Pierre Lavenex

List of Publications by Year
in descending order

71 papers	4,690 citations	136740 32 h-index	102304 66 g-index
74 all docs	74 docs citations	74 times ranked	5020 citing authors

#	Article	IF	Citations
1	Hippocampal-neocortical interaction: A hierarchy of associativity. Hippocampus, 2000, 10, 420-430.	0.9	702
2	The dentate gyrus: fundamental neuroanatomical organization (dentate gyrus for dummies). Progress in Brain Research, 2007, 163, 3-790.	0.9	633
3	Perirhinal and parahippocampal cortices of the macaque monkey: Projections to the neocortex. Journal of Comparative Neurology, 2002, 447, 394-420.	0.9	267
4	Building hippocampal circuits to learn and remember: Insights into the development of human memory. Behavioural Brain Research, 2013, 254, 8-21.	1.2	250
5	Increased social fear and decreased fear of objects in monkeys with neonatal amygdala lesions. Neuroscience, 2001, 106, 653-658.	1.1	229
6	The Development of Social Behavior Following Neonatal Amygdala Lesions in Rhesus Monkeys. Journal of Cognitive Neuroscience, 2004, 16, 1388-1411.	1.1	138
7	Development of allocentric spatial memory abilities in children from 18 months to 5 years of age. Cognitive Psychology, 2013, 66, 1-29.	0.9	134
8	Hippocampal Lesion Prevents Spatial Relational Learning in Adult Macaque Monkeys. Journal of Neuroscience, 2006, 26, 4546-4558.	1.7	125
9	Perirhinal and parahippocampal cortices of the macaque monkey: Intrinsic projections and interconnections. Journal of Comparative Neurology, 2004, 472, 371-394.	0.9	112
10	The Development of Mother-Infant Interactions after Neonatal Amygdala Lesions in Rhesus Monkeys. Journal of Neuroscience, 2004, 24, 711-721.	1.7	111
11	Quantitative analysis of postnatal neurogenesis and neuron number in the macaque monkey dentate gyrus. European Journal of Neuroscience, 2010, 31, 273-285.	1.2	111
12	Stereological analysis of the rat and monkey amygdala. Journal of Comparative Neurology, 2011, 519, 3218-3239.	0.9	110
13	Nutritional deficits during early development affect hippocampal structure and spatial memory later in life.. Behavioral Neuroscience, 2005, 119, 1368-1374.	0.6	98
14	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.	1.2	93
15	Postnatal development of the hippocampal formation: A stereological study in macaque monkeys. Journal of Comparative Neurology, 2011, 519, 1051-1070.	0.9	87
16	The amygdala: is it an essential component of the neural network for social cognition?. Neuropsychologia, 2003, 41, 517-522.	0.7	82
17	Postnatal Development of the Primate Hippocampal Formation. Developmental Neuroscience, 2007, 29, 179-192.	1.0	80
18	Postmortem changes in the neuroanatomical characteristics of the primate brain: Hippocampal formation. Journal of Comparative Neurology, 2009, 512, 27-51.	0.9	77

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19	Spatial memory and the monkey hippocampus: Not all space is created equal. Hippocampus, 2009, 19, 8-19.	0.9	69
20	Sex differences, but no seasonal variations in the hippocampus of food-caching squirrels: A stereological study. Journal of Comparative Neurology, 2000, 425, 152-166.	0.9	63
21	Postnatal development of the amygdala: A stereological study in macaque monkeys. Journal of Comparative Neurology, 2012, 520, 1965-1984.	0.9	63
22	The expression of social dominance following neonatal lesions of the amygdala or hippocampus in rhesus monkeys (Macaca mulatta).. Behavioral Neuroscience, 2006, 120, 749-760.	0.6	61
23	Intrinsic connections of the macaque monkey hippocampal formation: II. CA3 connections. Journal of Comparative Neurology, 2009, 515, 349-377.	0.9	58
24	Postnatal development of the amygdala: A stereological study in rats. Journal of Comparative Neurology, 2012, 520, 3745-3763.	0.9	50
25	Integration of olfactory information in a spatial representation enabling accurate arm choice in the radial arm maze.. Learning and Memory, 1996, 2, 299-319.	0.5	49
26	Spatial relational learning persists following neonatal hippocampal lesions in macaque monkeys. Nature Neuroscience, 2007, 10, 234-239.	7.1	45
27	Morphological characteristics and electrophysiological properties of CA1 pyramidal neurons in macaque monkeys. Neuroscience, 2005, 136, 741-756.	1.1	43
28	Influence of local environmental olfactory cues on place learning in rats. Physiology and Behavior, 1995, 58, 1059-1066.	1.0	40
29	Olfactory traces and spatial learning in rats. Animal Behaviour, 1998, 56, 1129-1136.	0.8	40
30	Allocentric spatial learning and memory deficits in Down syndrome. Frontiers in Psychology, 2015, 6, 62.	1.1	36
31	Intrinsic connections of the macaque monkey hippocampal formation: I. Dentate gyrus. Journal of Comparative Neurology, 2008, 511, 497-520.	0.9	35
32	Effects of neonatal amygdala or hippocampus lesions on resting brain metabolism in the macaque monkey: A microPET imaging study. NeuroImage, 2008, 39, 832-846.	2.1	35
33	Olfactory Cues Potentiate Learning of Distant Visuospatial Information. Neurobiology of Learning and Memory, 1997, 68, 140-153.	1.0	32
34	Changes in spatial memory mediated by experimental variation in food supply do not affect hippocampal anatomy in mountain chickadees (Poecile gambeli). Journal of Neurobiology, 2002, 51, 142-148.	3.7	32
35	The human hippocampus beyond the cognitive map: evidence from a densely amnesic patient. Frontiers in Human Neuroscience, 2014, 8, 711.	1.0	32
36	Spatial relational learning and memory abilities do not differ between men and women in a real-world, open-field environment. Behavioural Brain Research, 2010, 207, 125-137.	1.2	30

