Zoltan Molnar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5675273/publications.pdf

Version: 2024-02-01

212 papers	15,170 citations	14655 66 h-index	22166 113 g-index

261 all docs	261 docs citations	261 times ranked	15789 citing authors

#	Article	IF	Citations
1	Satb2 Is a Postmitotic Determinant for Upper-Layer Neuron Specification in the Neocortex. Neuron, 2008, 57, 378-392.	8.1	577
2	Engaging neuroscience to advance translational research in brain barrier biology. Nature Reviews Neuroscience, 2011, 12, 169-182.	10.2	508
3	Coupled Proliferation and Apoptosis Maintain the Rapid Turnover of Microglia in the Adult Brain. Cell Reports, 2017, 18, 391-405.	6.4	503
4	Genetic ablation of the t-SNARE SNAP-25 distinguishes mechanisms of neuroexocytosis. Nature Neuroscience, 2002, 5, 19-26.	14.8	464
5	Thalamocortical development: how are we going to get there?. Nature Reviews Neuroscience, 2003, 4, 276-289.	10.2	415
6	Mutations in Î±-Tubulin Cause Abnormal Neuronal Migration in Mice and Lissencephaly in Humans. Cell, 2007, 128, 45-57.	28.9	397
7	A comprehensive transcriptional map of primate brain development. Nature, 2016, 535, 367-375.	27.8	341
8	How do thalamic axons find their way to the cortex?. Trends in Neurosciences, 1995, 18, 389-397.	8.6	326
9	Mechanisms Underlying the Early Establishment of Thalamocortical Connections in the Rat. Journal of Neuroscience, 1998, 18, 5723-5745.	3.6	290
10	The T-box transcription factor Eomes/Tbr2 regulates neurogenesis in the cortical subventricular zone. Genes and Development, 2008, 22, 2479-2484.	5.9	289
11	Preferential Origin and Layer Destination of GAD65-GFP Cortical Interneurons. Cerebral Cortex, 2004, 14, 1122-1133.	2.9	266
12	A Transcriptomic Atlas of Mouse Neocortical Layers. Neuron, 2011, 71, 605-616.	8.1	266
13	Towards the classification of subpopulations of layer V pyramidal projection neurons. Neuroscience Research, 2006, 55, 105-115.	1.9	254
14	Comparative aspects of cerebral cortical development. European Journal of Neuroscience, 2006, 23, 921-934.	2.6	237
15	Neonatal Hypoxia Ischaemia: Mechanisms, Models, and Therapeutic Challenges. Frontiers in Cellular Neuroscience, 2017, 11, 78.	3.7	228
16	New insights into the development of the human cerebral cortex. Journal of Anatomy, 2019, 235, 432-451.	1.5	224
17	Long noncoding RNA genes: conservation of sequence and brain expression among diverse amniotes. Genome Biology, 2010, 11, R72.	9.6	215
18	Development, evolution and pathology of neocortical subplate neurons. Nature Reviews Neuroscience, 2015, 16, 133-146.	10.2	214

