

Ludwig J Aigner

List of Publications by Year in descending order

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177
papers

15,935
citations

36303

51
h-index

18130

120
g-index

185
all docs

185
docs citations

185
times ranked

21093
citing authors

#	ARTICLE	IF	CITATIONS
1	The ageing systemic milieu negatively regulates neurogenesis and cognitive function. <i>Nature</i> , 2011, 477, 90-94.	27.8	1,453
2	Transient expression of doublecortin during adult neurogenesis. <i>Journal of Comparative Neurology</i> , 2003, 467, 1-10.	1.6	1,353
3	CD133+ and CD133 ⁺ Glioblastoma-Derived Cancer Stem Cells Show Differential Growth Characteristics and Molecular Profiles. <i>Cancer Research</i> , 2007, 67, 4010-4015.	0.9	1,027
4	Applying extracellular vesicles based therapeutics in clinical trials – an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 30087.	12.2	1,020
5	Doublecortin expression levels in adult brain reflect neurogenesis. <i>European Journal of Neuroscience</i> , 2005, 21, 1-14.	2.6	872
6	Overexpression of the neural growth-associated protein GAP-43 induces nerve sprouting in the adult nervous system of transgenic mice. <i>Cell</i> , 1995, 83, 269-278.	28.9	676
7	Human Adult Neurogenesis: Evidence and Remaining Questions. <i>Cell Stem Cell</i> , 2018, 23, 25-30.	11.1	601
8	Lipid-droplet-accumulating microglia represent a dysfunctional and proinflammatory state in the aging brain. <i>Nature Neuroscience</i> , 2020, 23, 194-208.	14.8	558
9	Clonally expanded CD8 T cells patrol the cerebrospinal fluid in Alzheimer's disease. <i>Nature</i> , 2020, 577, 399-404.	27.8	537
10	Prolonged delivery of brain-derived neurotrophic factor by adenovirus-infected Muller cells temporarily rescues injured retinal ganglion cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 3978-3983.	7.1	384
11	Direct Stimulation of Adult Neural Stem Cells In Vitro and Neurogenesis In Vivo by Vascular Endothelial Growth Factor. <i>Brain Pathology</i> , 2004, 14, 237-248.	4.1	319
12	Adult neural progenitor cell grafts survive after acute spinal cord injury and integrate along axonal pathways. <i>European Journal of Neuroscience</i> , 2003, 18, 743-751.	2.6	193
13	Brain and Retinal Pericytes: Origin, Function and Role. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 20.	3.7	187
14	High Efficacy of Clonal Growth and Expansion of Adult Neural Stem Cells. <i>Laboratory Investigation</i> , 2003, 83, 949-962.	3.7	185
15	Absence of persistent spreading, branching, and adhesion in GAP-43-depleted growth cones. <i>Journal of Cell Biology</i> , 1995, 128, 647-660.	5.2	174
16	Gene Expression Profiling of Neural Stem Cells and Their Neuronal Progeny Reveals IGF2 as a Regulator of Adult Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2012, 32, 3376-3387.	3.6	173
17	Depletion of 43-kD growth-associated protein in primary sensory neurons leads to diminished formation and spreading of growth cones. <i>Journal of Cell Biology</i> , 1993, 123, 417-429.	5.2	169
18	Mesenchymal Stem Cells Instruct Oligodendrogenic Fate Decision on Adult Neural Stem Cells. <i>Stem Cells</i> , 2006, 24, 2209-2219.	3.2	161

