John H Morrison

List of Publications by Year
in descending order

78 papers	9,121 citations	76326 40 h-index	95266 68 g-index
80 all docs	80 docs citations	80 times ranked	9868 citing authors

#	Article	IF	Citations
1	Neuroanatomical abnormalities in a nonhuman primate model of congenital Zika virus infection. ELife, 2022, 11, .	6.0	7
2	SARS-CoV-2 induces robust germinal center CD4 T follicular helper cell responses in rhesus macaques. Nature Communications, 2021, 12, 541.	12.8	66
3	A novel tauâ€based rhesus monkey model of Alzheimer's pathogenesis. Alzheimer's and Dementia, 2021, 17, 933-945.	0.8	42
4	Towards developing a rhesus monkey model of early Alzheimer's disease focusing on women's health. American Journal of Primatology, 2021, 83, e23289.	1.7	8
5	Head-mounted microendoscopic calcium imaging in dorsal premotor cortex of behaving rhesus macaque. Cell Reports, 2021, 35, 109239.	6.4	35
6	Improving rigor and reproducibility in nonhuman primate research. American Journal of Primatology, 2021, 83, e23331.	1.7	14
7	Monoclonal antibodies protect aged rhesus macaques from SARS-CoV-2-induced immune activation and neuroinflammation. Cell Reports, 2021, 37, 109942.	6.4	9
8	Novel approaches to study the Zika virus in the brain. Journal of Neuroscience Research, 2020, 98, 227-228.	2.9	1
9	Estrogenic Regulation of Synaptic Health and Cognition in Aging Rhesus Monkeys. , 2020, , 303-334.		1
10	Oligomeric AÎ² in the monkey brain impacts synaptic integrity and induces accelerated cortical aging. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26239-26246.	7.1	67
11	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
12	Effects of estrogen and aging on synaptic morphology and distribution of phosphorylated Tyr1472 NR2B in the female rat hippocampus. Neurobiology of Aging, 2019, 73, 200-210.	3.1	15
13	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
14	An Open Resource for Non-human Primate Imaging. Neuron, 2018, 100, 61-74.e2.	8.1	190
15	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
16	Future directions in animal models of Alzheimerâ€™s disease. Journal of Neuroscience Research, 2018, 96, 1829-1830.	2.9	3
17	Intraamniotic Zika virus inoculation of pregnant rhesus macaques produces fetal neurologic disease. Nature Communications, 2018, 9, 2414.	12.8	66
18	Cell-Type Specific Changes in Glial Morphology and Glucocorticoid Expression During Stress and Aging in the Medial Prefrontal Cortex. Frontiers in Aging Neuroscience, 2018, 10, 146.	3.4	16

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19	Identification of Immunoreactive Luteinizing Hormone Receptors in the Adrenal Cortex of the Female Rhesus Macaque. Reproductive Sciences, 2016, 23, 524-530.	2.5	5
20	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
21	Estrogen Effects on Cognitive and Synaptic Health Over the Lifecourse. Physiological Reviews, 2015, 95, 785-807.	28.8	305
22	Glutamatergic regulation prevents hippocampal-dependent age-related cognitive decline through dendritic spine clustering. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18733-18738.	7.1	99
23	Synaptic Health. JAMA Psychiatry, 2014, 71, 835.	11.0	27
24	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
25	Morphological and molecular changes in aging rat prelimbic prefrontal cortical synapses. Neurobiology of Aging, 2013, 34, 200-210.	3.1	40
26	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
27	Neuronal and morphological bases of cognitive decline in aged rhesus monkeys. Age, 2012, 34, 1051-1073.	3.0	114
28	The ageing cortical synapse: hallmarks and implications for cognitive decline. Nature Reviews Neuroscience, 2012, 13, 240-250.	10.2	810
29	Evidence for Reduced Experience-Dependent Dendritic Spine Plasticity in the Aging Prefrontal Cortex. Journal of Neuroscience, 2011, 31, 7831-7839.	3.6	177
30	High-throughput, detailed, cell-specific neuroanatomy of dendritic spines using microinjection and confocal microscopy. Nature Protocols, 2011, 6, 1391-1411.	12.0	138
31	A mechanism emerges for the critical period hypothesis for estrogen treatment. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14375-14376.	7.1	2
32	Estrogen and the aging brain: an elixir for the weary cortical network. Annals of the New York Academy of Sciences, 2010, 1204, 104-112.	3.8	85
33	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
34	Environmental estrogens impact primate brain. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13705-13706.	7.1	3
35	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
36	Life and Death of Neurons in the Aging Cerebral Cortex. FASEB Journal, 2007, 21, A136.	0.5	0