#	Article	IF	Citations
19	Lack of regional specificity for connections formed between thalamus and cortex in coculture. Nature, 1991, 351, 475-477.	27.8	209
20	Specificity of activation by phosphoinositides determines lipid regulation of Kir channels. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 745-750.	7.1	206
21	The development of cortical connections. European Journal of Neuroscience, 2006, 23, 910-920.	2.6	187
22	Transient cortical circuits match spontaneous and sensory-driven activity during development. Science, 2020, 370, .	12.6	168
23	The first neurons of the human cerebral cortex. Nature Neuroscience, 2006, 9, 880-886.	14.8	155
24	Mutation of the Variant Î±-Tubulin TUBA8 Results in Polymicrogyria with Optic Nerve Hypoplasia. American Journal of Human Genetics, 2009, 85, 737-744.	6.2	151
25	The Role of the First Postmitotic Cortical Cells in the Development of Thalamocortical Innervation in theReelerMouse. Journal of Neuroscience, 1998, 18, 5746-5765.	3.6	147
26	Novel Markers Reveal Subpopulations of Subplate Neurons in the Murine Cerebral Cortex. Cerebral Cortex, 2009, 19, 1738-1750.	2.9	145
27	Cortical and Clonal Contribution of Tbr2 Expressing Progenitors in the Developing Mouse Brain. Cerebral Cortex, 2015, 25, 3290-3302.	2.9	144
28	Compartmentalization of Cerebral Cortical Germinal Zones in a Lissencephalic Primate and Gyrencephalic Rodent. Cerebral Cortex, 2012, 22, 482-492.	2.9	138
29	Molecular Diversity of Early-Born Subplate Neurons. Cerebral Cortex, 2013, 23, 1473-1483.	2.9	133
30	Comparative aspects of cortical neurogenesis in vertebrates. Journal of Anatomy, 2007, 211, 164-176.	1.5	128
31	Molecular mechanisms of cortical differentiation. European Journal of Neuroscience, 2006, 23, 857-868.	2.6	124
32	A Transient Translaminar GABAergic Interneuron Circuit Connects Thalamocortical Recipient Layers in Neonatal Somatosensory Cortex. Neuron, 2016, 89, 536-549.	8.1	124
33	Subset of Cortical Layer 6b Neurons Selectively Innervates Higher Order Thalamic Nuclei in Mice. Cerebral Cortex, 2018, 28, 1882-1897.	2.9	123
34	Blockade of GABAB Receptors Alters the Tangential Migration of Cortical Neurons. Cerebral Cortex, 2003, 13, 932-942.	2.9	122
35	Ischemia-Induced Neural Stem/Progenitor Cells in the Pia Mater Following Cortical Infarction. Stem Cells and Development, 2011, 20, 2037-2051.	2.1	122
36	Neurovascular Congruence during Cerebral Cortical Development. Cerebral Cortex, 2009, 19, i32-i41.	2.9	120

#	Article	IF	Citations
37	Renewed focus on the developing human neocortex. Journal of Anatomy, 2010, 217, 276-288.	1.5	120
38	Characterization of nodular neuronal heterotopia in children. Brain, 1999, 122, 219-238.	7.6	119
39	Mechanisms controlling the guidance of thalamocortical axons through the embryonic forebrain. European Journal of Neuroscience, 2012, 35, 1573-1585.	2.6	112
40	A dominant mutation in Snap25 causes impaired vesicle trafficking, sensorimotor gating, and ataxia in the blind-drunk mouse. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2431-2436.	7.1	109
41	ASPP2 Binds Par-3 and Controls the Polarity and Proliferation of Neural Progenitors during CNS Development. Developmental Cell, 2010, 19, 126-137.	7.0	109
42	Expression profiling of mouse subplate reveals a dynamic gene network and disease association with autism and schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3555-3560.	7.1	108
43	Cerebral cortical development in rodents and primates. Progress in Brain Research, 2012, 195, 45-70.	1.4	107
44	Er81 is expressed in a subpopulation of layer 5 neurons in rodent and primate neocortices. Neuroscience, 2006, 137, 401-412.	2.3	101
45	The Subventricular Zone Is the Developmental Milestone of a 6-Layered Neocortex: Comparisons in Metatherian and Eutherian Mammals. Cerebral Cortex, 2010, 20, 1071-1081.	2.9	101
46	Selective Cortical Layering Abnormalities and Behavioral Deficits in Cortex-Specific Pax6 Knock-Out Mice. Journal of Neuroscience, 2009, 29, 8335-8349.	3.6	100
47	Development of the Corticothalamic Projections. Frontiers in Neuroscience, 2012, 6, 53.	2.8	97
48	Factors Involved in the Establishment of Specific Interconnections between Thalamus and Cerebral Cortex. Cold Spring Harbor Symposia on Quantitative Biology, 1990, 55, 491-504.	1.1	91
49	Development and evolution of the collopallium in amniotes: a new hypothesis of field homology. Brain Research Bulletin, 2002, 57, 475-479.	3.0	86
50	A hydroelastic model of hydrocephalus. Journal of Fluid Mechanics, 2005, 539, 417.	3.4	86
51	Transcriptomic Perspectives on Neocortical Structure, Development, Evolution, and Disease. Annual Review of Neuroscience, 2017, 40, 629-652.	10.7	85
52	The corticostriatal junction: A crucial region for forebrain development and evolution. BioEssays, 2002, 24, 530-541.	2.5	84
53	Selective Neurofilament (SMI-32, FNP-7 and N200) Expression in Subpopulations of Layer V Pyramidal Neurons In Vivo and In Vitro. Cerebral Cortex, 2004, 14, 1276-1286.	2.9	84
54	Conserved pattern of tangential neuronal migration during forebrain development. Development (Cambridge), 2007, 134, 2815-2827.	2.5	84