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19	Transforming Growth Factor- β 1 Is a Negative Modulator of Adult Neurogenesis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 358-370.	1.7	153
20	Human Wild-Type α -Synuclein Impairs Neurogenesis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2004, 63, 1155-1166.	1.7	143
21	Striatal deafferentation increases dopaminergic neurogenesis in the adult olfactory bulb. <i>Experimental Neurology</i> , 2006, 197, 113-121.	4.1	141
22	SoxC Transcription Factors Are Required for Neuronal Differentiation in Adult Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2012, 32, 3067-3080.	3.6	140
23	Structural and functional rejuvenation of the aged brain by an approved anti-asthmatic drug. <i>Nature Communications</i> , 2015, 6, 8466.	12.8	139
24	Dopamine receptor activation promotes adult neurogenesis in an acute Parkinson model. <i>Experimental Neurology</i> , 2009, 219, 543-552.	4.1	133
25	Ageing abolishes the effects of fluoxetine on neurogenesis. <i>Molecular Psychiatry</i> , 2009, 14, 856-864.	7.9	124
26	Prolactin Prevents Chronic Stress-Induced Decrease of Adult Hippocampal Neurogenesis and Promotes Neuronal Fate. <i>Journal of Neuroscience</i> , 2009, 29, 1826-1833.	3.6	123
27	TGF- β signalling in the adult neurogenic niche promotes stem cell quiescence as well as generation of new neurons. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 1444-1459.	3.6	118
28	CD8+ T-cells infiltrate Alzheimer's disease brains and regulate neuronal- and synapse-related gene expression in APP-PS1 transgenic mice. <i>Brain, Behavior, and Immunity</i> , 2020, 89, 67-86.	4.1	112
29	Targeted transgene expression in neuronal precursors: watching young neurons in the old brain. <i>European Journal of Neuroscience</i> , 2006, 24, 1535-1545.	2.6	111
30	Pericytes Stimulate Oligodendrocyte Progenitor Cell Differentiation during CNS Remyelination. <i>Cell Reports</i> , 2017, 20, 1755-1764.	6.4	100
31	The dark side of BrdU in neural stem cell biology: detrimental effects on cell cycle, differentiation and survival. <i>Cell and Tissue Research</i> , 2011, 345, 313-328.	2.9	99
32	The Maternal Brain: An Organ with Peripartal Plasticity. <i>Neural Plasticity</i> , 2014, 2014, 1-20.	2.2	94
33	CD4 ⁺ T cells contribute to neurodegeneration in Lewy body dementia. <i>Science</i> , 2021, 374, 868-874.	12.6	92
34	TGF- β in neural stem cells and in tumors of the central nervous system. <i>Cell and Tissue Research</i> , 2008, 331, 225-241.	2.9	91
35	Microglia prevent peripheral immune cell invasion and promote an anti-inflammatory environment in the brain of APP-PS1 transgenic mice. <i>Journal of Neuroinflammation</i> , 2018, 15, 274.	7.2	89
36	Neuronal precursor-specific activity of a human doublecortin regulatory sequence. <i>Journal of Neurochemistry</i> , 2005, 92, 264-282.	3.9	87

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37	Stem Cell Quiescence in the Hippocampal Neurogenic Niche Is Associated With Elevated Transforming Growth Factor- β^2 Signaling in an Animal Model of Huntington Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010, 69, 717-728.	1.7	86
38	Physical activity fails to rescue hippocampal neurogenesis deficits in the R6/2 mouse model of Huntington's disease. <i>Brain Research</i> , 2007, 1155, 24-33.	2.2	76
39	Intrinsic Neuronal Determinants Locally Regulate Extrasynaptic and Synaptic Growth at the Adult Neuromuscular Junction. <i>Journal of Cell Biology</i> , 1997, 136, 679-692.	5.2	75
40	Adult retinal pigment epithelium cells express neural progenitor properties and the neuronal precursor protein doublecortin. <i>Brain Research</i> , 2005, 1040, 98-111.	2.2	71
41	Early Changes in Hippocampal Neurogenesis in Transgenic Mouse Models for Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2016, 53, 5796-5806.	4.0	71
42	Neural Crest Origin of Retinal and Choroidal Pericytes. , 2013, 54, 7910.		67
43	Hippocampal Neurogenesis and Antidepressive Therapy: Shocking Relations. <i>Neural Plasticity</i> , 2014, 2014, 1-14.	2.2	64
44	Neurogenesis, Cellular Plasticity and Cognition: The Impact of Stem Cells in the Adult and Aging Brain – A Mini-Review. <i>Gerontology</i> , 2011, 57, 559-564.	2.8	62
45	Extracellular Vesicles Can Deliver Anti-inflammatory and Anti-scarring Activities of Mesenchymal Stromal Cells After Spinal Cord Injury. <i>Frontiers in Neurology</i> , 2019, 10, 1225.	2.4	61
46	Novel POMGnT1 mutations define broader phenotypic spectrum of muscle-eye-brain disease. <i>Neurogenetics</i> , 2007, 8, 279-288.	1.4	60
47	Impaired adult olfactory bulb neurogenesis in the R6/2 mouse model of Huntington's disease. <i>BMC Neuroscience</i> , 2010, 11, 114.	1.9	60
48	Sex-dependent regulation of hippocampal neurogenesis under basal and chronic stress conditions in rats. <i>Hippocampus</i> , 2013, 23, 476-487.	1.9	60
49	Chroman-like cyclic prenylflavonoids promote neuronal differentiation and neurite outgrowth and are neuroprotective. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1953-1962.	4.2	58
50	In Vivo Optical Imaging of Neurogenesis: Watching New Neurons in the Intact Brain. <i>Molecular Imaging</i> , 2008, 7, 7290.2008.0004.	1.4	56
51	Mesenchymal Stem Cells Prime Proliferating Adult Neural Progenitors Toward an Oligodendrocyte Fate. <i>Stem Cells and Development</i> , 2012, 21, 1838-1851.	2.1	55
52	The L-type calcium channel Cav1.3 is required for proper hippocampal neurogenesis and cognitive functions. <i>Cell Calcium</i> , 2015, 58, 606-616.	2.4	55
53	Neural stem cells for spinal cord repair. <i>Cell and Tissue Research</i> , 2012, 349, 349-362.	2.9	53
54	Dopaminergic Lesion Enhances Growth Factor-Induced Striatal Neuroblast Migration. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 105-116.	1.7	52

