

Dieter Chichung Lie

List of Publications by Year in descending order

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77
papers

9,721
citations

66343

42
h-index

79698

73
g-index

85
all docs

85
docs citations

85
times ranked

12019
citing authors

#	ARTICLE	IF	CITATIONS
1	Wnt signalling regulates adult hippocampal neurogenesis. <i>Nature</i> , 2005, 437, 1370-1375.	27.8	1,363
2	Wnt-mediated activation of NeuroD1 and retro-elements during adult neurogenesis. <i>Nature Neuroscience</i> , 2009, 12, 1097-1105.	14.8	584
3	Neurogenesis in the Adult Brain: New Strategies for Central Nervous System Diseases. <i>Annual Review of Pharmacology and Toxicology</i> , 2004, 44, 399-421.	9.4	567
4	Dentate gyrus-specific knockdown of adult neurogenesis impairs spatial and object recognition memory in adult rats. <i>Learning and Memory</i> , 2009, 16, 147-154.	1.3	562
5	Signaling through BMPRIIA Regulates Quiescence and Long-Term Activity of Neural Stem Cells in the Adult Hippocampus. <i>Cell Stem Cell</i> , 2010, 7, 78-89.	11.1	417
6	The Adult Substantia Nigra Contains Progenitor Cells with Neurogenic Potential. <i>Journal of Neuroscience</i> , 2002, 22, 6639-6649.	3.6	408
7	Expression and function of orphan nuclear receptor TLX in adult neural stem cells. <i>Nature</i> , 2004, 427, 78-83.	27.8	368
8	In Vivo Fate Mapping and Expression Analysis Reveals Molecular Hallmarks of Prospectively Isolated Adult Neural Stem Cells. <i>Cell Stem Cell</i> , 2010, 7, 744-758.	11.1	337
9	Cell fusion-independent differentiation of neural stem cells to the endothelial lineage. <i>Nature</i> , 2004, 430, 350-356.	27.8	331
10	GABA-cAMP Response Element-Binding Protein Signaling Regulates Maturation and Survival of Newly Generated Neurons in the Adult Hippocampus. <i>Journal of Neuroscience</i> , 2009, 29, 7966-7977.	3.6	299
11	RBPJ ² -Dependent Signaling Is Essential for Long-Term Maintenance of Neural Stem Cells in the Adult Hippocampus. <i>Journal of Neuroscience</i> , 2010, 30, 13794-13807.	3.6	294
12	Reprogramming of Pericyte-Derived Cells of the Adult Human Brain into Induced Neuronal Cells. <i>Cell Stem Cell</i> , 2012, 11, 471-476.	11.1	282
13	Retinoic acid is required early during adult neurogenesis in the dentate gyrus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3902-3907.	7.1	226
14	Role of Mitochondrial Metabolism in the Control of Early Lineage Progression and Aging Phenotypes in Adult Hippocampal Neurogenesis. <i>Neuron</i> , 2017, 93, 560-573.e6.	8.1	221
15	Oligodendroglial and neurogenic adult subependymal zone neural stem cells constitute distinct lineages and exhibit differential responsiveness to Wnt signalling. <i>Nature Cell Biology</i> , 2013, 15, 602-613.	10.3	211
16	The BAF Complex Interacts with Pax6 in Adult Neural Progenitors to Establish a Neurogenic Cross-Regulatory Transcriptional Network. <i>Cell Stem Cell</i> , 2013, 13, 403-418.	11.1	196
17	Autophagy inhibition promotes SNCA/alpha-synuclein release and transfer via extracellular vesicles with a hybrid autophagosome-exosome-like phenotype. <i>Autophagy</i> , 2018, 14, 98-119.	9.1	193
18	Prospero-related homeobox 1 gene (Prox1) is regulated by canonical Wnt signaling and has a stage-specific role in adult hippocampal neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5807-5812.	7.1	170