#	Article	IF	Citations
55	Prenatal development of neural excitation in rat thalamocortical projections studied by optical recording. Neuroscience, 2002, 115, 1231-1246.	2.3	83
56	Gene Expression Analysis of the Embryonic Subplate. Cerebral Cortex, 2012, 22, 1343-1359.	2.9	83
57	Connections between cells of the internal capsule, thalamus, and cerebral cortex in embryonic rat. , 1999, 413, 1-25.		81
58	Dynamic integration of subplate neurons into the cortical barrel field circuitry during postnatal development in the Golliâ€tauâ€eGFP (GTE) mouse. Journal of Physiology, 2009, 587, 1903-1915.	2.9	79
59	Two Populations of Layer V Pyramidal Cells of the Mouse Neocortex: Development and Sensitivity to Anesthetics. Journal of Neurophysiology, 2005, 94, 3357-3367.	1.8	78
60	Subplate in the developing cortex of mouse and human. Journal of Anatomy, 2010, 217, 368-380.	1.5	78
61	Adult pallium transcriptomes surprise in not reflecting predicted homologies across diverse chicken and mouse pallial sectors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13150-13155.	7.1	77
62	Comparative Aspects of Subplate Zone Studied with Gene Expression in Sauropsids and Mammals. Cerebral Cortex, 2011, 21, 2187-2203.	2.9	75
63	Normal Development of Embryonic Thalamocortical Connectivity in the Absence of Evoked Synaptic Activity. Journal of Neuroscience, 2002, 22, 10313-10323.	3.6	74
64	Conditional Knock-Out of Vesicular GABA Transporter Gene from Starburst Amacrine Cells Reveals the Contributions of Multiple Synaptic Mechanisms Underlying Direction Selectivity in the Retina. Journal of Neuroscience, 2015, 35, 13219-13232.	3.6	74
65	MEF2 transcription factors are key regulators of sprouting angiogenesis. Genes and Development, 2016, 30, 2297-2309.	5.9	73
66	A role for the cortex in sleepâ€“wake regulation. Nature Neuroscience, 2021, 24, 1210-1215.	14.8	73
67	Thomas Willis (1621â€“1675), the founder of clinical neuroscience. Nature Reviews Neuroscience, 2004, 5, 329-335.	10.2	71
68	Activity-dependent Regulation of Synapse and Dendritic Spine Morphology in Developing Barrel Cortex Requires Phospholipase C-Â1 Signalling. Cerebral Cortex, 2005, 15, 385-393.	2.9	71
69	Dopamine stimulation of postnatal murine subventricular zone neurogenesis via the D3 receptor. Journal of Neurochemistry, 2010, 114, 750-760.	3.9	71
70	Role of Emx2 in the development of the reciprocal connectivity between cortex and thalamus. Journal of Comparative Neurology, 2002, 451, 153-169.	1.6	69
71	Choreography of Early Thalamocortical Development. Cerebral Cortex, 2003, 13, 661-669.	2.9	69
72	Development of Signals Influencing the Growth and Termination of Thalamocortical Axons in Organotypic Culture. Experimental Neurology, 1999, 156, 363-393.	4.1	68