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37	Developmental regulation of gene expression and astrocytic processes may explain selective hippocampal vulnerability. Hippocampus, 2011, 21, 142-149.	0.9	29
38	Selective lesion of the hippocampus increases the differentiation of immature neurons in the monkey amygdala. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14420-14425.	3.3	25
39	Spatial versus nonspatial relational learning in free-ranging fox squirrels (Sciurus niger).. Journal of Comparative Psychology (Washington, D C: 1983), 1998, 112, 127-136.	0.3	24
40	An analysis of entorhinal cortex projections to the dentate gyrus, hippocampus, and subiculum of the neonatal macaque monkey. Journal of Comparative Neurology, 2014, 522, 1485-1505.	0.9	24
41	Working memory decline in normal aging: Memory load and representational demands affect performance. Learning and Motivation, 2017, 60, 10-22.	0.6	23
42	The â€œwhenâ€•and the â€œwhereâ€•of singleâ€trial allocentric spatial memory performance in young children: Insights into the development of episodic memory. Developmental Psychobiology, 2017, 59, 185-196.	0.9	23
43	Human short-term spatial memory: Precision predicts capacity. Cognitive Psychology, 2015, 77, 1-19.	0.9	20
44	Improvement of allocentric spatial memory resolution in children from 2 to 4 years of age. International Journal of Behavioral Development, 2015, 39, 318-331.	1.3	20
45	Working memory decline in normal aging: Is it really worse in space than in color?. Learning and Motivation, 2017, 57, 48-60.	0.6	20
46	Life and Death of Immature Neurons in the Juvenile and Adult Primate Amygdala. International Journal of Molecular Sciences, 2021, 22, 6691.	1.8	19
47	Spatial relational memory in 9-month-old macaque monkeys. Learning and Memory, 2006, 13, 84-96.	0.5	18
48	As the world turns: Short-term human spatial memory in egocentric and allocentric coordinates. Behavioural Brain Research, 2011, 219, 132-141.	1.2	18
49	Restingâ€State EEG Microstates Parallel Ageâ€Related Differences in Allocentric Spatial Working Memory Performance. Brain Topography, 2021, 34, 442-460.	0.8	17
50	Nonphosphorylated high-molecular-weight neurofilament expression suggests early maturation of the monkey subiculum. Hippocampus, 2004, 14, 797-801.	0.9	15
51	Age-Related Differences in Resting-State EEG and Allocentric Spatial Working Memory Performance. Frontiers in Aging Neuroscience, 2021, 13, 704362.	1.7	14
52	miRNA Regulation of Gene Expression: A Predictive Bioinformatics Analysis in the Postnatally Developing Monkey Hippocampus. PLoS ONE, 2012, 7, e43435.	1.1	13
53	Comparative studies of postnatal neurogenesis and learning: a critical review. Avian Biology Research, 2001, 12, 103-125.	1.3	12
54	<scp>D</scp>issociation of spatial memory systems in <scp>W</scp>illiams syndrome. Hippocampus, 2017, 27, 1192-1203.	0.9	12

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55	Developmental regulation of expression of schizophrenia susceptibility genes in the primate hippocampal formation. Translational Psychiatry, 2012, 2, e173-e173.	2.4	11
56	Stereological analysis of the rhesus monkey entorhinal cortex. Journal of Comparative Neurology, 2018, 526, 2115-2132.	0.9	10
57	Low-Resolution Place and Response Learning Capacities in Down Syndrome. Frontiers in Psychology, 2018, 9, 2049.	1.1	9
58	Structural differences in the hippocampus and amygdala of behaviorally inhibited macaque monkeys. Hippocampus, 2021, 31, 858-868.	0.9	8
59	Children five-to-nine years old can use path integration to build a cognitive map without vision. Cognitive Psychology, 2020, 121, 101307.	0.9	8
60	Functional organization of the medial temporal lobe memory system following neonatal hippocampal lesion in rhesus monkeys. Brain Structure and Function, 2017, 222, 3899-3914.	1.2	6
61	Postnatal development of the entorhinal cortex: A stereological study in macaque monkeys. Journal of Comparative Neurology, 2020, 528, 2308-2332.	0.9	6
62	Functional Anatomy, Development, and Pathology of the Hippocampus. , 2012, , 10-38.		6
63	A Critical Review of Spatial Abilities in Down and Williams Syndromes: Not All Space Is Created Equal. Frontiers in Psychiatry, 2021, 12, 669320.	1.3	5
64	Hippocampal-neocortical interaction: A hierarchy of associativity. , 2000, 10, 420.		5
65	Lack of seasonal variation in the hippocampus: statistics is not the issue. Animal Behaviour, 2002, 64, F15-F18.	0.8	4
66	Path Integration and Cognitive Mapping Capacities in Down and Williams Syndromes. Frontiers in Psychology, 2020, 11, 571394.	1.1	4
67	What Animals Can Teach Clinicians about the Hippocampus. Frontiers of Neurology and Neuroscience, 2014, 34, 36-50.	3.0	3
68	No association between ApoE polymorphism and febrile seizures. Neurological Sciences, 2016, 37, 31-36.	0.9	2
69	Sex differences, but no seasonal variations in the hippocampus of food-caching squirrels: A stereological study. , 2000, 425, 152.		1
70	Hippocampal-neocortical interaction: A hierarchy of associativity. , 2000, 10, 420.		1
71	Le dÃ©veloppement de la mÃ©moire spatiale chez lâ€™enfant entre 2 et 9Âans. Enfance, 2021, NÂ° 5, 19-35.	0.1	0