

Gundela Meyer

List of Publications by Year in descending order

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73
papers

5,664
citations

109321

35
h-index

88630

70
g-index

75
all docs

75
docs citations

75
times ranked

5032
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional MRI evidence for adult motor cortex plasticity during motor skill learning. <i>Nature</i> , 1995, 377, 155-158.	27.8	1,642
2	Comparative aspects of cerebral cortical development. <i>European Journal of Neuroscience</i> , 2006, 23, 921-934.	2.6	237
3	Different origins and developmental histories of transient neurons in the marginal zone of the fetal and neonatal rat cortex. <i>Journal of Comparative Neurology</i> , 1998, 397, 493-518.	1.6	206
4	Embryonic and Early Fetal Development of the Human Neocortex. <i>Journal of Neuroscience</i> , 2000, 20, 1858-1868.	3.6	194
5	Expression of p73 and Reelin in the Developing Human Cortex. <i>Journal of Neuroscience</i> , 2002, 22, 4973-4986.	3.6	191
6	Prenatal development of reelin-immunoreactive neurons in the human neocortex. <i>Journal of Comparative Neurology</i> , 1998, 397, 29-40.	1.6	168
7	Morphology and quantitative changes of transient NPY-ir neuronal populations during early postnatal development of the cat visual cortex. <i>Journal of Comparative Neurology</i> , 1987, 261, 165-192.	1.6	156
8	DeltaNp73 regulates neuronal survival in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16871-16876.	7.1	145
9	Distribution patterns of estrogen receptor α and β in the human cortex and hippocampus during development and adulthood. <i>Journal of Comparative Neurology</i> , 2007, 503, 790-802.	1.6	139
10	Human disorders of cortical development: from past to present. <i>European Journal of Neuroscience</i> , 2006, 23, 877-893.	2.6	138
11	Developmental Roles of p73 in Cajal-Retzius Cells and Cortical Patterning. <i>Journal of Neuroscience</i> , 2004, 24, 9878-9887.	3.6	122
12	Postnatal maturation of nonpyramidal neurons in the visual cortex of the cat. <i>Journal of Comparative Neurology</i> , 1984, 228, 226-244.	1.6	104
13	Neurons in the white matter of the adult human neocortex. <i>Frontiers in Neuroanatomy</i> , 2009, 3, 7.	1.7	100
14	The effects of puberty and castration on hippocampal dendritic spines of mice. A Golgi study. <i>Brain Research</i> , 1978, 155, 108-112.	2.2	99
15	Prenatal development of reelin-immunoreactive neurons in the human neocortex. <i>Journal of Comparative Neurology</i> , 1998, 397, 29-40.	1.6	99
16	Developmental changes in layer I of the human neocortex during prenatal life: A Dilac-tracing and AChE and NADPH-d histochemistry study. <i>Journal of Comparative Neurology</i> , 1993, 338, 317-336.	1.6	89
17	LHX2 Is Necessary for the Maintenance of Optic Identity and for the Progression of Optic Morphogenesis. <i>Journal of Neuroscience</i> , 2013, 33, 6877-6884.	3.6	87
18	Forms and spatial arrangement of neurons in the primary motor cortex of man. <i>Journal of Comparative Neurology</i> , 1987, 262, 402-428.	1.6	85