#	Article	IF	Citations
73	Extracortical origin of some murine subplate cell populations. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8613-8618.	7.1	68
74	The Regulation of Corticofugal Fiber Targeting by Retinal Inputs. Cerebral Cortex, 2016, 26, 1336-1348.	2.9	68
75	Pax6 is required for the normal development of the forebrain axonal connections. Development (Cambridge), 2002, 129, 5041-52.	2.5	68
76	Evolution of Cerebral Cortical Development. Brain, Behavior and Evolution, 2011, 78, 94-107.	1.7	66
77	Specificity and Plasticity of Thalamocortical Connections in Sema6A Mutant Mice. PLoS Biology, 2009, 7, e1000098.	5.6	65
78	Development of functional thalamocortical synapses studied with current source-density analysis in whole forebrain slices in the rat. Brain Research Bulletin, 2003, 60, 355-371.	3.0	64
79	Evolution and Development of the Mammalian Cerebral Cortex. Brain, Behavior and Evolution, 2014, 83, 126-139.	1.7	64
80	CLoNe is a new method to target single progenitors and study their progeny in mouse and chick. Development (Cambridge), 2014, 141, 1589-1598.	2.5	63
81	Reduced ventricular proliferation in the foetal cortex following maternal inflammation in the mouse. Brain, 2011, 134, 3236-3248.	7.6	62
82	From sauropsids to mammals and back: New approaches to comparative cortical development. Journal of Comparative Neurology, 2016, 524, 630-645.	1.6	62
83	Hypothesis on the Dual Origin of the Mammalian Subplate. Frontiers in Neuroanatomy, 2011, 5, 25.	1.7	60
84	Evolution of cortical neurogenesis. Brain Research Bulletin, 2008, 75, 398-404.	3.0	59
85	Functional Thalamocortical Synapse Reorganization from Subplate to Layer IV during Postnatal Development in the Reeler-Like Mutant Rat (Shaking Rat Kawasaki). Journal of Neuroscience, 2005, 25, 1395-1406.	3.6	58
86	Formation of Cortical Fields on a Reduced Cortical Sheet. Journal of Neuroscience, 1999, 19, 9939-9952.	3.6	57
87	Apparent Absence of Claustrum in Monotremes: Implications for Forebrain Evolution in Amniotes. Brain, Behavior and Evolution, 2002, 60, 230-240.	1.7	57
88	Cortical Overgrowth in Fetuses With Isolated Ventriculomegaly. Cerebral Cortex, 2014, 24, 2141-2150.	2.9	56
89	Transient Hypoxemia Chronically Disrupts Maturation of Preterm Fetal Ovine Subplate Neuron Arborization and Activity. Journal of Neuroscience, 2017, 37, 11912-11929.	3.6	55
90	Congenital Zika syndrome is associated with maternal protein malnutrition. Science Advances, 2020, 6, eaaw6284.	10.3	55

#	Article	IF	Citations
91	Morphology of mouse subplate cells with identified projection targets changes with age. Journal of Comparative Neurology, 2012, 520, 174-185.	1.6	53
92	Development of thalamocortical projections in the South American gray short-tailed opossum (Monodelphis domestica). , 1998, 398, 491-514.		51
93	Altered Molecular Regionalization and Normal Thalamocortical Connections in Cortex-SpecificPax6Knock-Out Mice. Journal of Neuroscience, 2008, 28, 8724-8734.	3.6	51
94	In search of common developmental and evolutionary origin of the claustrum and subplate. Journal of Comparative Neurology, 2020, 528, 2956-2977.	1.6	51
95	High quality RNA from multiple brain regions simultaneously acquired by laser capture microdissection. BMC Molecular Biology, 2009, 10, 69.	3.0	50
96	The Long and the Short of it: Gene and Environment Interactions During Early Cortical Development and Consequences for Long-Term Neurological Disease. Frontiers in Psychiatry, 2012, 3, 50.	2.6	50
97	Sip1 Downstream Effector ninein Controls Neocortical Axonal Growth, Ipsilateral Branching, and Microtubule Growth and Stability. Neuron, 2015, 85, 998-1012.	8.1	50
98	Zika virus impairs the development of blood vessels in a mouse model of congenital infection. Scientific Reports, 2018, 8, 12774.	3.3	49
99	The neuronal migration hypothesis of dyslexia: A critical evaluation 30Âyears on. European Journal of Neuroscience, 2018, 48, 3212-3233.	2.6	48
100	Embryonic development of connections in Turtle Pallium. Journal of Comparative Neurology, 1999, 413, 26-54.	1.6	47
101	Leptomeningeal-Derived Doublecortin-Expressing Cells in Poststroke Brain. Stem Cells and Development, 2012, 21, 2350-2354.	2.1	47
102	Memo1-Mediated Tiling of Radial Glial Cells Facilitates Cerebral Cortical Development. Neuron, 2019, 103, 836-852.e5.	8.1	46
103	Comparative analysis of extra-ventricular mitoses at early stages of cortical development in rat and human. Brain Structure and Function, 2007, 212, 37-54.	2.3	44
104	Dicer is required for neural stem cell multipotency and lineage progression during cerebral cortex development. Neural Development, 2013, 8, 14.	2.4	42
105	Subset of early radial glial progenitors that contribute to the development of callosal neurons is absent from avian brain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5058-67.	7.1	40
106	Absence of Tangentially Migrating Glutamatergic Neurons in the Developing Avian Brain. Cell Reports, 2018, 22, 96-109.	6.4	40
107	Neurogenic niches in the brain: help and hindrance of the barrier systems. Frontiers in Neuroscience, 2015, 9, 20.	2.8	37
108	Cell-Specific Loss of SNAP25 from Cortical Projection Neurons Allows Normal Development but Causes Subsequent Neurodegeneration. Cerebral Cortex, 2019, 29, 2148-2159.	2.9	37