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55	A powerful transgenic tool for fate mapping and functional analysis of newly generated neurons. BMC Neuroscience, 2010, 11, 158.	1.9	50
56	Identification of new molecular targets for PET imaging of the microglial anti-inflammatory activation state. Theranostics, 2018, 8, 5400-5418.	10.0	48
57	Cellular Plasticity in the Adult Murine Piriform Cortex: Continuous Maturation of Dormant Precursors Into Excitatory Neurons. Cerebral Cortex, 2018, 28, 2610-2621.	2.9	48
58	The leukotriene signaling pathway: a druggable target in Alzheimer's disease. Drug Discovery Today, 2019, 24, 505-516.	6.4	48
59	Autologous adult rodent neural progenitor cell transplantation represents a feasible strategy to promote structural repair in the chronically injured spinal cord. Regenerative Medicine, 2006, 1, 255-266.	1.7	47
60	Early postnatal behavioral, cellular, and molecular changes in models of Huntington disease are reversible by HDAC inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8765-E8774.	7.1	47
61	Brain pericyte plasticity as a potential drug target in CNS repair. Drug Discovery Today, 2013, 18, 456-463.	6.4	46
62	TGF- β 2 Signaling: A Therapeutic Target to Reinstat Regenerative Plasticity in Vascular Dementia?. , 2020, 11, 828.		46
63	Novel role for SLPI in MOG-induced EAE revealed by spinal cord expression analysis. Journal of Neuroinflammation, 2008, 5, 20.	7.2	45
64	Mesenchymal Stem Cell Conditioning Promotes Rat Oligodendroglial Cell Maturation. PLoS ONE, 2013, 8, e71814.	2.5	45
65	Oligodendrogenesis of adult neural progenitors: differential effects of ciliary neurotrophic factor and mesenchymal stem cell derived factors. Journal of Neurochemistry, 2008, 107, 832-843.	3.9	44
66	A Nuclear Magnetic Resonance Biomarker for Neural Progenitor Cells: Is It All Neurogenesis?. Stem Cells, 2009, 27, 420-423.	3.2	44
67	Lactation-induced reduction in hippocampal neurogenesis is reversed by repeated stress exposure. Hippocampus, 2014, 24, 673-683.	1.9	43
68	Adult mesenchymal stem cell therapy for myelin repair in Multiple Sclerosis. Biological Research, 2012, 45, 257-268.	3.4	42
69	The TGF- β 2 System As a Potential Pathogenic Player in Disease Modulation of Amyotrophic Lateral Sclerosis. Frontiers in Neurology, 2017, 8, 669.	2.4	42
70	Molecular Mechanisms of Neuronal Migration Disorders, Quo Vadis?. Current Molecular Medicine, 2001, 1, 677-688.	1.3	40
71	Time-dependent retinal ganglion cell loss, microglial activation and blood-retina-barrier tightness in an acute model of ocular hypertension. Experimental Eye Research, 2015, 136, 59-71.	2.6	40
72	Diet-Related Metabolites Associated with Cognitive Decline Revealed by Untargeted Metabolomics in a Prospective Cohort. Molecular Nutrition and Food Research, 2019, 63, e1900177.	3.3	40