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19	CREB in adult neurogenesis â€œ master and partner in the development of adultâ€™born neurons?. European Journal of Neuroscience, 2011, 33, 1078-1086.	2.6	148
20	Human Wild-Type β -Synuclein Impairs Neurogenesis. Journal of Neuro pathology and Experimental Neurology, 2004, 63, 1155-1166.	1.7	143
21	SoxC Transcription Factors Are Required for Neuronal Differentiation in Adult Hippocampal Neurogenesis. Journal of Neuroscience, 2012, 32, 3067-3080.	3.6	140
22	Structural and functional rejuvenation of the aged brain by an approved anti-asthmatic drug. Nature Communications, 2015, 6, 8466.	12.8	139
23	Cdk5 Regulates Accurate Maturation of Newborn Granule Cells in the Adult Hippocampus. PLoS Biology, 2008, 6, e272.	5.6	112
24	FoxO Function Is Essential for Maintenance of Autophagic Flux and Neuronal Morphogenesis in Adult Neurogenesis. Neuron, 2018, 99, 1188-1203.e6.	8.1	107
25	Mutant β -synuclein exacerbates age-related decrease of neurogenesis. Neurobiology of Aging, 2008, 29, 913-925.	3.1	106
26	Mitochondria Modify Exercise-Induced Development of Stem Cell-Derived Neurons in the Adult Brain. Journal of Neuroscience, 2014, 34, 6624-6633.	3.6	104
27	Heterogeneity of Radial Glia-Like Cells in the Adult Hippocampus. Stem Cells, 2016, 34, 997-1010.	3.2	103
28	Expression of Sox11 in adult neurogenic niches suggests a stageâ€™specific role in adult neurogenesis. European Journal of Neuroscience, 2009, 29, 2103-2114.	2.6	97
29	Telomere shortening reduces Alzheimerâ€™s disease amyloid pathology in mice. Brain, 2011, 134, 2044-2056.	7.6	90
30	CREB signalling regulates early survival, neuronal gene expression and morphological development in adult subventricular zone neurogenesis. Molecular and Cellular Neurosciences, 2011, 46, 79-88.	2.2	87
31	Aberrant Neurogenesis After Stroke. Stroke, 2012, 43, 2468-2475.	2.0	79
32	Wnt signaling and neural stem cells: caught in the Wnt web. Cell and Tissue Research, 2008, 331, 193-210.	2.9	75
33	Epigenetic regulation of neurogenesis in the adult hippocampus. Heredity, 2010, 105, 122-134.	2.6	70
34	Survival and differentiation of adult rat-derived neural progenitor cells transplanted to the striatum of hemiparkinsonian rats. Experimental Neurology, 2003, 183, 653-664.	4.1	67
35	New regulators in adult neurogenesis and their potential role for repair. Trends in Molecular Medicine, 2006, 12, 400-405.	6.7	62
36	Mitochondrial Dysfunction in Astrocytes Impairs the Generation of Reactive Astrocytes and Enhances Neuronal Cell Death in the Cortex Upon Photothrombotic Lesion. Frontiers in Molecular Neuroscience, 2019, 12, 40.	2.9	58

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37	Ephrin-B1 Controls the Columnar Distribution of Cortical Pyramidal Neurons by Restricting Their Tangential Migration. <i>Neuron</i> , 2013, 79, 1123-1135.	8.1	57
38	Transcription-Factor-Dependent Control of Adult Hippocampal Neurogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a018879.	5.5	55
39	GDNF expression is increased in denervated human skeletal muscle. <i>Neuroscience Letters</i> , 1998, 250, 87-90.	2.1	53
40	Voluntary wheel running in mice increases the rate of neurogenesis without affecting anxiety-related behaviour in single tests. <i>BMC Neuroscience</i> , 2012, 13, 61.	1.9	53
41	The Cyclin-Dependent Kinase Inhibitor p27kip1 Regulates Radial Stem Cell Quiescence and Neurogenesis in the Adult Hippocampus. <i>Stem Cells</i> , 2015, 33, 219-229.	3.2	53
42	Analysis of the expression pattern of the schizophrenia-risk and intellectual disability gene TCF4 in the developing and adult brain suggests a role in development and plasticity of cortical and hippocampal neurons. <i>Molecular Autism</i> , 2018, 9, 20.	4.9	45
43	SoxC transcription factors: multifunctional regulators of neurodevelopment. <i>Cell and Tissue Research</i> , 2018, 371, 91-103.	2.9	44
44	CNTF and its receptor subunits in human gliomas. <i>Journal of Neuro-Oncology</i> , 1999, 44, 243-253.	2.9	42
45	BMP and WNT signalling cooperate through LEF1 in the neuronal specification of adult hippocampal neural stem and progenitor cells. <i>Scientific Reports</i> , 2018, 8, 9241.	3.3	37
46	In Vivo Targeting of Adult Neural Stem Cells in the Dentate Gyrus by Split-Cre Approach. <i>Stem Cell Reports</i> , 2014, 2, 153-162.	4.8	35
47	Increased Expression of CNTF Receptor β in Denervated Human Skeletal Muscle. <i>Journal of Neuropathology and Experimental Neurology</i> , 1998, 57, 850-857.	1.7	32
48	Stem cell maintenance in the adult mammalian hippocampus: A matter of signal integration?. <i>Developmental Neurobiology</i> , 2012, 72, 1006-1015.	3.0	31
49	Transcription factor Tcf4 is the preferred heterodimerization partner for Olig2 in oligodendrocytes and required for differentiation. <i>Nucleic Acids Research</i> , 2020, 48, 4839-4857.	14.5	31
50	Alternative mRNA Splicing of the Novel GTPase Rab28 Generates Isoforms with Different C-Termini. <i>FEBS Journal</i> , 1996, 237, 833-840.	0.2	29
51	Sonic Hedgehog Facilitates Dopamine Differentiation in the Presence of a Mesencephalic Glial Cell Line. <i>Journal of Neuroscience</i> , 2001, 21, 4326-4335.	3.6	29
52	Tideglusib Rescues Neurite Pathology of SPG11 iPSC Derived Cortical Neurons. <i>Frontiers in Neuroscience</i> , 2018, 12, 914.	2.8	21
53	β -catenin signaling modulates the tempo of dendritic growth of adult-born hippocampal neurons. <i>EMBO Journal</i> , 2020, 39, e104472.	7.8	21
54	Crybb2 coding for β 2-crystallin affects sensorimotor gating and hippocampal function. <i>Mammalian Genome</i> , 2013, 24, 333-348.	2.2	20