#	Article	IF	Citations
109	Tangential Networks of Precocious Neurons and Early Axonal Outgrowth in the Embryonic Human Forebrain. Journal of Neuroscience, 2005, 25, 2781-2792.	3.6	36
110	Severe nemaline myopathy caused by mutations of the stop codon of the skeletal muscle alpha actin gene (ACTA1). Neuromuscular Disorders, 2006, 16, 541-547.	0.6	35
111	Intermediate Progenitors Facilitate Intracortical Progression of Thalamocortical Axons and Interneurons through CXCL12 Chemokine Signaling. Journal of Neuroscience, 2015, 35, 13053-13063.	3.6	35
112	Variations of telencephalic development that paved the way for neocortical evolution. Progress in Neurobiology, 2020, 194, 101865.	5.7	35
113	Organization of visual cortex in the northern quoll, Dasyurus hallucatus: evidence for a homologue of the second visual area in marsupials. European Journal of Neuroscience, 1999, 11, 907-915.	2.6	32
114	Role of p35/Cdk5 in Preplate Splitting in the Developing Cerebral Cortex. Cerebral Cortex, 2006, 16, i35-i45.	2.9	31
115	Proliferation but Not Migration Is Associated with Blood Vessels during Development of the Rostral Migratory Stream. Developmental Neuroscience, 2010, 32, 163-172.	2.0	31
116	The impact of gene expression analysis on evolving views of avian brain organization. Journal of Comparative Neurology, 2013, 521, 3604-3613.	1.6	31
117	Chapter 3 Neuronal changes during forebrain evolution in amniotes: an evolutionary developmental perspective. Progress in Brain Research, 2002, 136, 21-38.	1.4	30
118	Insights into the life and work of Sir Charles Sherrington. Nature Reviews Neuroscience, 2010, 11, 429-436.	10.2	30
119	Examining the relationship between early axon growth and transcription factor expression in the developing cerebral cortex. Journal of Anatomy, 2012, 220, 201-211.	1.5	30
120	Disruption ofVisc-2, a Brain-Expressed Conserved Long Noncoding RNA, Does Not Elicit an Overt Anatomical or Behavioral Phenotype. Cerebral Cortex, 2015, 25, 3572-3585.	2.9	30
121	Progressive Neuronal and Motor Dysfunction in Mice Overexpressing the Serine Protease Inhibitor Protease Nexin-1 in Postmitotic Neurons. Journal of Neuroscience, 2001, 21, 8830-8841.	3.6	29
122	STAT1-induced ASPP2 transcription identifies a link between neuroinflammation, cell polarity, and tumor suppression. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9834-9839.	7.1	29
123	The Dyslexia-susceptibility Protein KIAA0319 Inhibits Axon Growth Through Smad2 Signaling. Cerebral Cortex, 2017, 27, 1732-1747.	2.9	29
124	Visual subdivisions of the dorsal ventricular ridge of the iguana (Iguana iguana) as determined by electrophysiologic mapping. Journal of Comparative Neurology, 2002, 453, 226-246.	1.6	28
125	Secretory function in subplate neurons during cortical development. Frontiers in Neuroscience, 2015, 9, 100.	2.8	28
126	A missense mutation in Katnal1 underlies behavioural, neurological and ciliary anomalies. Molecular Psychiatry, 2018, 23, 713-722.	7.9	28