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19	Aggregations of granule cells in the basal forebrain (islands of Calleja): Golgi and cytoarchitectonic study in different mammals, including man. <i>Journal of Comparative Neurology</i> , 1989, 284, 405-428.	1.6	85
20	VDAC and ER \pm interaction in caveolae from human cortex is altered in Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2009, 42, 172-183.	2.2	83
21	Reelin-expressing neurons in the postnatal and adult human hippocampal formation. <i>Hippocampus</i> , 2003, 13, 715-727.	1.9	82
22	Building a human cortex: the evolutionary differentiation of Cajal-Retzius cells and the cortical hem. <i>Journal of Anatomy</i> , 2010, 217, 334-343.	1.5	82
23	The paleocortical ventricle is the origin of reelin-expressing neurons in the marginal zone of the foetal human neocortex. <i>European Journal of Neuroscience</i> , 1999, 11, 3937-3944.	2.6	75
24	Lhx2 Regulates the Development of the Forebrain Hem System. <i>Cerebral Cortex</i> , 2014, 24, 1361-1372.	2.9	67
25	Comparative aspects of p73 and Reelin expression in Cajal-Retzius cells and the cortical hem in lizard, mouse and human. <i>Brain Research</i> , 2007, 1132, 59-70.	2.2	66
26	Magnetic resonance imaging and histological studies of corpus callosal and hippocampal abnormalities linked to doublecortin deficiency. <i>Journal of Comparative Neurology</i> , 2007, 500, 239-254.	1.6	64
27	Selective Expression of Doublecortin and LIS1 in Developing Human Cortex Suggests Unique Modes of Neuronal Movement. <i>Cerebral Cortex</i> , 2002, 12, 1225-1236.	2.9	57
28	Axonal patterns and topography of short-axon neurons in visual areas 17, 18, and 19 of the cat. <i>Journal of Comparative Neurology</i> , 1983, 220, 405-438.	1.6	55
29	p73 and Reelin in Cajal-Retzius Cells of the Developing Human Hippocampal Formation. <i>Cerebral Cortex</i> , 2004, 14, 484-495.	2.9	47
30	Dual origins of the mammalian accessory olfactory bulb revealed by an evolutionarily conserved migratory stream. <i>Nature Neuroscience</i> , 2013, 16, 157-165.	14.8	47
31	Early postnatal development of cholecystokinin-immunoreactive structures in the visual cortex of the cat. <i>Journal of Comparative Neurology</i> , 1988, 276, 360-386.	1.6	42
32	Early postnatal development of vasoactive intestinal polypeptide- and peptide histidine isoleucine-immunoreactive structures in the cat visual cortex. <i>Journal of Comparative Neurology</i> , 1989, 282, 215-248.	1.6	41
33	Laminar distribution and morphology of NADPH-diaphorase containing neurons in the superior colliculus and underlying periaqueductal gray of the rat. <i>Anatomy and Embryology</i> , 1992, 186, 245-50.	1.5	41
34	The olfactory tubercle of the cat I. Morphological components. <i>Experimental Brain Research</i> , 1986, 62, 515-27.	1.5	40
35	Postnatal development of NADPH-diaphorase activity in the superior colliculus and the ventral lateral geniculate nucleus of the rat. <i>Developmental Brain Research</i> , 1993, 76, 141-145.	1.7	39
36	The commissural interconnections of the inferior colliculus in the albino mouse. <i>Brain Research</i> , 1986, 368, 268-276.	2.2	33

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37	Alterations of the subcommissural organ in the hydrocephalic human fetal brain. <i>Developmental Brain Research</i> , 1994, 79, 316-320.	1.7	33
38	Human and monkey fetal brain development of the supramammillary-hippocampal projections: A system involved in the regulation of theta activity. <i>Journal of Comparative Neurology</i> , 2001, 429, 515-529.	1.6	32
39	The efferent projections of neurons in the white matter of different cortical areas of the adult rat. <i>Anatomy and Embryology</i> , 1991, 184, 99-102.	1.5	30
40	Dynamic expression of the p53 family members p63 and p73 in the mouse and human telencephalon during development and in adulthood. <i>Brain Research</i> , 2011, 1372, 29-40.	2.2	30
41	The olfactory tubercle of the cat II. Immunohistochemical compartmentation. <i>Experimental Brain Research</i> , 1986, 62, 528-40.	1.5	29
42	Multiple isoforms of the tumor protein p73 are expressed in the adult human telencephalon and choroid plexus and present in the cerebrospinal fluid. <i>European Journal of Neuroscience</i> , 2006, 23, 2109-2118.	2.6	28
43	Transient NADPH-diaphorase activity in motor nuclei of the foetal human brain stem. <i>NeuroReport</i> , 1994, 5, 758-760.	1.2	27
44	Dynamic expression of calretinin in embryonic and early fetal human cortex. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 41.	1.7	27
45	The Subpial Granular Layer and Transient Versus Persisting Cajal-Retzius Neurons of the Fetal Human Cortex. <i>Cerebral Cortex</i> , 2018, 28, 2043-2058.	2.9	27
46	The heterogeneity of human Cajal-Retzius neurons. <i>Seminars in Cell and Developmental Biology</i> , 2018, 76, 101-111.	5.0	27
47	Disabled-1 mRNA and protein expression in developing human cortex. <i>European Journal of Neuroscience</i> , 2003, 17, 517-525.	2.6	25
48	A maternal blood-borne factor promotes survival of the developing thalamus. <i>FASEB Journal</i> , 2005, 19, 1-20.	0.5	24
49	NADPH-d activity in the islands of Calleja: a regulatory system of blood flow to the ventral striatum/pallidum?. <i>NeuroReport</i> , 1994, 5, 1281-1284.	1.2	22
50	Substance P- and opioid-immunoreactive structures in olfactory centers of the cat: Adult pattern and postnatal development. <i>Journal of Comparative Neurology</i> , 1990, 302, 349-369.	1.6	20
51	Cortical hypoplasia and ventriculomegaly of p73-deficient mice: Developmental and adult analysis. <i>Journal of Comparative Neurology</i> , 2014, 522, 2663-2679.	1.6	20
52	A Radial Glia Fascicle Leads Principal Neurons from the Pallial-Subpallial Boundary into the Developing Human Insula. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 111.	1.7	18
53	Fast prenatal development of the NPY neuron system in the neocortex of the European wild boar, <i>Sus scrofa</i> . <i>Brain Structure and Function</i> , 2018, 223, 3855-3873.	2.3	17
54	Cajal-Retzius neurons are required for the development of the human hippocampal fissure. <i>Journal of Anatomy</i> , 2019, 235, 569-589.	1.5	16

