Stephen C Noctor

List of Publications by Year
in descending order

60 papers	8,576 citations	201385 27 h-index	143772 57 g-index
63 all docs	63 docs citations	63 times ranked	8490 citing authors

#	Article	IF	Citations
1	Cortical neurons arise in symmetric and asymmetric division zones and migrate through specific phases. Nature Neuroscience, 2004, 7, 136-144.	7.1	1,938
2	Neurons derived from radial glial cells establish radial units in neocortex. Nature, 2001, 409, 714-720.	13.7	1,752
3	Microglia Regulate the Number of Neural Precursor Cells in the Developing Cerebral Cortex. Journal of Neuroscience, 2013, 33, 4216-4233.	1.7	762
4	Patterns of neural stem and progenitor cell division may underlie evolutionary cortical expansion. Nature Reviews Neuroscience, 2006, 7, 883-890.	4.9	644
5	Dividing Precursor Cells of the Embryonic Cortical Ventricular Zone Have Morphological and Molecular Characteristics of Radial Glia. Journal of Neuroscience, 2002, 22, 3161-3173.	1.7	527
6	The Indispensable Roles of Microglia and Astrocytes during Brain Development. Frontiers in Human Neuroscience, 2016, 10, 566.	1.0	411
7	Distinct behaviors of neural stem and progenitor cells underlie cortical neurogenesis. Journal of Comparative Neurology, 2008, 508, 28-44.	0.9	344
8	The Number of Parvalbumin-Expressing Interneurons Is Decreased in the Medial Prefrontal Cortex in Autism. Cerebral Cortex, 2017, 27, bhw021.	1.6	259
9	The Role of Intermediate Progenitor Cells in the Evolutionary Expansion of the Cerebral Cortex. Cerebral Cortex, 2006, 16, i152-i161.	1.6	225
10	Comparative Analysis of the Subventricular Zone in Rat, Ferret and Macaque: Evidence for an Outer Subventricular Zone in Rodents. PLoS ONE, 2012, 7, e30178.	1.1	176
11	Neurogenic Radial Glial Cells in Reptile, Rodent and Human: from Mitosis to Migration. Cerebral Cortex, 2003, 13, 550-559.	1.6	147
12	Neural Progenitor Cell Terminology. Frontiers in Neuroanatomy, 2018, 12, 104.	0.9	119
13	Embryonic MGE Precursor Cells Grafted into Adult Rat Striatum Integrate and Ameliorate Motor Symptoms in 6-OHDA-Lesioned Rats. Cell Stem Cell, 2010, 6, 238-250.	5.2	98
14	CoREST/LSD1 Control the Development of Pyramidal Cortical Neurons. Cerebral Cortex, 2012, 22, 1431-1441.	1.6	81
15	Histogenesis of ferret somatosensory cortex. , 1997, 387, 179-193.		70
16	Dogs Have the Most Neurons, Though Not the Largest Brain: Trade-Off between Body Mass and Number of Neurons in the Cerebral Cortex of Large Carnivoran Species. Frontiers in Neuroanatomy, 2017, 11, 118.	0.9	68
17	Premutation CGG-repeat expansion of the Fmr1 gene impairs mouse neocortical development. Human Molecular Genetics, 2011, 20, 64-79.	1.4	67
18	Similar Microglial Cell Densities across Brain Structures and Mammalian Species: Implications for Brain Tissue Function. Journal of Neuroscience, 2020, 40, 4622-4643.	1.7	60

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19	The Number of Chandelier and Basket Cells Are Differentially Decreased in Prefrontal Cortex in Autism. Cerebral Cortex, 2018, 28, 411-420.	1.6	59
20	Prenatal Exposure to Autism-Specific Maternal Autoantibodies Alters Proliferation of Cortical Neural Precursor Cells, Enlarges Brain, and Increases Neuronal Size in Adult Animals. Cerebral Cortex, 2016, 26, 374-383.	1.6	51
21	White matter volume and white/gray matter ratio in mammalian species as a consequence of the universal scaling of cortical folding. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15253-15261.	3.3	45
22	Evolutionary origin of Tbr2â€expressing precursor cells and the subventricular zone in the developing cortex. Journal of Comparative Neurology, 2016, 524, 433-447.	0.9	44
23	Dysregulated iron metabolism in the choroid plexus in fragile X-associated tremor/ataxia syndrome. Brain Research, 2015, 1598, 88-96.	1.1	41
24	Cajal, Retzius, and CajalÃ¢â‚¬â€œRetzius cells. Frontiers in Neuroanatomy, 2014, 8, 48.	0.9	35
25	Cortical interlaminar astrocytes across the therian mammal radiation. Journal of Comparative Neurology, 2019, 527, 1654-1674.	0.9	35
26	Reduced excitatory amino acid transporter 1 and metabotropic glutamate receptor 5 expression in the cerebellum of fragile X mental retardation gene 1 premutation carriers with fragile X-associated tremor/ataxia syndrome. Neurobiology of Aging, 2014, 35, 1189-1197.	1.5	31
27	Cellular Basis of Pineal Gland Development: Emerging Role of Microglia as Phenotype Regulator. PLoS ONE, 2016, 11, e0167063.	1.1	31
28	Microglia: An Intrinsic Component of the Proliferative Zones in the Fetal Rhesus Monkey (Macaca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	29
29	Cortical Interlaminar Astrocytes Are Generated Prenatally, Mature Postnatally, and Express Unique Markers in Human and Nonhuman Primates. Cerebral Cortex, 2021, 31, 379-395.	1.6	29
30	Neuronal and glial cell number is altered in a cortical layer-specific manner in autism. Autism, 2021, 25, 2238-2253.	2.4	29
31	Development of local connections in ferret somatosensory cortex. , 1996, 374, 259-277.		26
32	Radial glia in the proliferative ventricular zone of the embryonic and adult turtle,Trachemys scripta elegans. Neurogenesis (Austin, Tex), 2014, 1, e970905.	1.5	25
33	Fos-like immunoreactivity in the brain of homozygous diabetes insipidus brattleboro and normal long-evans rats. Journal of Comparative Neurology, 1992, 322, 439-448.	0.9	24
34	Redefining varicose projection astrocytes in primates. Glia, 2022, 70, 145-154.	2.5	22
35	Diversity of Neural Precursor Cell Types in the Prenatal Macaque Cerebral Cortex Exists Largely within the Astroglial Cell Lineage. PLoS ONE, 2013, 8, e63848.	1.1	21
36	Microglial cell activation and senescence are characteristic of the pathology FXTAS. Movement Disorders, 2018, 33, 1887-1894.	2.2	19