#	Article	IF	Citations
127	Neuroserpin expression during human brain development and in adult brain revealed by immunohistochemistry and single cell <scp>RNA</scp> sequencing. Journal of Anatomy, 2019, 235, 543-554.	1.5	28
128	Brain Maturation After Preterm Birth. Science Translational Medicine, 2013, 5, 168ps2.	12.4	26
129	Pentapeptides derived from AÎ²1â€“42 protect neurons from the modulatory effect of AÎ² fibrilsâ€”an in vitro and in vivo electrophysiological study. Neurobiology of Disease, 2005, 18, 499-508.	4.4	25
130	Mathematical Modeling of Cortical Neurogenesis Reveals that the Founder Population does not Necessarily Scale with Neurogenic Output. Cerebral Cortex, 2018, 28, 2540-2550.	2.9	25
131	Laf4/Aff3, a Gene Involved in Intellectual Disability, Is Required for Cellular Migration in the Mouse Cerebral Cortex. PLoS ONE, 2014, 9, e105933.	2.5	25
132	A tubulin alpha 8 mouse knockout model indicates a likely role in spermatogenesis but not in brain development. PLoS ONE, 2017, 12, e0174264.	2.5	23
133	Development and Evolution of Thalamocortical Interactions. European Journal of Morphology, 2000, 38, 313-320.	0.8	23
134	A pHâ€sensitive chloride current in the chemoreceptor cell of rat carotid body. Journal of Physiology, 2001, 535, 95-106.	2.9	22
135	Practical neuroanatomy teaching in the 21st century. Annals of Neurology, 2015, 77, 911-916.	5.3	22
136	Subplate in a rat model of preterm hypoxia-ischemia. Annals of Clinical and Translational Neurology, 2014, 1, 679-691.	3.7	21
137	Development of Thalamocortical Projections in Normal and Mutant Mice. Results and Problems in Cell Differentiation, 2000, 30, 293-332.	0.7	21
138	Longâ€range projections from sparse populations of GABAergic neurons in murine subplate. Journal of Comparative Neurology, 2019, 527, 1610-1620.	1.6	20
139	Block Face Scanning Electron Microscopy of Fluorescently Labeled Axons Without Using Near Infra-Red Branding. Frontiers in Neuroanatomy, 2018, 12, 88.	1.7	19
140	Hanging by the tail: progenitor populations proliferate. Nature Neuroscience, 2011, 14, 538-540.	14.8	18
141	Cadherin2/4-signaling via PTP1B and catenins is critical for nucleokinesis during radial neuronal migration in the neocortex. Development (Cambridge), 2016, 143, 2121-34.	2.5	18
142	Knockout Mice for Dyslexia Susceptibility Gene Homologs KIAA0319 and KIAA0319L have Unaffected Neuronal Migration but Display Abnormal Auditory Processing. Cerebral Cortex, 2017, 27, 5831-5845.	2.9	18
143	Differential effect on myelination through abolition of activityâ€dependent synaptic vesicle release or reduction of overall electrical activity of selected cortical projections in the mouse. Journal of Anatomy, 2019, 235, 452-467.	1.5	17
144	Development of thalamocortical projections in the South American gray short-tailed opossum (Monodelphis domestica). Journal of Comparative Neurology, 1998, 398, 491-514.	1.6	17