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55	Phosphorylation Modulates the Subcellular Localization of SOX11. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 211.	2.9	20
56	Evidence that Doublecortin Is Dispensable for the Development of Adult Born Neurons in Mice. <i>PLoS ONE</i> , 2013, 8, e62693.	2.5	17
57	RNA interference machinery-mediated gene regulation in mouse adult neural stem cells. <i>BMC Neuroscience</i> , 2015, 16, 60.	1.9	16
58	A novel human stem cell model for Coffin-Siris syndrome-like syndrome reveals the importance of SOX11 dosage for neuronal differentiation and survival. <i>Human Molecular Genetics</i> , 2019, 28, 2589-2599.	2.9	16
59	Review: Cellular repair strategies in Parkinson's disease. <i>Therapeutic Advances in Neurological Disorders</i> , 2009, 2, 51-60.	3.5	15
60	p27kip1 Is Required for Functionally Relevant Adult Hippocampal Neurogenesis in Mice. <i>Stem Cells</i> , 2017, 35, 787-799.	3.2	11
61	Phosphorylation of the neurogenic transcription factor SOX11 on serine 133 modulates neuronal morphogenesis. <i>Scientific Reports</i> , 2018, 8, 16196.	3.3	10
62	Impact of Swiprosin-1/Efhd2 on Adult Hippocampal Neurogenesis. <i>Stem Cell Reports</i> , 2018, 10, 347-355.	4.8	8
63	scRNA sequencing uncovers a TCF4-dependent transcription factor network regulating commissure development in mouse. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	8
64	Enriched environment ameliorates adult hippocampal neurogenesis deficits in Tcf4 haploinsufficient mice. <i>BMC Neuroscience</i> , 2020, 21, 50.	1.9	7
65	Sox11 is an Activity-Regulated Gene with Dentate-Gyrus-Specific Expression Upon General Neural Activation. <i>Cerebral Cortex</i> , 2020, 30, 3731-3743.	2.9	7
66	Differential vulnerability of adult neurogenic niches to dosage of the neurodevelopmental-disorder linked gene Foxg1. <i>Molecular Psychiatry</i> , 2023, 28, 497-514.	7.9	6
67	Metabolic regulation of adult stem cell-derived neurons. <i>Frontiers in Biology</i> , 2015, 10, 107-116.	0.7	5
68	Regulation of Adult Neurogenesis 2.0 – Beyond Signaling Pathways and Transcriptional Regulators. <i>Brain Plasticity</i> , 2017, 3, 1-3.	3.5	5
69	The transcription factor prospero homeobox protein 1 is a direct target of SoxC proteins during developmental vertebrate neurogenesis. <i>Journal of Neurochemistry</i> , 2018, 146, 251-268.	3.9	4
70	Dynamic, Transient, and Robust Increase in the Innervation of the Inflamed Mucosa in Inflammatory Bowel Diseases. <i>Cells</i> , 2021, 10, 2253.	4.1	4
71	CRISPR/Cas9 mediated generation of human ARID1B heterozygous knockout hESC lines to model Coffin-Siris syndrome. <i>Stem Cell Research</i> , 2020, 47, 101889.	0.7	3
72	MicroRNA - a contributor to age-associated neural stem cell dysfunction?. <i>Aging</i> , 2011, 3, 182-183.	3.1	1

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73	Harnessing Endogenous Stem Cells for Central Nervous System Repair. , 2005, , 387-xvi.		0
74	In Vivo Fate Mapping and Expression Analysis Reveals Molecular Hallmarks of Prospectively Isolated Adult Neural Stem Cells. Cell Stem Cell, 2011, 8, 119.	11.1	0
75	DFG-Graduiertenkolleg 2162. E-Neuroforum, 2016, 22, 98-99.	0.1	0
76	Cellular and Molecular Regulation. , 2016, , 41-55.		0
77	Molecular regulation of adult hippocampal neurogenesis. Journal of Stem Cells and Regenerative Medicine, 2007, 2, 49.	2.2	0