Zoltan Molnar

List of Publications by Year
in descending order

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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	ZoltÃ¡n MolnÃ¡r: the developing brain. , 2022, , 1-66.		0
2	Crossâ€hierarchical plasticity of corticofugal projections to dLGN after neonatal monocular enucleation. Journal of Comparative Neurology, 2022, 530, 978-997.	1.6	9
3	Early brain activity: Translations between bedside and laboratory. Progress in Neurobiology, 2022, 213, 102268.	5.7	13
4	Rapid auditory processing and medial geniculate nucleus anomalies in Kiaa0319 knockout mice. Genes, Brain and Behavior, 2022, 21, e12808.	2.2	2
5	On the 400th anniversary of the birth of Thomas Willis. Brain, 2021, 144, 1033-1037.	7.6	5
6	Automatic Detection Of Seizure Activity From EEG Recordings Of Genetic Rat Model Of Absence Epilepsy. , 2021, , .		0
7	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
8	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
9	Non-canonical role for Lpar1-EGFP subplate neurons in early postnatal mouse somatosensory cortex. ELife, 2021, 10, .	6.0	11
10	A role for the cortex in sleepâ€“wake regulation. Nature Neuroscience, 2021, 24, 1210-1215.	14.8	73
11	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
12	Cajal's Interactions with Sherrington and the Croonian Lecture. Anatomical Record, 2020, 303, 1181-1188.	1.4	5
13	Congenital Zika syndrome is associated with maternal protein malnutrition. Science Advances, 2020, 6, eaaw6284.	10.3	55
14	Loss of Dmrt5 Affects the Formation of the Subplate and Early Corticogenesis. Cerebral Cortex, 2020, 30, 3296-3312.	2.9	10
15	Transient cortical circuits match spontaneous and sensory-driven activity during development. Science, 2020, 370, .	12.6	168
16	Variations of telencephalic development that paved the way for neocortical evolution. Progress in Neurobiology, 2020, 194, 101865.	5.7	35
17	The impact of different modes of neuronal migration on brain evolution. , 2020, , 555-576.		4
18	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

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19	In search of common developmental and evolutionary origin of the claustrum and subplate. Journal of Comparative Neurology, 2020, 528, 2956-2977.	1.6	51
20	Cortical columns. , 2020, , 103-126.		10
21	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
22	Cortical layer with no known function. European Journal of Neuroscience, 2019, 49, 957-963.	2.6	15
23	New insights into the development of the human cerebral cortex. Journal of Anatomy, 2019, 235, 432-451.	1.5	224
24	A mathematical insight into cell labelling experiments for clonal analysis. Journal of Anatomy, 2019, 235, 687-696.	1.5	6
25	Memo1-Mediated Tiling of Radial Glial Cells Facilitates Cerebral Cortical Development. Neuron, 2019, 103, 836-852.e5.	8.1	46
26	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
27	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
28	Anatomy transformed. Journal of Anatomy, 2019, 234, 577-582.	1.5	1
29	The potential contribution of impaired brain glucose metabolism to congenital Zika syndrome. Journal of Anatomy, 2019, 235, 468-480.	1.5	13
30	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
31	Longâ€range projections from sparse populations of GABAergic neurons in murine subplate. Journal of Comparative Neurology, 2019, 527, 1610-1620.	1.6	20
32	Absence of Tangentially Migrating Glutamatergic Neurons in the Developing Avian Brain. Cell Reports, 2018, 22, 96-109.	6.4	40
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	A missense mutation in Katnal1 underlies behavioural, neurological and ciliary anomalies. Molecular Psychiatry, 2018, 23, 713-722.	7.9	28
35	Update on forebrain evolution: From neurogenesis to thermogenesis. Seminars in Cell and Developmental Biology, 2018, 76, 15-22.	5.0	8
36	Block Face Scanning Electron Microscopy of Fluorescently Labeled Axons Without Using Near Infra-Red Branding. Frontiers in Neuroanatomy, 2018, 12, 88.	1.7	19