#	Article	IF	Citations
145	Thalamocortical maturation in mice is influenced by body weight. Journal of Comparative Neurology, 2008, 511, 415-420.	1.6	16
146	Normal radial migration and lamination are maintained in dyslexia-susceptibility candidate gene homolog Kiaa0319 knockout mice. Brain Structure and Function, 2017, 222, 1367-1384.	2.3	16
147	Precise Somatotopic Thalamocortical Axon Guidance Depends on LPA-Mediated PRG-2/Radixin Signaling. Neuron, 2016, 92, 126-142.	8.1	15
148	Cortical layer with no known function. European Journal of Neuroscience, 2019, 49, 957-963.	2.6	15
149	Dynamic pattern of mRNA expression of plasticity-related gene-3 (PRG-3) in the mouse cerebral cortex during development. Brain Research Bulletin, 2005, 66, 454-460.	3.0	14
150	Building Bridges to the Cortex. Cell, 2006, 125, 24-27.	28.9	14
151	Best-laid schemes for interneuron origin of mice and men. Nature Neuroscience, 2013, 16, 1512-1514.	14.8	14
152	Tract-Tracing in Developing Systems and in Postmortem Human Material Using Carbocyanine Dyes. , 2006, , 366-393.		13
153	Risks of Zika virus during the first trimester of pregnancy. Nature Reviews Neurology, 2016, 12, 315-316.	10.1	13
154	AU040320 deficiency leads to disruption of acrosome biogenesis and infertility in homozygous mutant mice. Scientific Reports, 2018, 8, 10379.	3.3	13
155	The potential contribution of impaired brain glucose metabolism to congenital Zika syndrome. Journal of Anatomy, 2019, 235, 468-480.	1.5	13
156	Early brain activity: Translations between bedside and laboratory. Progress in Neurobiology, 2022, 213, 102268.	5.7	13
157	Effects of osmotic changes on the chemoreceptor cell of rat carotid body. Journal of Physiology, 2003, 546, 471-481.	2.9	12
158	Hyponatraemic seizures resulting from inadequate post-operative fluid intake following a single dose of desmopressin. Nephrology Dialysis Transplantation, 2005, 20, 2265-2267.	0.7	12
159	Cortical Columns. , 2013, , 109-129.		12
160	The distribution, number, and certain neurochemical identities of infracortical white matter neurons in a lar gibbon (Hylobates lar) brain. Journal of Comparative Neurology, 2019, 527, 1633-1653.	1.6	12
161	Termination and initial branch formation of SNAPâ€25â€deficient thalamocortical fibres in heterochronic organotypic coâ€cultures. European Journal of Neuroscience, 2012, 35, 1586-1594.	2.6	11
162	Dbx1-Derived Pyramidal Neurons Are Generated Locally in the Developing Murine Neocortex. Frontiers in Neuroscience, 2018, 12, 792.	2.8	11

#	Article	IF	Citations
163	Non-canonical role for Lpar1-EGFP subplate neurons in early postnatal mouse somatosensory cortex. ELife, 2021, 10, .	6.0	11
164	Guidance of Thalamocortical Innervation. Novartis Foundation Symposium, 1995, 193, 127-149.	1.1	11
165	The Origin of Neocortex: Lessons from Comparative Embryology. , 2007, , 13-26.		10
166	Loss of Dmrt5 Affects the Formation of the Subplate and Early Corticogenesis. Cerebral Cortex, 2020, 30, 3296-3312.	2.9	10
167	Cortical columns. , 2020, , 103-126.		10
168	Maturation of Complex Synaptic Connections of Layer 5 Cortical Axons in the Posterior Thalamic Nucleus Requires SNAP25. Cerebral Cortex, 2021, 31, 2625-2638.	2.9	9
169	Crossâ€hierarchical plasticity of corticofugal projections to dLGN after neonatal monocular enucleation. Journal of Comparative Neurology, 2022, 530, 978-997.	1.6	9
170	Enhanced G-protein activation by a mixture of Abeta(25-35), Abeta(1-40/42) and zinc. Journal of Neurochemistry, 2004, 89, 1215-1223.	3.9	8
171	Sperm concentration, hyaluronic acid-binding capacity, aneuploidy and persistent histones in testicular cancer. Human Reproduction, 2014, 29, 1866-1874.	0.9	8
172	Regional scattering of primate subplate. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9676-9678.	7.1	8
173	Update on forebrain evolution: From neurogenesis to thermogenesis. Seminars in Cell and Developmental Biology, 2018, 76, 15-22.	5.0	8
174	Calcium and NeuroD2 Control the Development of Thalamocortical Communication. Neuron, 2006, 49, 639-642.	8.1	6
175	Conserved Developmental Algorithms During Thalamocortical Circuit Formation in Mammals and Reptiles. Novartis Foundation Symposium, 2008, 228, 148-172.	1.1	6
176	Transcriptional Profiling of Layers of the Primate Cerebral Cortex. Neuron, 2012, 73, 1053-1055.	8.1	6
177	A mathematical insight into cell labelling experiments for clonal analysis. Journal of Anatomy, 2019, 235, 687-696.	1.5	6
178	Genes Involved in the Formation of the Earliest Cortical Circuits. Novartis Foundation Symposium, 0, , 212-229.	1.1	6
179	Development and evolution of thalamocortical interactions. European Journal of Morphology, 2000, 38, 313-20.	0.8	6
180	Molecular pathomechanisms of Alzheimer's disease. Computational and Theoretical Chemistry, 2003, 666-667, 507-513.	1.5	5