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73	The neurogenic competence of progenitors from the postnatal rat retina in vitro. <i>Experimental Eye Research</i> , 2004, 78, 1025-1036.	2.6	39
74	Tamoxifen Activation of Cre-Recombinase Has No Persisting Effects on Adult Neurogenesis or Learning and Anxiety. <i>Frontiers in Neuroscience</i> , 2017, 11, 27.	2.8	39
75	Neuroinflammatory alterations in trait anxiety: modulatory effects of minocycline. <i>Translational Psychiatry</i> , 2020, 10, 256.	4.8	39
76	Prewaning enrichment has no lasting effects on adult hippocampal neurogenesis in four-month-old mice. <i>Genes, Brain and Behavior</i> , 2002, 1, 46-54.	2.2	38
77	Transforming Growth Factor-Beta Signaling in the Neural Stem Cell Niche: A Therapeutic Target for Huntington's Disease. <i>Neurology Research International</i> , 2011, 2011, 1-13.	1.3	38
78	Lineage Selection of Functional and Cryopreservable Human Embryonic Stem Cell-Derived Neurons. <i>Stem Cells</i> , 2008, 26, 1705-1712.	3.2	37
79	Neurogenesis upregulation on the healthy hemisphere after stroke enhances compensation for age-dependent decrease of basal neurogenesis. <i>Neurobiology of Disease</i> , 2017, 99, 47-57.	4.4	36
80	Doublecortin expression in CD8+ T cells and microglia at sites of amyloid β plaques: A potential role in shaping plaque pathology?. <i>Alzheimer's and Dementia</i> , 2018, 14, 1022-1037.	0.8	36
81	Improvement of fiber connectivity and functional recovery after stroke by montelukast, an available and safe anti-asthmatic drug. <i>Pharmacological Research</i> , 2019, 142, 223-236.	7.1	35
82	Functional Integration of Neuronal Precursors in the Adult Murine Piriform Cortex. <i>Cerebral Cortex</i> , 2020, 30, 1499-1515.	2.9	35
83	Human in vitro reporter model of neuronal development and early differentiation processes. <i>BMC Neuroscience</i> , 2008, 9, 31.	1.9	34
84	The remyelination Philosopher's Stone: stem and progenitor cell therapies for multiple sclerosis. <i>Cell and Tissue Research</i> , 2012, 349, 331-347.	2.9	34
85	Stem cell metabolic and spectroscopic profiling. <i>Trends in Biotechnology</i> , 2013, 31, 204-213.	9.3	34
86	Reduction in Subventricular Zone-Derived Olfactory Bulb Neurogenesis in a Rat Model of Huntington's Disease Is Accompanied by Striatal Invasion of Neuroblasts. <i>PLoS ONE</i> , 2015, 10, e0116069.	2.5	34
87	Biomarkers in Traumatic Spinal Cord Injury—Technical and Clinical Considerations: A Systematic Review. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 95-110.	2.9	34
88	Deciphering the Oligodendrogenic Program of Neural Progenitors: Cell Intrinsic and Extrinsic Regulators. <i>Stem Cells and Development</i> , 2010, 19, 595-606.	2.1	33
89	Lesion-Induced Accumulation of Platelets Promotes Survival of Adult Neural Stem / Progenitor Cells. <i>Experimental Neurology</i> , 2015, 269, 75-89.	4.1	33
90	In Vivo Monitoring of Adult Neurogenesis in Health and Disease. <i>Frontiers in Neuroscience</i> , 2011, 5, 67.	2.8	32

