Peter R Rapp

List of Publications by Year
in descending order

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69 papers	5,110 citations	109321 35 h-index	110387 64 g-index
70 all docs	70 docs citations	70 times ranked	5054 citing authors

#	Article	IF	Citations
1	Recognition Memory is Associated with Distinct Patterns of Regional Gray Matter Volumes in Young and Aged Monkeys. Cerebral Cortex, 2022, 32, 933-948.	2.9	4
2	Effect of Cardiotonic Steroid Marinobufagenin on Vascular Remodeling and Cognitive Impairment in Young Dahl-S Rats. International Journal of Molecular Sciences, 2022, 23, 4563.	4.1	4
3	â€˜Arcâ€™-hitecture of normal cognitive aging. Ageing Research Reviews, 2022, 80, 101678.	10.9	1
4	Differential Retinoic Acid Signaling in the Hippocampus of Aged Rats with and without Memory Impairment. ENeuro, 2021, 8, ENEURO.0120-21.2021.	1.9	6
5	Effects of repetitive Transcranial Magnetic Stimulation in aged rats depend on pre-treatment cognitive status: Toward individualized intervention for successful cognitive aging. Brain Stimulation, 2021, 14, 1219-1225.	1.6	6
6	Reelin in the Years: decline in the number of reelin immunoreactive neurons in layer II of the entorhinal cortex in aged monkeys with memory impairment. Neurobiology of Aging, 2020, 87, 132-137.	3.1	24
7	Neuroadaptive Trajectories of Healthy Mindspan: From Genes to Neural Networks. , 2020, , 62-81.		5
8	Loss of Sensitivity to Rewards by Dopamine Neurons May Underlie Age-Related Increased Probability Discounting. Frontiers in Aging Neuroscience, 2020, 12, 49.	3.4	5
9	Functional Connectivity of Hippocampal CA3 Predicts Neurocognitive Aging via CA1â€“Frontal Circuit. Cerebral Cortex, 2020, 30, 4297-4305.	2.9	12
10	Survey of the Arc Epigenetic Landscape in Normal Cognitive Aging. Molecular Neurobiology, 2020, 57, 2727-2740.	4.0	9
11	Cognitive Reserve in Model Systems for Mechanistic Discovery: The Importance of Longitudinal Studies. Frontiers in Aging Neuroscience, 2020, 12, 607685.	3.4	40
12	Transcranial Magnetic Stimulation in Alzheimerâ€™s Disease: Are We Ready?. ENeuro, 2020, 7, ENEURO.0235-19.2019.	1.9	61
13	Behavioral Impact of Long-Term Chronic Implantation of Neural Recording Devices in the Rhesus Macaque. Neuromodulation, 2019, 22, 435-440.	0.8	6
14	Cortical network dynamics are coupled with cognitive aging in rats. Hippocampus, 2019, 29, 1165-1177.	1.9	7
15	What are the threats to successful brain and cognitive aging?. Neurobiology of Aging, 2019, 83, 130-134.	3.1	20
16	Isolation and Quantification Brain Region-Specific and Cell Subtype-Specific Histone (De)Acetylation in Cognitive Neuroepigenetics. Methods in Molecular Biology, 2019, 1983, 265-277.	0.9	1
17	HDAC3-Mediated Repression of the Nr4a Family Contributes to Age-Related Impairments in Long-Term Memory. Journal of Neuroscience, 2019, 39, 4999-5009.	3.6	40
18	Cover Image, Volume 29, Issue 12. Hippocampus, 2019, 29, C1.	1.9	0