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37	Estrogen, Menopause, and the Aging Brain: How Basic Neuroscience Can Inform Hormone Therapy in Women. Journal of Neuroscience, 2006, 26, 10332-10348.	3.6	297
38	Estrogen Alters Spine Number and Morphology in Prefrontal Cortex of Aged Female Rhesus Monkeys. Journal of Neuroscience, 2006, 26, 2571-2578.	3.6	229
39	3P266 Analysis of synaptic localization of estrogen receptor in the rat hippocampus. Seibutsu Butsuri, 2005, 45, S270.	0.1	0
40	Neuropathology of normal aging in cerebral cortex. , 2005, , 396-406.		0
41	The aging brain: morphomolecular senescence of cortical circuits. Trends in Neurosciences, 2004, 27, 607-613.	8.6	354
42	3P235 Synaptic localization of estrogen receptor alpha and neurosteroidogenic enzymes in the hippocampus. Seibutsu Butsuri, 2004, 44, S248.	0.1	0
43	Age-related Dendritic and Spine Changes in Corticocortically Projecting Neurons in Macaque Monkeys. Cerebral Cortex, 2003, 13, 950-961.	2.9	276
44	Aging and Mammalian Cerebral Cortex. Alzheimer Disease and Associated Disorders, 2003, 17, S51-S53.	1.3	3
45	Cyclic Estrogen Replacement Improves Cognitive Function in Aged Ovariectomized Rhesus Monkeys. Journal of Neuroscience, 2003, 23, 5708-5714.	3.6	322
46	Chapter 37 Selective vulnerability of corticocortical and hippocampal circuits in aging and Alzheimer's disease. Progress in Brain Research, 2002, 136, 467-486.	1.4	214
47	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
48	Differential vulnerability of oculomotor, facial, and hypoglossal nuclei in G86R superoxide dismutase transgenic mice. Journal of Comparative Neurology, 2000, 416, 112-125.	1.6	105
49	Differential synaptic localization of the glutamate transporter EAAC1 and glutamate receptor subunit gluR2 in the rat hippocampus. , 2000, 418, 255-269.		138
50	Numbers of Meynert and layer IVB cells in area V1: A stereologic analysis in young and aged macaque monkeys. , 2000, 420, 113-126.		73
51	Differential synaptic localization of the glutamate transporter EAAC1 and glutamate receptor subunit gluR2 in the rat hippocampus. Journal of Comparative Neurology, 2000, 418, 255.	1.6	3
52	Proficiencies of Three Anaerobic Culture Systems for Recovering Periodontal Pathogenic Bacteria. Journal of Clinical Microbiology, 1999, 37, 171-174.	3.9	34
53	Enhanced long-term potentiation and impaired learning in mice with mutant postsynaptic density-95 protein. Nature, 1998, 396, 433-439.	27.8	1,054
54	Synaptic coexistence of AMPA and NMDA receptors in the rat hippocampus: A postembedding immunogold study. Journal of Neuroscience Research, 1998, 54, 444-449.	2.9	64

