

Mary Ann Raghanti

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

4,348
citations

186265

28
h-index

128289

60
g-index

71
all docs

71
docs citations

71
times ranked

7340
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular Scaling Rules for the Brains of Marsupials: Not as "Primitive" as Expected. <i>Brain, Behavior and Evolution</i> , 2017, 89, 48-63.	1.7	1,761
2	Evolution of increased glia"neuron ratios in the human frontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13606-13611.	7.1	303
3	Molecular and cellular reorganization of neural circuits in the human lineage. <i>Science</i> , 2017, 358, 1027-1032.	12.6	192
4	A volumetric comparison of the insular cortex and its subregions in primates. <i>Journal of Human Evolution</i> , 2013, 64, 263-279.	2.6	143
5	Ape Conservation Physiology: Fecal Glucocorticoid Responses in Wild <i>Pongo pygmaeus morio</i> following Human Visitation. <i>PLoS ONE</i> , 2012, 7, e33357.	2.5	110
6	Cortical dopaminergic innervation among humans, chimpanzees, and macaque monkeys: A comparative study. <i>Neuroscience</i> , 2008, 155, 203-220.	2.3	98
7	Aged chimpanzees exhibit pathologic hallmarks of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2017, 59, 107-120.	3.1	93
8	Human brain evolution writ large and small. <i>Progress in Brain Research</i> , 2012, 195, 237-254.	1.4	89
9	Alzheimer's disease pathology in the neocortex and hippocampus of the western lowland gorilla (<i>Gorilla gorilla gorilla</i>). <i>Journal of Comparative Neurology</i> , 2013, 521, 4318-4338.	1.6	74
10	Differences in Cortical Serotonergic Innervation among Humans, Chimpanzees, and Macaque Monkeys: A Comparative Study. <i>Cerebral Cortex</i> , 2008, 18, 584-597.	2.9	69
11	Scaling of Inhibitory Interneurons in Areas V1 and V2 of Anthropoid Primates as Revealed by Calcium-Binding Protein Immunohistochemistry. <i>Brain, Behavior and Evolution</i> , 2007, 69, 176-195.	1.7	67
12	Human Evolution and the Chimpanzee Referential Doctrine. <i>Annual Review of Anthropology</i> , 2012, 41, 119-138.	1.5	63
13	A comparison of nocturnal primate behavior in exhibits illuminated with red and blue light. <i>Applied Animal Behaviour Science</i> , 2016, 184, 126-134.	1.9	61
14	Cholinergic innervation of the frontal cortex: Differences among humans, chimpanzees, and macaque monkeys. <i>Journal of Comparative Neurology</i> , 2008, 506, 409-424.	1.6	59
15	A neurochemical hypothesis for the origin of hominids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1108-E1116.	7.1	57
16	Organizational effects of oxytocin on serotonin innervation. <i>Developmental Psychobiology</i> , 2012, 54, 92-97.	1.6	54
17	A comparative perspective on minicolumns and inhibitory GABAergic interneurons in the neocortex. <i>Frontiers in Neuroanatomy</i> , 2010, 4, 3.	1.7	43
18	An analysis of von Economo neurons in the cerebral cortex of cetaceans, artiodactyls, and perissodactyls. <i>Brain Structure and Function</i> , 2015, 220, 2303-2314.	2.3	43