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37	Dbx1-Derived Pyramidal Neurons Are Generated Locally in the Developing Murine Neocortex. Frontiers in Neuroscience, 2018, 12, 792.	2.8	11
38	The neuronal migration hypothesis of dyslexia: A critical evaluation 30Âyears on. European Journal of Neuroscience, 2018, 48, 3212-3233.	2.6	48
39	AU040320 deficiency leads to disruption of acrosome biogenesis and infertility in homozygous mutant mice. Scientific Reports, 2018, 8, 10379.	3.3	13
40	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
41	Zika virus impairs the development of blood vessels in a mouse model of congenital infection. Scientific Reports, 2018, 8, 12774.	3.3	49
42	Neuroscience without borders: Preserving the history of neuroscience. European Journal of Neuroscience, 2018, 48, 2099-2109.	2.6	5
43	Coupled Proliferation and Apoptosis Maintain the Rapid Turnover of Microglia in the Adult Brain. Cell Reports, 2017, 18, 391-405.	6.4	503
44	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
45	The 100th Anniversary of the Russian Pavlov Physiological Society. Physiology, 2017, 32, 402-407.	3.1	2
46	Transient Hypoxemia Chronically Disrupts Maturation of Preterm Fetal Ovine Subplate Neuron Arborization and Activity. Journal of Neuroscience, 2017, 37, 11912-11929.	3.6	55
47	Transcriptomic Perspectives on Neocortical Structure, Development, Evolution, and Disease. Annual Review of Neuroscience, 2017, 40, 629-652.	10.7	85
48	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
49	The Dyslexia-susceptibility Protein KIAA0319 Inhibits Axon Growth Through Smad2 Signaling. Cerebral Cortex, 2017, 27, 1732-1747.	2.9	29
50	Neonatal Hypoxia Ischaemia: Mechanisms, Models, and Therapeutic Challenges. Frontiers in Cellular Neuroscience, 2017, 11, 78.	3.7	228
51	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
52	Brain Development. , 2016, , 239-252.		4
53	Risks of Zika virus during the first trimester of pregnancy. Nature Reviews Neurology, 2016, 12, 315-316.	10.1	13
54	Precise Somatotopic Thalamocortical Axon Guidance Depends on LPA-Mediated PRG-2/Radixin Signaling. Neuron, 2016, 92, 126-142.	8.1	15

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55	From sauropsids to mammals and back: New approaches to comparative cortical development. Journal of Comparative Neurology, 2016, 524, 630-645.	1.6	62
56	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
57	MEF2 transcription factors are key regulators of sprouting angiogenesis. Genes and Development, 2016, 30, 2297-2309.	5.9	73
58	A comprehensive transcriptional map of primate brain development. Nature, 2016, 535, 367-375.	27.8	341
59	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
60	The Regulation of Corticofugal Fiber Targeting by Retinal Inputs. Cerebral Cortex, 2016, 26, 1336-1348.	2.9	68
61	A Transient Translaminar GABAergic Interneuron Circuit Connects Thalamocortical Recipient Layers in Neonatal Somatosensory Cortex. Neuron, 2016, 89, 536-549.	8.1	124
62	In Utero Electroporation Methods in the Study of Cerebral Cortical Development. Neuromethods, 2016, , 21-39.	0.3	3
63	Neurogenic niches in the brain: help and hindrance of the barrier systems. Frontiers in Neuroscience, 2015, 9, 20.	2.8	37
64	Secretory function in subplate neurons during cortical development. Frontiers in Neuroscience, 2015, 9, 100.	2.8	28
65	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
66	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
67	Intermediate Progenitors Facilitate Intracortical Progression of Thalamocortical Axons and Interneurons through CXCL12 Chemokine Signaling. Journal of Neuroscience, 2015, 35, 13053-13063.	3.6	35
68	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
69	Development, evolution and pathology of neocortical subplate neurons. Nature Reviews Neuroscience, 2015, 16, 133-146.	10.2	214
70	Cortical and Clonal Contribution of Tbr2 Expressing Progenitors in the Developing Mouse Brain. Cerebral Cortex, 2015, 25, 3290-3302.	2.9	144
71	Sip1 Downstream Effector ninein Controls Neocortical Axonal Growth, Ipsilateral Branching, and Microtubule Growth and Stability. Neuron, 2015, 85, 998-1012.	8.1	50
72	Practical neuroanatomy teaching in the 21st century. Annals of Neurology, 2015, 77, 911-916.	5.3	22