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91	Inhibition of Leukotriene Receptors Boosts Neural Progenitor Proliferation. Cellular Physiology and Biochemistry, 2011, 28, 793-804.	1.6	32
92	Intrinsically Active and Pacemaker Neurons in Pluripotent Stem Cell-Derived Neuronal Populations. Stem Cell Reports, 2014, 2, 323-336.	4.8	32
93	Adult hippocampus derived soluble factors induce a neuronal-like phenotype in mesenchymal stem cells. Neuroscience Letters, 2006, 406, 49-54.	2.1	31
94	Apolipoprotein E and sex modulate fatty acid metabolism in a prospective observational study of cognitive decline. Alzheimer's Research and Therapy, 2022, 14, 1.	6.2	31
95	Mesenchymal Stem Cells Promote Oligodendroglial Differentiation in Hippocampal Slice Cultures. Cellular Physiology and Biochemistry, 2009, 24, 317-324.	1.6	30
96	Cerebrolysin protects PC12 cells from CoCl ₂ -induced hypoxia employing GSK3 ^β signaling. International Journal of Developmental Neuroscience, 2014, 38, 52-58.	1.6	30
97	In vivo optical imaging of neurogenesis: watching new neurons in the intact brain. Molecular Imaging, 2008, 7, 28-34.	1.4	30
98	Age Influences Microglial Activation After Cuprizone-Induced Demyelination. Frontiers in Aging Neuroscience, 2018, 10, 278.	3.4	29
99	Striatal transplantation for multiple system atrophy – Are grafts affected by α -synucleinopathy?. Experimental Neurology, 2009, 219, 368-371.	4.1	28
100	Distribution and fate of DCX/PSA-NCAM expressing cells in the adult mammalian cortex: A local reservoir for adult cortical neuroplasticity?. Frontiers in Biology, 2016, 11, 193-213.	0.7	28
101	Aging restricts the ability of mesenchymal stem cells to promote the generation of oligodendrocytes during remyelination. Glia, 2019, 67, 1510-1525.	4.9	28
102	p57kip2 regulates glial fate decision in adult neural stem cells. Development (Cambridge), 2012, 139, 3306-3315.	2.5	27
103	Allergy Enhances Neurogenesis and Modulates Microglial Activation in the Hippocampus. Frontiers in Cellular Neuroscience, 2016, 10, 169.	3.7	27
104	The Leukotriene Receptor Antagonist Montelukast as a Potential COVID-19 Therapeutic. Frontiers in Molecular Biosciences, 2020, 7, 610132.	3.5	26
105	Mutational and expression analysis of the reelin pathway components CDK5 and doublecortin in gangliogliomas. Acta Neuropathologica, 2002, 104, 403-408.	7.7	25
106	Reactive Neuroblastosis in Huntington's Disease: A Putative Therapeutic Target for Striatal Regeneration in the Adult Brain. Frontiers in Cellular Neuroscience, 2018, 12, 37.	3.7	25
107	Smad7 Regulates the Adult Neural Stem/Progenitor Cell Pool in a Transforming Growth Factor β - and Bone Morphogenetic Protein-Independent Manner. Molecular and Cellular Biology, 2010, 30, 3685-3694.	2.3	23
108	<i>In vivo</i> imaging of adult neurogenesis. European Journal of Neuroscience, 2011, 33, 1037-1044.	2.6	21