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19	Inhibitory interneurons of the human prefrontal cortex display conserved evolution of the phenotype and related genes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1011-1020.	2.6	42
20	The neocortex of cetaceans: cytoarchitecture and comparison with other aquatic and terrestrial species. <i>Annals of the New York Academy of Sciences</i> , 2011, 1225, 47-58.	3.8	42
21	The corpus callosum in primates: processing speed of axons and the evolution of hemispheric asymmetry. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151535.	2.6	42
22	The role of monoamine oxidase enzymes in the pathophysiology of neurological disorders. <i>Journal of Chemical Neuroanatomy</i> , 2021, 114, 101957.	2.1	42
23	The effects of predictable and unpredictable feeding schedules on the behavior and physiology of captive brown capuchins (<i>Cebus apella</i>). <i>Applied Animal Behaviour Science</i> , 2006, 101, 154-160.	1.9	41
24	The Cerebral Cortex of the Pygmy Hippopotamus, <i>Hexaprotodon liberiensis</i> (Cetartiodactyla). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> 670-700.	1.4	40
25	Species-specific distributions of tyrosine hydroxylase-immunoreactive neurons in the prefrontal cortex of anthropoid primates. <i>Neuroscience</i> , 2009, 158, 1551-1559.	2.3	38
26	Combining diffusion magnetic resonance tractography with stereology highlights increased cross-cortical integration in primates. <i>Journal of Comparative Neurology</i> , 2017, 525, 1075-1093.	1.6	36
27	Invariant Synapse Density and Neuronal Connectivity Scaling in Primate Neocortical Evolution. <i>Cerebral Cortex</i> , 2020, 30, 5604-5615.	2.9	36
28	Analysis of Synaptic Gene Expression in the Neocortex of Primates Reveals Evolutionary Changes in Glutamatergic Neurotransmission. <i>Cerebral Cortex</i> , 2015, 25, 1596-1607.	2.9	33
29	Comparative morphology of gigantopyramidal neurons in primary motor cortex across mammals. <i>Journal of Comparative Neurology</i> , 2018, 526, 496-536.	1.6	33
30	Comparative analysis of the nucleus basalis of Meynert among primates. <i>Neuroscience</i> , 2011, 184, 1-15.	2.3	32
31	Human-specific increase of dopaminergic innervation in a striatal region associated with speech and language: A comparative analysis of the primate basal ganglia. <i>Journal of Comparative Neurology</i> , 2016, 524, 2117-2129.	1.6	32
32	Evidence of a Conserved Molecular Response to Selection for Increased Brain Size in Primates. <i>Genome Biology and Evolution</i> , 2017, 9, 700-713.	2.5	31
33	Microglia changes associated to Alzheimer's disease pathology in aged chimpanzees. <i>Journal of Comparative Neurology</i> , 2018, 526, 2921-2936.	1.6	30
34	Astrocytic changes with aging and Alzheimer's disease-type pathology in chimpanzees. <i>Journal of Comparative Neurology</i> , 2019, 527, 1179-1195.	1.6	30
35	Linking of serially ordered lists by macaque monkeys (<i>Macaca mulatta</i>): List position influences.. <i>Journal of Experimental Psychology</i> , 2003, 29, 211-221.	1.7	29
36	Serial list combination by monkeys (<i>Macaca mulatta</i>): test cues and linking. <i>Animal Cognition</i> , 2010, 13, 121-131.	1.8	27

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37	Increased inflammation and decreased insulin sensitivity indicate metabolic disturbances in zoo-managed compared to free-ranging black rhinoceros (<i>Diceros bicornis</i>). <i>General and Comparative Endocrinology</i> , 2015, 217-218, 10-19.	1.8	27
38	Is humanlike cytoarchitectural asymmetry present in another species with complex social vocalization? A stereologic analysis of mustached bat auditory cortex. <i>Brain Research</i> , 2005, 1045, 164-174.	2.2	25
39	Visual discrimination and reversal learning in aged common marmosets (<i>Callithrix jacchus</i>). <i>Neuroscience Research</i> , 2017, 124, 57-62.	1.9	23
40	Locomotor pattern fails to predict foramen magnum angle in rodents, strepsirrhine primates, and marsupials. <i>Journal of Human Evolution</i> , 2016, 94, 45-52.	2.6	21
41	Serial list linking by macaque monkeys (<i>Macaca mulatta</i>): List property limitations.. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2007, 121, 250-259.	0.5	17
42	Neuron loss associated with age but not Alzheimer's disease pathology in the chimpanzee brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190619.	4.0	17
43	Age- and cognition-related differences in the gray matter volume of the chimpanzee brain (<i>Pan troglodytes</i>). <i>Primates</i> , 2021, 83, e23264.	0.784314	17
44	Neuropeptide Y-immunoreactive Neurons in the Cerebral Cortex of Humans and Other Haplorhine Primates. <i>American Journal of Primatology</i> , 2013, 75, 415-424.	1.7	16
45	Synaptosomal Lactate Dehydrogenase Isoenzyme Composition Is Shifted toward Aerobic Forms in Primate Brain Evolution. <i>Brain, Behavior and Evolution</i> , 2014, 83, 216-230.	1.7	16
46	A Comparison of the Cortical Structure of the Bowhead Whale (<i>Balaena mysticetus</i>) and the Humpback Whale (<i>Megaptera novaeangliae</i>). <i>Journal of Comparative Neurology</i> , 2016, 524, 257-287.	1.4	16
47	Cholinergic innervation of the basal ganglia in humans and other anthropoid primates. <i>Journal of Comparative Neurology</i> , 2017, 525, 319-332.	1.6	15
48	Gradients in cytoarchitectural landscapes of the isocortex: Diprotodont marsupials in comparison to eutherian mammals. <i>Journal of Comparative Neurology</i> , 2017, 525, 1811-1826.	1.6	15
49	Cardiac disease is linked to adiposity in male gorillas (<i>Gorilla gorilla gorilla</i>). <i>PLoS ONE</i> , 2019, 14, e0218763.	2.5	14
50	Neocortical neuronal morphology in the newborn giraffe (<i>Giraffa camelopardalis</i>). <i>Journal of Comparative Neurology</i> , 2016, 524, 257-287.	1.6	9
51	Scaling of the corpus callosum in wild and domestic canids: Insights into the domesticated brain. <i>Journal of Comparative Neurology</i> , 2018, 526, 2341-2359.	1.6	9
52	Cytoarchitectural characteristics associated with cognitive flexibility in raccoons. <i>Journal of Comparative Neurology</i> , 2021, 529, 3375-3388.	1.6	8
53	Variable temporoinsular cortex neuroanatomy in primates suggests a bottleneck effect in eastern gorillas. <i>Journal of Comparative Neurology</i> , 2014, 522, 844-860.	1.6	7
54	Neuron Types in the Presumptive Primary Somatosensory Cortex of the Florida Manatee (<i>Trichechus manatus</i>). <i>Journal of Comparative Neurology</i> , 2017, 525, 1811-1826.	1.7	7