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19	Synaptic distributions of pS214â€tau in rhesus monkey prefrontal cortex are associated with spine density, but not with cognitive decline. Journal of Comparative Neurology, 2019, 527, 856-873.	1.6	4
20	Estrogen Alters the Synaptic Distribution of Phospho-GluN2B in the Dorsolateral Prefrontal Cortex While Promoting Working Memory in Aged Rhesus Monkeys. Neuroscience, 2018, 394, 303-315.	2.3	16
21	Selective Loss of Thin Spines in Area 7a of the Primate Intraparietal Sulcus Predicts Age-Related Working Memory Impairment. Journal of Neuroscience, 2018, 38, 10467-10478.	3.6	31
22	Diverse Synaptic Distributions of G Protein-coupled Estrogen Receptor 1 in Monkey Prefrontal Cortex with Aging and Menopause. Cerebral Cortex, 2017, 27, bhw050.	2.9	18
23	Sex biology contributions to vulnerability to Alzheimer's disease: A think tank convened by the Women's Alzheimer's Research Initiative. Alzheimer's and Dementia, 2016, 12, 1186-1196.	0.8	180
24	Functional connectivity with the retrosplenial cortex predicts cognitive aging in rats. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12286-12291.	7.1	69
25	Constituents and functional implications of the rat default mode network. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4541-7.	7.1	90
26	Estrogen Restores Multisynaptic Boutons in the Dorsolateral Prefrontal Cortex while Promoting Working Memory in Aged Rhesus Monkeys. Journal of Neuroscience, 2016, 36, 901-910.	3.6	48
27	Head west or left, east or right: interactions between memory systems in neurocognitive aging. Neurobiology of Aging, 2015, 36, 3067-3078.	3.1	36
28	Experience Modulates the Effects of Histone Deacetylase Inhibitors on Gene and Protein Expression in the Hippocampus: Impaired Plasticity in Aging. Journal of Neuroscience, 2015, 35, 11729-11742.	3.6	20
29	Epigenetic contributions to cognitive aging: disentangling mindspan and lifespan. Learning and Memory, 2014, 21, 569-574.	1.3	44
30	Reassessing the effects of histone deacetylase inhibitors on hippocampal memory and cognitive aging. Hippocampus, 2014, 24, 1006-1016.	1.9	27
31	Presynaptic mitochondrial morphology in monkey prefrontal cortex correlates with working memory and is improved with estrogen treatment. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 486-491.	7.1	201
32	Pancreatic polypeptide inhibits somatostatin secretion. FEBS Letters, 2014, 588, 3233-3239.	2.8	28
33	A fine balance: Regulation of hippocampal Arc/Arg3.1 transcription, translation and degradation in a rat model of normal cognitive aging. Neurobiology of Learning and Memory, 2014, 115, 58-67.	1.9	38
34	A quantitative neural network approach to understanding aging phenotypes. Ageing Research Reviews, 2014, 15, 44-50.	10.9	20
35	CREB-binding protein levels in the rat hippocampus fail to predict chronological or cognitive aging. Neurobiology of Aging, 2013, 34, 832-844.	3.1	12
36	Hilar interneuron vulnerability distinguishes aged rats with memory impairment. Journal of Comparative Neurology, 2013, 521, 3508-3523.	1.6	110

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37	Synaptic Distributions of GluA2 and PKMÎ¶ in the Monkey Dentate Gyrus and Their Relationships with Aging and Memory. Journal of Neuroscience, 2012, 32, 7336-7344.	3.6	56
38	Clinically Relevant Hormone Treatments Fail to Induce Spinogenesis in Prefrontal Cortex of Aged Female Rhesus Monkeys. Journal of Neuroscience, 2012, 32, 11700-11705.	3.6	27
39	Neuronal and morphological bases of cognitive decline in aged rhesus monkeys. Age, 2012, 34, 1051-1073.	3.0	114
40	Synaptic correlates of memory and menopause in the hippocampal dentate gyrus in rhesus monkeys. Neurobiology of Aging, 2012, 33, 421.e17-421.e28.	3.1	60
41	Age-Related Memory Impairment Is Associated with Disrupted Multivariate Epigenetic Coordination in the Hippocampus. PLoS ONE, 2012, 7, e33249.	2.5	70
42	Synaptic Characteristics of Dentate Gyrus Axonal Boutons and Their Relationships with Aging, Menopause, and Memory in Female Rhesus Monkeys. Journal of Neuroscience, 2011, 31, 7737-7744.	3.6	59
43	Volumetric Correlates of Spatiotemporal Working and Recognition Memory Impairment in Aged Rhesus Monkeys. Cerebral Cortex, 2011, 21, 1559-1573.	2.9	68
44	Selective Changes in Thin Spine Density and Morphology in Monkey Prefrontal Cortex Correlate with Aging-Related Cognitive Impairment. Journal of Neuroscience, 2010, 30, 7507-7515.	3.6	367
45	Age-related spatial learning impairment is unrelated to spinophilin immunoreactive spine number and protein levels in rat hippocampus. Neurobiology of Aging, 2008, 29, 1256-1264.	3.1	17
46	Age-Related Regional Network of Magnetic Resonance Imaging Gray Matter in the Rhesus Macaque. Journal of Neuroscience, 2008, 28, 2710-2718.	3.6	78
47	Interactive effects of age and estrogen on cognition and pyramidal neurons in monkey prefrontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11465-11470.	7.1	146
48	Hippocampal volume is preserved and fails to predict recognition memory impairment in aged rhesus monkeys (Macaca mulatta). Neurobiology of Aging, 2006, 27, 1405-1415.	3.1	67
49	Individual differences in neurocognitive aging of the medial temporal lobe. Age, 2006, 28, 221-233.	3.0	49
50	Fornix Lesions Decouple the Induction of Hippocampal Arc Transcription from Behavior But Not Plasticity. Journal of Neuroscience, 2006, 26, 1507-1515.	3.6	49
51	Estrogen Alters Spine Number and Morphology in Prefrontal Cortex of Aged Female Rhesus Monkeys. Journal of Neuroscience, 2006, 26, 2571-2578.	3.6	229
52	Neuropathology of normal aging in cerebral cortex. , 2005, , 396-406.		0
53	From The Cover: Imaging correlates of brain function in monkeys and rats isolates a hippocampal subregion differentially vulnerable to aging. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7181-7186.	7.1	264
54	Entorhinal Cortex Lesions Disrupt the Relational Organization of Memory in Monkeys. Journal of Neuroscience, 2004, 24, 9811-9825.	3.6	178