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109	Identity, Fate and Potential of Cells Grown as Neurospheres: Species Matters. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 815-835.	5.6	21
110	Heterozygous modulation of TGF- β 2 signaling does not influence M β 1 glia cell reactivity or proliferation following NMDA-induced damage. <i>Histochemistry and Cell Biology</i> , 2015, 144, 443-455.	1.7	21
111	Microglia depletion diminishes key elements of the leukotriene pathway in the brain of Alzheimer's Disease mice. <i>Acta Neuropathologica Communications</i> , 2020, 8, 129.	5.2	21
112	<i>In situ</i> labeling and imaging of endogenous neural stem cell proliferation and migration. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012, 4, 663-679.	6.1	20
113	Beyond Clotting: A Role of Platelets in CNS Repair?. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 511.	3.7	20
114	Nontraumatic spinal cord injury at the neurological intensive care unit: spectrum, causes of admission and predictors of mortality. <i>Therapeutic Advances in Neurological Disorders</i> , 2016, 9, 85-94.	3.5	20
115	Early signature in the blood lipidome associated with subsequent cognitive decline in the elderly: A case-control analysis nested within the Three-City cohort study. <i>EBioMedicine</i> , 2021, 64, 103216.	6.1	20
116	Neurogenesis and neuronal regeneration in status epilepticus. <i>Epilepsia</i> , 2013, 54, 40-42.	5.1	19
117	Pericytes Favor Oligodendrocyte Fate Choice in Adult Neural Stem Cells. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 85.	3.7	19
118	Antisense Oligonucleotide in LNA-Gapmer Design Targeting TGFBR2: A Key Single Gene Target for Safe and Effective Inhibition of TGF β 2 Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1952.	4.1	19
119	Bone morphogenetic proteins prevent bone marrow stromal cell-mediated oligodendroglial differentiation of transplanted adult neural progenitor cells in the injured spinal cord. <i>Stem Cell Research</i> , 2013, 11, 758-771.	0.7	18
120	The Leukotriene Receptor Antagonist Montelukast Reduces Alpha-Synuclein Load and Restores Memory in an Animal Model of Dementia with Lewy Bodies. <i>Neurotherapeutics</i> , 2020, 17, 1061-1074.	4.4	17
121	Food and Microbiota Metabolites Associate with Cognitive Decline in Older Subjects: A 12-Year Prospective Study. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100606.	3.3	17
122	¹ H-Nuclear Magnetic Resonance Spectroscopy of Glioblastoma Cancer Stem Cells. <i>Stem Cells and Development</i> , 2011, 20, 2189-2195.	2.1	16
123	Early sacral neuromodulation ameliorates urinary bladder function and structure in complete spinal cord injury minipigs. <i>Neurourology and Urodynamics</i> , 2020, 39, 586-593.	1.5	16
124	DCX+ neuronal progenitors contribute to new oligodendrocytes during remyelination in the hippocampus. <i>Scientific Reports</i> , 2020, 10, 20095.	3.3	16
125	Granulocyte colony-stimulating factor in traumatic spinal cord injury. <i>Drug Discovery Today</i> , 2021, 26, 1642-1655.	6.4	16
126	Neuroplasticity, limbic neuroblastosis and neuro-regenerative disorders. <i>Neural Regeneration Research</i> , 2018, 13, 1322.	3.0	16