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55	Divergent lactate dehydrogenase isoenzyme profile in cellular compartments of primate forebrain structures. <i>Molecular and Cellular Neurosciences</i> , 2017, 82, 137-142.	2.2	7
56	Humans and great apes share increased neocortical neuropeptide Y innervation compared to other haplorhine primates. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 101.	2.0	6
57	Neocortical neuronal morphology in the Siberian Tiger (<i>Panthera tigris altaica</i>) and the clouded leopard (<i>Neofelis nebulosa</i>). <i>Journal of Comparative Neurology</i> , 2016, 524, 3641-3665.	1.6	6
58	The nucleus accumbens and ventral pallidum exhibit greater dopaminergic innervation in humans compared to other primates. <i>Brain Structure and Function</i> , 2021, 226, 1909-1923.	2.3	6
59	Rock Music: An Auditory Assessment of Knapping. <i>Lithic Technology</i> , 2021, 46, 320-335.	1.1	5
60	Monoamine oxidase polymorphisms in rhesus and Japanese macaques (<i>Macaca mulatta</i> and <i>M. fuscata</i>). <i>Journal of Chemical Neuroanatomy</i> , 2020, 103, 101726.	2.1	4
61	Experimental replication shows knives manufactured from frozen human feces do not work. <i>Journal of Archaeological Science: Reports</i> , 2019, 27, 102002.	0.5	3
62	Domesticated species: It takes one to know one. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14401-14403.	7.1	3
63	Decreased density of cholinergic interneurons in striatal territories in Williams syndrome. <i>Brain Structure and Function</i> , 2020, 225, 1019-1032.	2.3	3
64	Neutrophil to Lymphocyte Ratio (NLR) in captive chimpanzees (<i>Pan troglodytes</i>): The effects of sex, age, and rearing. <i>PLoS ONE</i> , 2020, 15, e0244092.	2.5	3
65	Tyrosine hydroxylase-producing neurons in the human cerebral cortex do not colocalize with calcium-binding proteins or the serotonin 3A receptor. <i>Journal of Chemical Neuroanatomy</i> , 2016, 78, 1-9.	2.1	2
66	A comparison of cell density and serotonergic innervation of the amygdala among four macaque species. <i>Journal of Comparative Neurology</i> , 2021, 529, 1659-1668.	1.6	2
67	Decreased Density of Cholinergic Interneurons in the Medial Caudate Nucleus in Humans with Williams Syndrome. <i>FASEB Journal</i> , 2018, 32, 781.4.	0.5	2
68	Probing the proboscidea: Lessons from the past. <i>Journal of Comparative Neurology</i> , 2015, 523, 2321-2325.	1.6	0