

Katerina Semendeferi

List of Publications by Year in descending order

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57
papers

6,027
citations

186265
28
h-index

175258
52
g-index

59
all docs

59
docs citations

59
times ranked

6627
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuron Number and Size in Prefrontal Cortex of Children With Autism. JAMA - Journal of the American Medical Association, 2011, 306, 2001.	7.4	621
2	Prefrontal cortex in humans and apes: A comparative study of area 10. American Journal of Physical Anthropology, 2001, 114, 224-241.	2.1	592
3	Microglial Activation and Increased Microglial Density Observed in the Dorsolateral Prefrontal Cortex in Autism. Biological Psychiatry, 2010, 68, 368-376.	1.3	590
4	Humans and great apes share a large frontal cortex. Nature Neuroscience, 2002, 5, 272-276.	14.8	519
5	The von Economo neurons in frontoinsular and anterior cingulate cortex in great apes and humans. Brain Structure and Function, 2010, 214, 495-517.	2.3	377
6	The brain and its main anatomical subdivisions in living hominoids using magnetic resonance imaging. Journal of Human Evolution, 2000, 38, 317-332.	2.6	290
7	Human prefrontal cortex. Progress in Brain Research, 2012, 195, 191-218.	1.4	274
8	The evolution of the frontal lobes: a volumetric analysis based on three-dimensional reconstructions of magnetic resonance scans of human and ape brains. Journal of Human Evolution, 1997, 32, 375-388.	2.6	264
9	The von Economo neurons in the frontoinsular and anterior cingulate cortex. Annals of the New York Academy of Sciences, 2011, 1225, 59-71.	3.8	207
10	Abnormal microglial neuronal spatial organization in the dorsolateral prefrontal cortex in autism. Brain Research, 2012, 1456, 72-81.	2.2	193
11	Spatial Organization of Neurons in the Frontal Pole Sets Humans Apart from Great Apes. Cerebral Cortex, 2011, 21, 1485-1497.	2.9	180
12	A human neurodevelopmental model for Williams syndrome. Nature, 2016, 536, 338-343.	27.8	166
13	Limbic frontal cortex in hominoids: A comparative study of area 13. American Journal of Physical Anthropology, 1998, 106, 129-155.	2.1	148
14	A volumetric comparison of the insular cortex and its subregions in primates. Journal of Human Evolution, 2013, 64, 263-279.	2.6	143
15	Evolution of the brainstem orofacial motor system in primates: a comparative study of trigeminal, facial, and hypoglossal nuclei. Journal of Human Evolution, 2005, 48, 45-84.	2.6	132
16	Reduced minicolumns in the frontal cortex of patients with autism. Neuropathology and Applied Neurobiology, 2006, 32, 483-491.	3.2	122
17	Dendritic Morphology of Pyramidal Neurons in the Chimpanzee Neocortex: Regional Specializations and Comparison to Humans. Cerebral Cortex, 2013, 23, 2429-2436.	2.9	114
18	Neural connectivity and cortical substrates of cognition in hominoids. Journal of Human Evolution, 2005, 49, 547-569.	2.6	108

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19	A comparative quantitative analysis of cytoarchitecture and minicolumnar organization in Broca's area in humans and great apes. <i>Journal of Comparative Neurology</i> , 2008, 510, 117-128.	1.6	106
20	Reintroduction of the archaic variant of <i>NOVA1</i> in cortical organoids alters neurodevelopment. <i>Science</i> , 2021, 371, .	12.6	96
21	Species-specific maturation profiles of human, chimpanzee and bonobo neural cells. <i>ELife</i> , 2019, 8, .	6.0	94
22	A comparative volumetric analysis of the amygdaloid complex and basolateral division in the human and ape brain. <i>American Journal of Physical Anthropology</i> , 2007, 134, 392-403.	2.1	71
23	Is prefrontal white matter enlargement a human evolutionary specialization?. <i>Nature Neuroscience</i> , 2005, 8, 537-538.	14.8	64
24	Evidence for evolutionary specialization in human limbic structures. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 277.	2.0	59
25	No reduction of spindle neuron number in frontoinsula cortex in autism. <i>Brain and Cognition</i> , 2007, 64, 124-129.	1.8	51
26	Evolution, development, and plasticity of the human brain: from molecules to bones. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 707.	2.0	50
27	Neuronal populations in the basolateral nuclei of the amygdala are differentially increased in humans compared with apes: A stereological study. <i>Journal of Comparative Neurology</i> , 2012, 520, 3035-3054.	1.6	49
28	Comparative analyses of the neuron numbers and volumes of the amygdaloid complex in old and new world primates. <i>Journal of Comparative Neurology</i> , 2010, 518, 1176-1198.	1.6	29
29	Identification of in vivo Sulci on the External Surface of Eight Adult Chimpanzee Brains: Implications for Interpreting Early Hominin Endocasts. <i>Brain, Behavior and Evolution</i> , 2018, 91, 45-58.	1.7	28
30	Neuroanatomical Basis of Facial Expression in Monkeys, Apes, and Humans. <i>Annals of the New York Academy of Sciences</i> , 2006, 1000, 99-103.	3.8	27
31	The New Science of Practical Wisdom. <i>Perspectives in Biology and Medicine</i> , 2019, 62, 216-236.	0.5	26
32	Developmental changes in the spatial organization of neurons in the neocortex of humans and common chimpanzees. <i>Journal of Comparative Neurology</i> , 2013, 521, 4249-4259.	1.6	25
33	EVOLUTION OF THE HUMAN BRAIN. <i>Neurosurgery</i> , 2007, 60, 555-562.	1.1	20
34	Basal Dendritic Morphology of Cortical Pyramidal Neurons in Williams Syndrome: Prefrontal Cortex and Beyond. <i>Frontiers in Neuroscience</i> , 2017, 11, 419.	2.8	20
35	Great Ape Phenome Project?. , 1998, 282, 239d-239.		20
36	Neuron density is decreased in the prefrontal cortex in Williams syndrome. <i>Autism Research</i> , 2017, 10, 99-112.	3.8	18