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127	Prolactin Induces MAPK Signaling in Neural Progenitors without Alleviating Glucocorticoid-Induced Inhibition of in vitro Neurogenesis. <i>Cellular Physiology and Biochemistry</i> , 2009, 24, 397-406.	1.6	15
128	The Leukotriene Receptor Antagonist Montelukast Attenuates Neuroinflammation and Affects Cognition in Transgenic 5xFAD Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2782.	4.1	15
129	Isolated Lissencephaly Sequence and Double-Cortex Syndrome in a German Family with a Novel Doublecortin Mutation. <i>Neuropediatrics</i> , 2000, 31, 195-198.	0.6	13
130	Transforming growth factor- β 1 primes proliferating adult neural progenitor cells to electrophysiological functionality. <i>Glia</i> , 2013, 61, 1767-1783.	4.9	13
131	Rat choroidal pericytes as a target of the autonomic nervous system. <i>Cell and Tissue Research</i> , 2014, 356, 1-8.	2.9	13
132	Age-dependent and differential effects of Smad7 ^{fl} Ex1 on neural progenitor cell proliferation and on neurogenesis. <i>Experimental Gerontology</i> , 2014, 57, 149-154.	2.8	13
133	Human Cerebrospinal Fluid Promotes Neuronal Viability and Activity of Hippocampal Neuronal Circuits In Vitro. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 54.	3.7	13
134	Motor deficits following dorsal corticospinal tract transection in rats: voluntary versus skilled locomotion readouts. <i>Heliyon</i> , 2018, 4, e00540.	3.2	13
135	Platelets in Amyloidogenic Mice Are Activated and Invade the Brain. <i>Frontiers in Neuroscience</i> , 2020, 14, 129.	2.8	13
136	Characterization of dsRed2-positive cells in the doublecortin-dsRed2 transgenic adult rat retina. <i>Histochemistry and Cell Biology</i> , 2014, 142, 601-617.	1.7	12
137	Neurodifferentiating Potential of 8-Prenylnaringenin and Related Compounds in Neural Precursor Cells and Correlation with Estrogen-Like Activity. <i>Planta Medica</i> , 2015, 81, 305-311.	1.3	12
138	The serum metabolome mediates the concert of diet, exercise, and neurogenesis, determining the risk for cognitive decline and dementia. <i>Alzheimer's and Dementia</i> , 2022, 18, 654-675.	0.8	12
139	Tendons from Non-diabetic Humans and Rats Harbor a Population of Insulin-producing, Pancreatic Beta Cell-like Cells. <i>Hormone and Metabolic Research</i> , 2012, 44, 506-510.	1.5	11
140	A new technique for minimal invasive complete spinal cord injury in minipigs. <i>Acta Neurochirurgica</i> , 2018, 160, 459-465.	1.7	11
141	The Prenylflavonoid ENDF1 Overrules Central Nervous System Growth Inhibitors and Facilitates Regeneration of DRG Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 332.	3.7	11
142	Caffeine Compromises Proliferation of Human Hippocampal Progenitor Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 806.	3.7	11
143	Improved Bioavailability of Montelukast through a Novel Oral Mucoadhesive Film in Humans and Mice. <i>Pharmaceutics</i> , 2021, 13, 12.	4.5	10
144	SMAD7 deficiency stimulates Müller progenitor cell proliferation during the development of the mammalian retina. <i>Histochemistry and Cell Biology</i> , 2017, 148, 21-32.	1.7	9

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145	A possible effect of montelukast on neurological aging examined by the use of register data. <i>International Journal of Clinical Pharmacy</i> , 2020, 43, 541-548.	2.1	9
146	Differential acute impact of therapeutically effective and overdose concentrations of lithium on human neuronal single cell and network function. <i>Translational Psychiatry</i> , 2021, 11, 281.	4.8	9
147	Serum Levels of Glial Fibrillary Acidic Protein and Neurofilament Light Protein Are Related to the Neurological Impairment and Spinal Edema after Traumatic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 3431-3439.	3.4	9
148	Cysteinyl leukotriene receptor 1 modulates autophagic activity in retinal pigment epithelial cells. <i>Scientific Reports</i> , 2020, 10, 17659.	3.3	8
149	Mitotic impairment by doublecortin is diminished by doublecortin mutations found in patients. <i>Neurogenetics</i> , 2004, 5, 83-93.	1.4	7
150	Routine Blood Chemistry Predicts Functional Recovery After Traumatic Spinal Cord Injury: A Post Hoc Analysis. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 321-333.	2.9	7
151	Neuroregenerative Potential of Prenyl- and Pyranochalcones: A Structure-Activity Study. <i>Journal of Natural Products</i> , 2021, 84, 2675-2682.	3.0	7
152	Inhibition of the cysteinyl leukotriene pathways increases survival of RGCs and reduces microglial activation in ocular hypertension. <i>Experimental Eye Research</i> , 2021, 213, 108806.	2.6	7
153	Dimethylsulfoxide Inhibits Oligodendrocyte Fate Choice of Adult Neural Stem and Progenitor Cells. <i>Frontiers in Neuroscience</i> , 2019, 13, 1242.	2.8	6
154	Editorial: The Vascular Niche in Tissue Repair: A Therapeutic Target for Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 88.	3.7	5
155	Retinal Pericytes: Characterization of Vascular Development-Dependent Induction Time Points in an Inducible NG2 Reporter Mouse Model. <i>Current Eye Research</i> , 2018, 43, 1274-1285.	1.5	5
156	Impaired TGF- β 2 induced growth inhibition contributes to the increased proliferation rate of neural stem cells harboring mutant p53. <i>American Journal of Cancer Research</i> , 2015, 5, 3436-45.	1.4	5
157	Leukotriene Signaling as a Target in β -Synucleinopathies. <i>Biomolecules</i> , 2022, 12, 346.	4.0	5
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