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55	Who's the fairest of them all? Role of the human hippocampus in the relational organization of memory. Hippocampus, 2004, 14, 141-142.	1.9	8
56	Reduction in hippocampal cholinergic innervation is unrelated to recognition memory impairment in aged rhesus monkeys. Journal of Comparative Neurology, 2004, 475, 238-246.	1.6	46
57	Estrogen increases the number of spinophilinâ€immunoreactive spines in the hippocampus of young and aged female rhesus monkeys. Journal of Comparative Neurology, 2003, 465, 540-550.	1.6	187
58	Cyclic Estrogen Replacement Improves Cognitive Function in Aged Ovariectomized Rhesus Monkeys. Journal of Neuroscience, 2003, 23, 5708-5714.	3.6	322
59	Neuron Number in the Parahippocampal Region is Preserved in Aged Rats with Spatial Learning Deficits. Cerebral Cortex, 2002, 12, 1171-1179.	2.9	105
60	Hippocampal dependent learning ability correlates with N-methyl-D-aspartate (NMDA) receptor levels in CA3 neurons of young and aged rats. Journal of Comparative Neurology, 2001, 432, 230-243.	1.6	104
61	Circuit-Specific Alterations in Hippocampal Synaptophysin Immunoreactivity Predict Spatial Learning Impairment in Aged Rats. Journal of Neuroscience, 2000, 20, 6587-6593.	3.6	360
62	Morphometric studies of the aged hippocampus: I. Volumetric analysis in behaviorally characterized rats. Journal of Comparative Neurology, 1999, 403, 459-470.	1.6	84
63	Morphometric studies of the aged hippocampus: I. Volumetric analysis in behaviorally characterized rats. Journal of Comparative Neurology, 1999, 403, 459-470.	1.6	2
64	Representational organization in the aged hippocampus. , 1998, 8, 432-435.		17
65	Reproductive senescence predicts cognitive decline in aged female monkeys. NeuroReport, 1997, 8, 2047-2051.	1.2	100
66	THE USE OF ANIMAL MODELS TO STUDY THE EFFECTS OF AGING ON COGNITION. Annual Review of Psychology, 1997, 48, 339-370.	17.7	379
67	Functional components of the hippocampal memory system: Implications for future learning and memory research in nonhuman primates. Behavioral and Brain Sciences, 1994, 17, 491-492.	0.7	0
68	Recognition memory deficits in a subpopulation of aged monkeys resemble the effects of medial temporal lobe damage. Neurobiology of Aging, 1991, 12, 481-486.	3.1	138
69	Visual discrimination and reversal learning in the aged monkey (Macaca mulatta).. Behavioral Neuroscience, 1990, 104, 876-884.	1.2	112