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73	Cortical Overgrowth in Fetuses With Isolated Ventriculomegaly. Cerebral Cortex, 2014, 24, 2141-2150.	2.9	56
74	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
75	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
76	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
77	Evolution and Development of the Mammalian Cerebral Cortex. Brain, Behavior and Evolution, 2014, 83, 126-139.	1.7	64
78	Subplate in a rat model of preterm hypoxia-ischemia. Annals of Clinical and Translational Neurology, 2014, 1, 679-691.	3.7	21
79	Sperm concentration, hyaluronic acid-binding capacity, aneuploidy and persistent histones in testicular cancer. Human Reproduction, 2014, 29, 1866-1874.	0.9	8
80	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
81	Dicer is required for neural stem cell multipotency and lineage progression during cerebral cortex development. Neural Development, 2013, 8, 14.	2.4	42
82	Best-laid schemes for interneuron origin of mice and men. Nature Neuroscience, 2013, 16, 1512-1514.	14.8	14
83	Molecular Diversity of Early-Born Subplate Neurons. Cerebral Cortex, 2013, 23, 1473-1483.	2.9	133
84	Brain Maturation After Preterm Birth. Science Translational Medicine, 2013, 5, 168ps2.	12.4	26
85	Cortical Columns. , 2013, , 109-129.		12
86	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
87	The impact of gene expression analysis on evolving views of avian brain organization. Journal of Comparative Neurology, 2013, 521, 3604-3613.	1.6	31
88	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
89	Gene Expression Analysis of the Embryonic Subplate. Cerebral Cortex, 2012, 22, 1343-1359.	2.9	83
90	Cerebral cortical development in rodents and primates. Progress in Brain Research, 2012, 195, 45-70.	1.4	107

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91	Compartmentalization of Cerebral Cortical Germinal Zones in a Lissencephalic Primate and Gyrencephalic Rodent. Cerebral Cortex, 2012, 22, 482-492.	2.9	138
92	Leptomeningeal-Derived Doublecortin-Expressing Cells in Poststroke Brain. Stem Cells and Development, 2012, 21, 2350-2354.	2.1	47
93	Development of the Corticothalamic Projections. Frontiers in Neuroscience, 2012, 6, 53.	2.8	97
94	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
95	Transcriptional Profiling of Layers of the Primate Cerebral Cortex. Neuron, 2012, 73, 1053-1055.	8.1	6
96	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
97	Mechanisms controlling the guidance of thalamocortical axons through the embryonic forebrain. European Journal of Neuroscience, 2012, 35, 1573-1585.	2.6	112
98	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
99	Morphology of mouse subplate cells with identified projection targets changes with age. Journal of Comparative Neurology, 2012, 520, 174-185.	1.6	53
100	Evolution of Cerebral Cortical Development. Brain, Behavior and Evolution, 2011, 78, 94-107.	1.7	66
101	Hanging by the tail: progenitor populations proliferate. Nature Neuroscience, 2011, 14, 538-540.	14.8	18
102	A Transcriptomic Atlas of Mouse Neocortical Layers. Neuron, 2011, 71, 605-616.	8.1	266
103	Ischemia-Induced Neural Stem/Progenitor Cells in the Pia Mater Following Cortical Infarction. Stem Cells and Development, 2011, 20, 2037-2051.	2.1	122
104	Engaging neuroscience to advance translational research in brain barrier biology. Nature Reviews Neuroscience, 2011, 12, 169-182.	10.2	508
105	Reduced ventricular proliferation in the foetal cortex following maternal inflammation in the mouse. Brain, 2011, 134, 3236-3248.	7.6	62
106	Comparative Aspects of Subplate Zone Studied with Gene Expression in Sauropsids and Mammals. Cerebral Cortex, 2011, 21, 2187-2203.	2.9	75
107	Hypothesis on the Dual Origin of the Mammalian Subplate. Frontiers in Neuroanatomy, 2011, 5, 25.	1.7	60
108	The need for research on human brain development. Brain, 2011, 134, 2177-2185.	7.6	4