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55	A Distal to Proximal Gradient of Human Choroid Plexus Development, with Antagonistic Expression of Glut1 and AQP1 in Mature Cells vs. Calbindin and PCNA in Proliferative Cells. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 87.	1.7	15
56	Short-axon neurons with two axon-like processes in the visual cortex of the cat. A Golgi study. <i>Brain Research</i> , 1982, 232, 455-459.	2.2	14
57	Cortical white matter: beyond the pale remarks, main conclusions and discussion. <i>Frontiers in Neuroanatomy</i> , 2010, 4, 4.	1.7	14
58	Neocortical pyramidal neurons with axons emerging from dendrites are frequent in non-primates, but rare in monkey and human. <i>ELife</i> , 2022, 11, .	6.0	14
59	Changes in the secretory activity of the subcommissural organ of spontaneously hypertensive rats. <i>Neuroscience Letters</i> , 1998, 246, 133-136.	2.1	11
60	The Subpial Granular Layer in the Developing Cerebral Cortex of Rodents. <i>Results and Problems in Cell Differentiation</i> , 2000, 30, 277-291.	0.7	11
61	Direct projections from the reticular formation of the medulla oblongata to the anterior cingulate cortex in the mouse and the rat. <i>Brain Research</i> , 1986, 398, 207-211.	2.2	10
62	Karyometric changes in the subcommissural organ of male mice after gonadectomy. <i>Neuroscience Letters</i> , 1983, 39, 27-31.	2.1	9
63	Combining Theoretical and Experimental Approaches to Understand the Circadian Clock. <i>Chronobiology International</i> , 2003, 20, 559-575.	2.0	9
64	p73: A complex gene for building a complex brain. <i>Cell Cycle</i> , 2011, 10, 1188-1188.	2.6	9
65	NADPH-d (dihyronicotinamide adenine dinucleotide phosphate diaphorase) activity in geniculo-tectal neurons of the rat. <i>Neuroscience Letters</i> , 1994, 167, 77-80.	2.1	6
66	Cortical projections of the nucleus centralis superior and the adjacent reticular tegmentum in the mouse. <i>Brain Research</i> , 1985, 330, 343-348.	2.2	4
67	Alcohol effects on the morphometric development of the subfornical organ and area postrema of the albino mouse. <i>Alcohol</i> , 1991, 8, 65-70.	1.7	3
68	The Effects of Chronic Administration of Captopril on the Mouse Subfornical Organ and Area Postrema. <i>Experimental Neurology</i> , 1993, 120, 145-148.	4.1	3
69	Prenatal development of reelin-immunoreactive neurons in the human neocortex. , 1998, 397, 29.		3
70	Comparative Anatomy and Evolutionary Roles of Reelin. , 2008, , 69-87.		3
71	Development of microglia in fetal and postnatal neocortex of the pig, the European wild boar (<i>Sus) Tj ETQq1 1 0,784314 rgBT /Overl 1.6 3	0.784314	3
72	From the lateral edge to the center of the cortex: The development of the human insula. <i>Neuroforum</i> , 2018, 24, A151-A158.	0.3	1

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73	Vom lateralen Rand ins Zentrum des Kortex: Die Entwicklung der menschlichen Inselrinde. Neuroforum, 2018, 24, 237-246.	0.3	0