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37	Novel Tools, Classic Techniques: Evolutionary Studies Using Primate Pluripotent Stem Cells. <i>Biological Psychiatry</i> , 2014, 75, 929-935.	1.3	17
38	A postmortem stereological study of the amygdala in Williams syndrome. <i>Brain Structure and Function</i> , 2018, 223, 1897-1907.	2.3	13
39	A Dual Comparative Approach: Integrating Lines of Evidence from Human Evolutionary Neuroanatomy and Neurodevelopmental Disorders. <i>Brain, Behavior and Evolution</i> , 2014, 84, 135-155.	1.7	11
40	Serotonergic innervation of the amygdala is increased in autism spectrum disorder and decreased in Williams syndrome. <i>Molecular Autism</i> , 2020, 11, 12.	4.9	11
41	Micro RNA detection in long-term fixed tissue of cortical glutamatergic pyramidal neurons after targeted laser-capture neuroanatomical microdissection. <i>Journal of Neuroscience Methods</i> , 2014, 235, 76-82.	2.5	10
42	Increased glia density in the caudate nucleus in williams syndrome: Implications for frontostriatal dysfunction in autism. <i>Developmental Neurobiology</i> , 2018, 78, 531-545.	3.0	9
43	Decreased Neuron Density and Increased Glia Density in the Ventromedial Prefrontal Cortex (Brodmann Area 25) in Williams Syndrome. <i>Brain Sciences</i> , 2018, 8, 209.	2.3	9
44	Advances in the study of hominoid brain evolution: magnetic resonance imaging (MRI) and 3-D reconstruction. , 2001, , 257-289.		8
45	Serotonergic innervation of the human amygdala and evolutionary implications. <i>American Journal of Physical Anthropology</i> , 2019, 170, 351-360.	2.1	8
46	The comparative neuroprimatology 2018 (CNP-2018) road map for research on <i>How the Brain Got Language</i>. <i>Interaction Studies</i> , 2018, 19, 370-387.	0.6	7
47	Neurodevelopmental disorders of the prefrontal cortex in an evolutionary context. <i>Progress in Brain Research</i> , 2019, 250, 109-127.	1.4	5
48	Prefrontal cortex in humans and apes: A comparative study of area 10. <i>American Journal of Physical Anthropology</i> , 2001, 114, 224-241.	2.1	5
49	Microstructural Asymmetries of the Cerebral Cortex in Humans and Other Mammals. <i>Special Topics in Primatology</i> , 2007, 5, 92-118.	0.3	4
50	Why do we want to talk?. <i>Interaction Studies</i> , 2018, 19, 102-120.	0.6	4
51	Decreased density of cholinergic interneurons in striatal territories in Williams syndrome. <i>Brain Structure and Function</i> , 2020, 225, 1019-1032.	2.3	3
52	Infant Brain Development and Plasticity from an Evolutionary Perspective. <i>Evolutionary Psychology</i> , 2022, , 39-57.	1.8	3
53	On the eve of the decade of the brain. <i>American Journal of Primatology</i> , 1999, 48, 161-162.	1.7	2
54	Brain in a Dish. , 2016, , 117-132.		2

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55	Decreased Density of Cholinergic Interneurons in the Medial Caudate Nucleus in Humans with Williams Syndrome. FASEB Journal, 2018, 32, 781.4.	0.5	2
56	The comparative neuroprimatology 2018 (CNP-2018) road map for research on How the Brain Got Language. Contemporary Discourses of Hate and Radicalism Across Space and Genres, 2020, , 370-387.	0.0	1
57	Why do we want to talk?. Contemporary Discourses of Hate and Radicalism Across Space and Genres, 2020, , 102-120.	0.0	0