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37	Periventricular microglial cells interact with dividing precursor cells in the nonhuman primate and rodent prenatal cerebral cortex. Journal of Comparative Neurology, 2019, 527, 1598-1609.	0.9	19
38	RELN-expressing neuron density in layer I of the superior temporal lobe is similar in human brains with autism and in age-matched controls. Neuroscience Letters, 2014, 579, 163-167.	1.0	18
39	Preliminary findings suggest the number and volume of supragranular and infragranular pyramidal neurons are similar in the anterior superior temporal area of control subjects and subjects with autism. Neuroscience Letters, 2015, 589, 98-103.	1.0	14
40	GABAARÎ±2 is Decreased in the Axon Initial Segment of Pyramidal Cells in Specific Areas of the Prefrontal Cortex in Autism. Neuroscience, 2020, 437, 76-86.	1.1	12
41	Chandelier Cartridge Density Is Reduced in the Prefrontal Cortex in Autism. Cerebral Cortex, 2021, 31, 2944-2951.	1.6	12
42	Development of the Neuro-Immune-Vascular Plexus in the Ventricular Zone of the Prenatal Rat Neocortex. Cerebral Cortex, 2021, 31, 2139-2155.	1.6	11
43	Decreased number and increased activation state of astrocytes in gray and white matter of the prefrontal cortex in autism. Cerebral Cortex, 2022, 32, 4902-4912.	1.6	11
44	Nonhuman Primates in Translational Research. Annual Review of Animal Biosciences, 2022, 10, 441-468.	3.6	11
45	The Bat as a New Model of Cortical Development. Cerebral Cortex, 2018, 28, 3880-3893.	1.6	10
46	Extrinsic GABAergic innervation of developing neocortical layer 1 in organotypic slice co-cultures. Journal of Comparative Neurology, 2000, 423, 112-120.	0.9	9
47	Time-Lapse Imaging of Fluorescently Labeled Live Cells in the Embryonic Mammalian Forebrain. Cold Spring Harbor Protocols, 2011, 2011, pdb.prot066605.	0.2	8
48	Abnormal white matter tracts resembling pencil fibers involving prefrontal cortex (Brodmann area) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	8
49	Fetal Rhesus Monkey First Trimester Zika Virus Infection Impacts Cortical Development in the Second and Third Trimesters. Cerebral Cortex, 2021, 31, 2309-2321.	1.6	8
50	Microglia enhances proliferation of neural progenitor cells in an model of hypoxic-ischemic injury. EXCLI Journal, 2020, 19, 950-961.	0.5	8
51	Differential response of pineal microglia to surgical versus pharmacological stimuli. Journal of Comparative Neurology, 2018, 526, 2462-2481.	0.9	6
52	Translational Utility of the Nonhuman Primate Model. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 491-497.	1.1	5
53	Histogenesis of ferret somatosensory cortex. , 1997, 387, 179.		3
54	Evolutionary origin of Tbr2â€expressing precursor cells and the subventricular zone in the developing cortex. Journal of Comparative Neurology, 2016, 524, Spc1.	0.9	2

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55	Greater Number of Microglia in Telencephalic Proliferative Zones of Human and Nonhuman Primate Compared with Other Vertebrate Species. Cerebral Cortex Communications, 2021, 2, tgab053.	0.7	2
56	Perspective authors' response: Patterns of neural stem and progenitor cell division may underlie evolutionary cortical expansion. Nature Reviews Neuroscience, 2007, 8, 989-989.	4.9	1
57	Cortical evolution 2018: Advantages of animal model species. Journal of Comparative Neurology, 2019, 527, 1766-1768.	0.9	1
58	Cover Image, Volume 527, Issue 10. Journal of Comparative Neurology, 2019, 527, C1-C1.	0.9	0
59	The fundamental building blocks of cortical development are established in human exencephaly. Pediatric Research, 2020, 87, 868-871.	1.1	0
60	Radial migration in the developing cerebral cortex. , 2020, , 323-344.		0