tasks. Hippocampus, 2012, 22, 2059-2067.	0.9	8
46	Perirhinal and Postrhinal Functional Inputs to the Hippocampus. , 2014, , 55-81.		8
47	A neurophotonic device for stimulation and recording of neural microcircuits. , 2010, 2010, 2935-8.		6
48	Experimental lesions of the parahippocampal region in rats. , 2002, , 216-237.		6
49	Functional Differentiation of Dorsal and Ventral Posterior Parietal Cortex of the Rat: Implications for Controlled and Stimulus-Driven Attention. Cerebral Cortex, 2022, 32, 1787-1803.	1.6	5
50	The anatomy and function of the postrhinal cortex.. Behavioral Neuroscience, 2022, 136, 101-113.	0.6	5
51	Recognition Memory: Can You Teach an Old Dogma New Tricks?. Neuron, 2008, 59, 523-525.	3.8	4
52	Jamais vu all over again. Nature Neuroscience, 2017, 20, 1194-1196.	7.1	3
53	Neuronal Activity in the Rat Pulvinar Correlates with Multiple Higher-Order Cognitive Functions. Vision (Switzerland), 2020, 4, 15.	0.5	3
54	Perirhinal and Postrhinal Damage Have Different Consequences on Attention as Assessed in the Five-Choice Serial Reaction Time Task. ENeuro, 2021, 8, ENEURO.0210-21.2021.	0.9	3

#	Article	IF	Citations
55	What's new in animal models of amnesia?. Behavioral and Brain Sciences, 1999, 22, 446-447.	0.4	2
56	Cortical afferents of the perirhinal, postrhinal, and entorhinal cortices of the rat. , 1998, 398, 179.		1
57	Postrhinal cortex contributions to the expression of auditory fear conditioning. Neurobiology of Learning and Memory, 2022, 191, 107609.	1.0	1
58	Anatomy of the Hippocampus and the Declarative Memory System â˜†. , 2017, , 49-67.		0
59	Paw-Print Analysis of Contrast-Enhanced Recordings (PrAnCER): A Low-Cost, Open-Access Automated Gait Analysis System for Assessing Motor Deficits. Journal of Visualized Experiments, 2019, , .	0.2	0
60	Parahippocampal Cortex (PHC). , 2018, , 1-5.		0
61	Parahippocampal Cortex (PHC). , 2022, , 4941-4945.		0