Katerina Semendeferi

List of Publications by Year
in descending order

57 papers	6,027 citations	212478 28 h-index	206121 51 g-index
59 all docs	59 docs citations	59 times ranked	7464 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.	3.8	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.	0.7	590
4	Humans and great apes share a large frontal cortex. Nature Neuroscience, 2002, 5, 272-276.	7.1	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.	1.2	377
6	The brain and its main anatomical subdivisions in living hominoids using magnetic resonance imaging. Journal of Human Evolution, 2000, 38, 317-332.	1.3	290
7	Human prefrontal cortex. Progress in Brain Research, 2012, 195, 191-218.	0.9	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.	1.3	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.	1.8	207
10	Abnormal microgliaâ€“neuronal spatial organization in the dorsolateral prefrontal cortex in autism. Brain Research, 2012, 1456, 72-81.	1.1	193
11	Spatial Organization of Neurons in the Frontal Pole Sets Humans Apart from Great Apes. Cerebral Cortex, 2011, 21, 1485-1497.	1.6	180
12	A human neurodevelopmental model for Williams syndrome. Nature, 2016, 536, 338-343.	13.7	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.	1.3	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.	1.3	132
16	Reduced minicolumns in the frontal cortex of patients with autism. Neuropathology and Applied Neurobiology, 2006, 32, 483-491.	1.8	122
17	Dendritic Morphology of Pyramidal Neurons in the Chimpanzee Neocortex: Regional Specializations and Comparison to Humans. Cerebral Cortex, 2013, 23, 2429-2436.	1.6	114
18	Neural connectivity and cortical substrates of cognition in hominoids. Journal of Human Evolution, 2005, 49, 547-569.	1.3	108

#	Article	IF	Citations
19	A comparative quantitative analysis of cytoarchitecture and minicolumnar organization in Broca's area in humans and great apes. Journal of Comparative Neurology, 2008, 510, 117-128.	0.9	106
20	Reintroduction of the archaic variant of <i>NOVA1</i> in cortical organoids alters neurodevelopment. Science, 2021, 371, .	6.0	96
21	Species-specific maturation profiles of human, chimpanzee and bonobo neural cells. ELife, 2019, 8, .	2.8	94
22	A comparative volumetric analysis of the amygdaloid complex and basolateral division in the human and ape brain. American Journal of Physical Anthropology, 2007, 134, 392-403.	2.1	71
23	Is prefrontal white matter enlargement a human evolutionary specialization?. Nature Neuroscience, 2005, 8, 537-538.	7.1	64
24	Evidence for evolutionary specialization in human limbic structures. Frontiers in Human Neuroscience, 2014, 8, 277.	1.0	59
25	No reduction of spindle neuron number in frontoinsular cortex in autism. Brain and Cognition, 2007, 64, 124-129.	0.8	51
26	Evolution, development, and plasticity of the human brain: from molecules to bones. Frontiers in Human Neuroscience, 2013, 7, 707.	1.0	50
27	Neuronal populations in the basolateral nuclei of the amygdala are differentially increased in humans compared with apes: A stereological study. Journal of Comparative Neurology, 2012, 520, 3035-3054.	0.9	49
28	Comparative analyses of the neuron numbers and volumes of the amygdaloid complex in old and new world primates. Journal of Comparative Neurology, 2010, 518, 1176-1198.	0.9	29
29	Identification of in vivo Sulci on the External Surface of Eight Adult Chimpanzee Brains: Implications for Interpreting Early Hominin Endocasts. Brain, Behavior and Evolution, 2018, 91, 45-58.	0.9	28
30	Neuroanatomical Basis of Facial Expression in Monkeys, Apes, and Humans. Annals of the New York Academy of Sciences, 2006, 1000, 99-103.	1.8	27
31	The New Science of Practical Wisdom. Perspectives in Biology and Medicine, 2019, 62, 216-236.	0.3	26
32	Developmental changes in the spatial organization of neurons in the neocortex of humans and common chimpanzees. Journal of Comparative Neurology, 2013, 521, 4249-4259.	0.9	25
33	EVOLUTION OF THE HUMAN BRAIN. Neurosurgery, 2007, 60, 555-562.	0.6	20
34	Basal Dendritic Morphology of Cortical Pyramidal Neurons in Williams Syndrome: Prefrontal Cortex and Beyond. Frontiers in Neuroscience, 2017, 11, 419.	1.4	20
35	Great Ape Phenome Project?. , 1998, 282, 239d-239.		20
36	Neuron density is decreased in the prefrontal cortex in Williams syndrome. Autism Research, 2017, 10, 99-112.	2.1	18

#	Article	IF	Citations
37	Novel Tools, Classic Techniques: Evolutionary Studies Using Primate Pluripotent Stem Cells. Biological Psychiatry, 2014, 75, 929-935.	0.7	17
38	A postmortem stereological study of the amygdala in Williams syndrome. Brain Structure and Function, 2018, 223, 1897-1907.	1.2	13
39	A Dual Comparative Approach: Integrating Lines of Evidence from Human Evolutionary Neuroanatomy and Neurodevelopmental Disorders. Brain, Behavior and Evolution, 2014, 84, 135-155.	0.9	11
40	Serotonergic innervation of the amygdala is increased in autism spectrum disorder and decreased in Williams syndrome. Molecular Autism, 2020, 11, 12.	2.6	11
41	Micro RNA detection in long-term fixed tissue of cortical glutamatergic pyramidal neurons after targeted laser-capture neuroanatomical microdissection. Journal of Neuroscience Methods, 2014, 235, 76-82.	1.3	10
42	Increased glia density in the caudate nucleus in williams syndrome: Implications for frontostriatal dysfunction in autism. Developmental Neurobiology, 2018, 78, 531-545.	1.5	9
43	Decreased Neuron Density and Increased Glia Density in the Ventromedial Prefrontal Cortex (Brodmann Area 25) in Williams Syndrome. Brain Sciences, 2018, 8, 209.	1.1	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. American Journal of Physical Anthropology, 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>. Interaction Studies, 2018, 19, 370-387.	0.4	7
47	Neurodevelopmental disorders of the prefrontal cortex in an evolutionary context. Progress in Brain Research, 2019, 250, 109-127.	0.9	5
48	Prefrontal cortex in humans and apes: A comparative study of area 10. , 2001, 114, 224.		5
49	Microstructural Asymmetries of the Cerebral Cortex in Humans and Other Mammals. Special Topics in Primatology, 2007, 5, 92-118.	0.3	4
50	Why do we want to talk?. Interaction Studies, 2018, 19, 102-120.	0.4	4
51	Decreased density of cholinergic interneurons in striatal territories in Williams syndrome. Brain Structure and Function, 2020, 225, 1019-1032.	1.2	3
52	Infant Brain Development and Plasticity from an Evolutionary Perspective. Evolutionary Psychology, 2022, , 39-57.	1.8	3
53	On the eve of the decade of the brain. American Journal of Primatology, 1999, 48, 161-162.	0.8	2
54	Brain in a Dish. , 2016, , 117-132.		2

#	Article	IF	Citations
55	Decreased Density of Cholinergic Interneurons in the Medial Caudate Nucleus in Humans with Williams Syndrome. FASEB Journal, 2018, 32, 781.4.	0.2	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