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109	Subplate in the developing cortex of mouse and human. Journal of Anatomy, 2010, 217, 368-380.	1.5	78
110	Renewed focus on the developing human neocortex. Journal of Anatomy, 2010, 217, 276-288.	1.5	120
111	Development of the human neocortex. Journal of Anatomy, 2010, 217, 275-275.	1.5	0
112	Dopamine stimulation of postnatal murine subventricular zone neurogenesis via the D3 receptor. Journal of Neurochemistry, 2010, 114, 750-760.	3.9	71
113	Insights into the life and work of Sir Charles Sherrington. Nature Reviews Neuroscience, 2010, 11, 429-436.	10.2	30
114	Shining a spotlight on headaches. Nature Neuroscience, 2010, 13, 150-151.	14.8	1
115	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
116	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
117	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
118	Long noncoding RNA genes: conservation of sequence and brain expression among diverse amniotes. Genome Biology, 2010, 11, R72.	9.6	215
119	Phonocardiography in Preterm Newborns with Patent Ductus Arteriosus. Mechatronic Systems and Control, 2010, 7, .	0.2	0
120	Subplate and the Formation of the Earliest Cerebral Cortical Circuits. , 2010, , 19-31.		0
121	Selective Cortical Layering Abnormalities and Behavioral Deficits in Cortex-Specific Pax6 Knock-Out Mice. Journal of Neuroscience, 2009, 29, 8335-8349.	3.6	100
122	Novel Markers Reveal Subpopulations of Subplate Neurons in the Murine Cerebral Cortex. Cerebral Cortex, 2009, 19, 1738-1750.	2.9	145
123	Neurovascular Congruence during Cerebral Cortical Development. Cerebral Cortex, 2009, 19, i32-i41.	2.9	120
124	Specificity and Plasticity of Thalamocortical Connections in Sema6A Mutant Mice. PLoS Biology, 2009, 7, e1000098.	5.6	65
125	High quality RNA from multiple brain regions simultaneously acquired by laser capture microdissection. BMC Molecular Biology, 2009, 10, 69.	3.0	50
126	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

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127	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
128	Thalamocortical maturation in mice is influenced by body weight. Journal of Comparative Neurology, 2008, 511, 415-420.	1.6	16
129	2074v Alpha1-Beta1 and Alpha6-Beta1-Integrin. , 2008, , 1-1.		0
130	Satb2 Is a Postmitotic Determinant for Upper-Layer Neuron Specification in the Neocortex. Neuron, 2008, 57, 378-392.	8.1	577
131	Evolution of cortical neurogenesis. Brain Research Bulletin, 2008, 75, 398-404.	3.0	59
132	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
133	Altered Molecular Regionalization and Normal Thalamocortical Connections in Cortex-SpecificPax6Knock-Out Mice. Journal of Neuroscience, 2008, 28, 8724-8734.	3.6	51
134	The T-box transcription factor Eomes/Tbr2 regulates neurogenesis in the cortical subventricular zone. Genes and Development, 2008, 22, 2479-2484.	5.9	289
135	Conserved Developmental Algorithms During Thalamocortical Circuit Formation in Mammals and Reptiles. Novartis Foundation Symposium, 2008, 228, 148-172.	1.1	6
136	Conserved pattern of tangential neuronal migration during forebrain development. Development (Cambridge), 2007, 134, 2815-2827.	2.5	84
137	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
138	Single Nucleotide Polymorphism: Is It Only Genetic Palmistry?. Transplantation, 2007, 84, 954-955.	1.0	2
139	Mutations in Î±-Tubulin Cause Abnormal Neuronal Migration in Mice and Lissencephaly in Humans. Cell, 2007, 128, 45-57.	28.9	397
140	The Origin of Neocortex: Lessons from Comparative Embryology. , 2007, , 13-26.		10
141	Comparative aspects of cortical neurogenesis in vertebrates. Journal of Anatomy, 2007, 211, 164-176.	1.5	128
142	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
143	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
144	Building Bridges to the Cortex. Cell, 2006, 125, 24-27.	28.9	14