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55	Time course of neuropathology in the spinal cord of G86R superoxide dismutase transgenic mice. Journal of Comparative Neurology, 1998, 391, 64-77.	1.6	91
56	Light and electron microscopic distribution of the AMPA receptor subunit, GluR2, in the spinal cord of control and G86R mutant superoxide dismutase transgenic mice. , 1998, 395, 523-534.		57
57	Superoxide dismutase and neurofilament transgenic models of amyotrophic lateral sclerosis. The Journal of Experimental Zoology, 1998, 282, 32-47.	1.4	23
58	Clinical and Microbiological Evaluation of a Bioabsorbable and a Nonresorbable Barrier Membrane in the Treatment of Periodontal Intraosseous Lesions. Journal of Periodontology, 1998, 69, 445-453.	3.4	63
59	Determinants of neuronal vulnerability in neurodegenerative diseases. Annals of Neurology, 1998, 44, S32-44.	5.3	99
60	Callosally projecting neurons in the macaque monkey V1/V2 border are enriched in nonphosphorylated neurofilament protein. Visual Neuroscience, 1997, 14, 981-987.	1.0	31
61	Neurofilament and calcium-binding proteins in the human cingulate cortex. Journal of Comparative Neurology, 1997, 384, 597-620.	1.6	75
62	Altered distribution of the Î±-amino-3-hydroxy-5-methyl-4-isoxazole propionate receptor subunit GluR2(4) and the N -methyl- d -aspartate receptor subunit NMDAR1 in the hippocampus of patients with temporal lobe epilepsy. Acta Neuropathologica, 1996, 92, 576-587.	7.7	54
63	Quantitative immunocytochemical analysis of the spinal cord in G86R superoxide dismutase transgenic mice: Neurochemical correlates of selective vulnerability. , 1996, 373, 619-631.		83
64	Neurochemical, morphologic, and laminar characterization of cortical projection neurons in the cingulate motor areas of the macaque monkey. , 1996, 374, 136-160.		97
65	Neurofilament protein is differentially distributed in subpopulations of corticocortical projection neurons in the macaque monkey visual pathways. Journal of Comparative Neurology, 1996, 376, 112-127.	1.6	104
66	Neurochemical, morphologic, and laminar characterization of cortical projection neurons in the cingulate motor areas of the macaque monkey. Journal of Comparative Neurology, 1996, 374, 136-160.	1.6	3
67	Neurofilament protein defines regional patterns of cortical organization in the macaque monkey visual system: A quantitative immunohistochemical analysis. Journal of Comparative Neurology, 1995, 352, 161-186.	1.6	255
68	Spindle neurons of the human anterior cingul. Ate cortex. Journal of Comparative Neurology, 1995, 355, 27-37.	1.6	226
69	Morphology and kainate-receptor immunoreactivity of identified neurons within the entorhinal cortex projecting to superior temporal sulcus in the cynomolgus monkey. Journal of Comparative Neurology, 1995, 357, 25-35.	1.6	16
70	Human orbitofrontal cortex: Cytoarchitecture and quantitative immunohistochemical parcellation. Journal of Comparative Neurology, 1995, 359, 48-68.	1.6	153
71	Neurochemical phenotype of corticocortical connections in the macaque monkey: Quantitative analysis of a subset of neurofilament proteinâ€immunoreactive projection neurons in frontal, parietal, temporal, and cingulate cortices. Journal of Comparative Neurology, 1995, 362, 109-133.	1.6	158
72	Noradrenergic innervation of vasopressin-and oxytocin-containing neurons in the hypothalamic paraventricular nucleus of the macaque monkey: Quantitative analysis using double-label immunohistochemistry and confocal laser microscopy. Journal of Comparative Neurology, 1994, 341, 476-491.	1.6	52

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73	Noradrenergic innervation of the hypothalamus of rhesus monkeys: Distribution of dopamine-?-hydroxylase immunoreactive fibers and quantitative analysis of varicosities in the paraventricular nucleus. Journal of Comparative Neurology, 1993, 327, 597-611.	1.6	28
74	Localisation of mRNA encoding the protein precursor of galanin in the monkey hypothalamus and basal forebrain. Journal of Comparative Neurology, 1993, 328, 203-212.	1.6	19
75	Parvalbumin-Immunoreactive Neurons in the Neocortex are Resistant to Degeneration in AlzheimerÊ¼s Disease. Journal of Neuropathology and Experimental Neurology, 1991, 50, 451-462.	1.7	168
76	Quantitative analysis of a vulnerable subset of pyramidal neurons in Alzheimer's disease: I. Superior frontal and inferior temporal cortex. Journal of Comparative Neurology, 1990, 301, 44-54.	1.6	357
77	Quantitative analysis of a vulnerable subset of pyramidal neurons in Alzheimer's disease: II. Primary and secondary visual cortex. Journal of Comparative Neurology, 1990, 301, 55-64.	1.6	293
78	Distribution of parvalbumin immunoreactivity in the visual cortex of Old World monkeys and humans. Journal of Comparative Neurology, 1990, 301, 417-432.	1.6	161