#	Article	IF	Citations
181	Neuroscience without borders: Preserving the history of neuroscience. European Journal of Neuroscience, 2018, 48, 2099-2109.	2.6	5
182	Cajal's Interactions with Sherrington and the Croonian Lecture. Anatomical Record, 2020, 303, 1181-1188.	1.4	5
183	On the 400th anniversary of the birth of Thomas Willis. Brain, 2021, 144, 1033-1037.	7.6	5
184	The need for research on human brain development. Brain, 2011, 134, 2177-2185.	7.6	4
185	Brain Development. , 2016, , 239-252.		4
186	The impact of different modes of neuronal migration on brain evolution. , 2020, , 555-576.		4
187	Genes involved in the formation of the earliest cortical circuits. Novartis Foundation Symposium, 2007, 288, 212-24; discussion 224-9, 276-81.	1.1	4
188	The role of snare proteins in cortical development. Developmental Neurobiology, 0, , .	3.0	4
189	Restricted expression of Slap-1 in the rodent cerebral cortex. Gene Expression Patterns, 2003, 3, 437-440.	0.8	3
190	Distribution, number, and certain neurochemical identities of infracortical white matter neurons in the brains of three megachiropteran bat species. Journal of Comparative Neurology, 2020, 528, 3023-3038.	1.6	3
191	The distribution, number, and certain neurochemical identities of infracortical white matter neurons in a chimpanzee (<scp>Pan troglodytes</scp>) brain. Journal of Comparative Neurology, 2021, 529, 3429-3452.	1.6	3
192	In Utero Electroporation Methods in the Study of Cerebral Cortical Development. Neuromethods, 2016, , 21-39.	0.3	3
193	Embryonic development of connections in turtle pallium. Journal of Comparative Neurology, 1999, 413, 26-54.	1.6	3
194	Single Nucleotide Polymorphism: Is It Only Genetic Palmistry?. Transplantation, 2007, 84, 954-955.	1.0	2
195	The 100th Anniversary of the Russian Pavlov Physiological Society. Physiology, 2017, 32, 402-407.	3.1	2
196	Rapid auditory processing and medial geniculate nucleus anomalies in Kiaa0319 knockout mice. Genes, Brain and Behavior, 2022, 21, e12808.	2.2	2
197	Foreword to reviews on molecular and cellular basis of cortical development (CONCORDE). European Journal of Neuroscience, 2006, 23, 845-846.	2.6	1
198	Shining a spotlight on headaches. Nature Neuroscience, 2010, 13, 150-151.	14.8	1

#	Article	IF	Citations
199	Cerebral cross-perfusion and the Circle of Willis: does physiology trump anatomy?. Journal of Vascular Diagnostics and Interventions, 0, Volume 5, 35-40.	0.0	1
200	Anatomy transformed. Journal of Anatomy, 2019, 234, 577-582.	1.5	1
201	The distribution, number, and certain neurochemical identities of infracortical white matter neurons in the brains of a southern lesser galago, a blackâ€capped squirrel monkey, and a crested macaque. Journal of Comparative Neurology, 2021, 529, 3676-3708.	1.6	1
202	Embryonic development of connections in Turtle Pallium. , 0, .		1
203	The Earliest Thalamocortical Interactions. , 2006, , 54-78.		1
204	Introduction to the Proceedings of the Fourth European Conference on Comparative Neurobiology: Evolution and Development of Nervous Systems. Brain Research Bulletin, 2005, 66, 269.	3.0	0
205	2074v Alpha1-Beta1 and Alpha6-Beta1-Integrin. , 2008, , 1-1.		0
206	Introduction to the Proceedings of the Fifth European Conference on Comparative Neurobiology: Evolution and the generation of novelties in the nervous system. Brain Research Bulletin, 2008, 75, 189-190.	3.0	0
207	Development of the human neocortex. Journal of Anatomy, 2010, 217, 275-275.	1.5	0
208	Automatic Detection Of Seizure Activity From EEG Recordings Of Genetic Rat Model Of Absence Epilepsy. , 2021, , .		0
209	Phonocardiography in Preterm Newborns with Patent Ductus Arteriosus. Mechatronic Systems and Control, 2010, 7, .	0.2	0
210	Subplate and the Formation of the Earliest Cerebral Cortical Circuits. , 2010, , 19-31.		0
211	ZoltÃ¡n MolnÃ¡r: the developing brain. , 2022, , 1-66.		0
212	All manner of ingenuity and industry. Brain, 0, , .	7.6	0