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145	Towards the classification of subpopulations of layer V pyramidal projection neurons. Neuroscience Research, 2006, 55, 105-115.	1.9	254
146	Calcium and NeuroD2 Control the Development of Thalamocortical Communication. Neuron, 2006, 49, 639-642.	8.1	6
147	Er81 is expressed in a subpopulation of layer 5 neurons in rodent and primate neocortices. Neuroscience, 2006, 137, 401-412.	2.3	101
148	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
149	Comparative aspects of cerebral cortical development. European Journal of Neuroscience, 2006, 23, 921-934.	2.6	237
150	Foreword to reviews on molecular and cellular basis of cortical development (CONCORDE). European Journal of Neuroscience, 2006, 23, 845-846.	2.6	1
151	The development of cortical connections. European Journal of Neuroscience, 2006, 23, 910-920.	2.6	187
152	Molecular mechanisms of cortical differentiation. European Journal of Neuroscience, 2006, 23, 857-868.	2.6	124
153	The first neurons of the human cerebral cortex. Nature Neuroscience, 2006, 9, 880-886.	14.8	155
154	Role of p35/Cdk5 in Preplate Splitting in the Developing Cerebral Cortex. Cerebral Cortex, 2006, 16, i35-i45.	2.9	31
155	Tract-Tracing in Developing Systems and in Postmortem Human Material Using Carbocyanine Dyes. , 2006, , 366-393.		13
156	The Earliest Thalamocortical Interactions. , 2006, , 54-78.		1
157	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
158	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
159	Tangential Networks of Precocious Neurons and Early Axonal Outgrowth in the Embryonic Human Forebrain. Journal of Neuroscience, 2005, 25, 2781-2792.	3.6	36
160	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
161	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
162	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

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163	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
164	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
165	A hydroelastic model of hydrocephalus. Journal of Fluid Mechanics, 2005, 539, 417.	3.4	86
166	Preferential Origin and Layer Destination of GAD65-GFP Cortical Interneurons. Cerebral Cortex, 2004, 14, 1122-1133.	2.9	266
167	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
168	Thomas Willis (1621â€“1675), the founder of clinical neuroscience. Nature Reviews Neuroscience, 2004, 5, 329-335.	10.2	71
169	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
170	Restricted expression of Slap-1 in the rodent cerebral cortex. Gene Expression Patterns, 2003, 3, 437-440.	0.8	3
171	Molecular pathomechanisms of Alzheimer's disease. Computational and Theoretical Chemistry, 2003, 666-667, 507-513.	1.5	5
172	Effects of osmotic changes on the chemoreceptor cell of rat carotid body. Journal of Physiology, 2003, 546, 471-481.	2.9	12
173	Thalamocortical development: how are we going to get there?. Nature Reviews Neuroscience, 2003, 4, 276-289.	10.2	415
174	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
175	Choreography of Early Thalamocortical Development. Cerebral Cortex, 2003, 13, 661-669.	2.9	69
176	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
177	Blockade of GABAB Receptors Alters the Tangential Migration of Cortical Neurons. Cerebral Cortex, 2003, 13, 932-942.	2.9	122
178	Apparent Absence of Claustrum in Monotremes: Implications for Forebrain Evolution in Amniotes. Brain, Behavior and Evolution, 2002, 60, 230-240.	1.7	57
179	Chapter 3 Neuronal changes during forebrain evolution in amniotes: an evolutionary developmental perspective. Progress in Brain Research, 2002, 136, 21-38.	1.4	30
180	Prenatal development of neural excitation in rat thalamocortical projections studied by optical recording. Neuroscience, 2002, 115, 1231-1246.	2.3	83

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181	Development and evolution of the collopallium in amniotes: a new hypothesis of field homology. Brain Research Bulletin, 2002, 57, 475-479.	3.0	86
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