

# 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	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
2	scRNA sequencing uncovers a TCF4-dependent transcription factor network regulating commissure development in mouse. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	8
3	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
4	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
5	Enriched environment ameliorates adult hippocampal neurogenesis deficits in Tcf4 haploinsufficient mice. <i>BMC Neuroscience</i> , 2020, 21, 50.	1.9	7
6	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
7	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
8	Wnt/PCP signaling modulates the tempo of dendritic growth of adult-born hippocampal neurons. <i>EMBO Journal</i> , 2020, 39, e104472.	7.8	21
9	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
10	Mitochondrial Dysfunction in Astrocytes Impairs the Generation of Reactive Astrocytes and Enhances Neuronal Cell Death in the Cortex Upon Photothrombotic Lesion. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 40.	2.9	58
11	Impact of Swiprosin-1/Efhd2 on Adult Hippocampal Neurogenesis. <i>Stem Cell Reports</i> , 2018, 10, 347-355.	4.8	8
12	SoxC transcription factors: multifunctional regulators of neurodevelopment. <i>Cell and Tissue Research</i> , 2018, 371, 91-103.	2.9	44
13	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
14	Tideglusib Rescues Neurite Pathology of SPG11 iPSC Derived Cortical Neurons. <i>Frontiers in Neuroscience</i> , 2018, 12, 914.	2.8	21
15	Phosphorylation of the neurogenic transcription factor SOX11 on serine 133 modulates neuronal morphogenesis. <i>Scientific Reports</i> , 2018, 8, 16196.	3.3	10
16	FoxO Function Is Essential for Maintenance of Autophagic Flux and Neuronal Morphogenesis in Adult Neurogenesis. <i>Neuron</i> , 2018, 99, 1188-1203.e6.	8.1	107
17	Phosphorylation Modulates the Subcellular Localization of SOX11. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 211.	2.9	20
18	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

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19	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
20	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
21	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
22	p27kip1 Is Required for Functionally Relevant Adult Hippocampal Neurogenesis in Mice. <i>Stem Cells</i> , 2017, 35, 787-799.	3.2	11
23	Regulation of Adult Neurogenesis 2.0 – Beyond Signaling Pathways and Transcriptional Regulators. <i>Brain Plasticity</i> , 2017, 3, 1-3.	3.5	5
24	DFG-Graduiertenkolleg 2162. <i>E-Neuroforum</i> , 2016, 22, 98-99.	0.1	0
25	Heterogeneity of Radial Glia-Like Cells in the Adult Hippocampus. <i>Stem Cells</i> , 2016, 34, 997-1010.	3.2	103
26	Cellular and Molecular Regulation. , 2016, , 41-55.		0
27	RNA interference machinery-mediated gene regulation in mouse adult neural stem cells. <i>BMC Neuroscience</i> , 2015, 16, 60.	1.9	16
28	Metabolic regulation of adult stem cell-derived neurons. <i>Frontiers in Biology</i> , 2015, 10, 107-116.	0.7	5
29	Transcription-Factor-Dependent Control of Adult Hippocampal Neurogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a018879.	5.5	55
30	Structural and functional rejuvenation of the aged brain by an approved anti-asthmatic drug. <i>Nature Communications</i> , 2015, 6, 8466.	12.8	139
31	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
32	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
33	Mitochondria Modify Exercise-Induced Development of Stem Cell-Derived Neurons in the Adult Brain. <i>Journal of Neuroscience</i> , 2014, 34, 6624-6633.	3.6	104
34	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
35	Crybb2 coding for $\beta$ 2-crystallin affects sensorimotor gating and hippocampal function. <i>Mammalian Genome</i> , 2013, 24, 333-348.	2.2	20
36	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

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37	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
38	Evidence that Doublecortin Is Dispensable for the Development of Adult Born Neurons in Mice. <i>PLoS ONE</i> , 2013, 8, e62693.	2.5	17
39	SoxC Transcription Factors Are Required for Neuronal Differentiation in Adult Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2012, 32, 3067-3080.	3.6	140
40	Aberrant Neurogenesis After Stroke. <i>Stroke</i> , 2012, 43, 2468-2475.	2.0	79
41	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
42	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
43	Stem cell maintenance in the adult mammalian hippocampus: A matter of signal integration?. <i>Developmental Neurobiology</i> , 2012, 72, 1006-1015.	3.0	31
44	CREB signalling regulates early survival, neuronal gene expression and morphological development in adult subventricular zone neurogenesis. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 79-88.	2.2	87
45	In Vivo Fate Mapping and Expression Analysis Reveals Molecular Hallmarks of Prospectively Isolated Adult Neural Stem Cells. <i>Cell Stem Cell</i> , 2011, 8, 119.	11.1	0
46	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
47	CREB in adult neurogenesis – master and partner in the development of adult-born neurons?. <i>European Journal of Neuroscience</i> , 2011, 33, 1078-1086.	2.6	148
48	Telomere shortening reduces Alzheimer's disease amyloid pathology in mice. <i>Brain</i> , 2011, 134, 2044-2056.	7.6	90
49	MicroRNA - a contributor to age-associated neural stem cell dysfunction?. <i>Aging</i> , 2011, 3, 182-183.	3.1	1
50	Epigenetic regulation of neurogenesis in the adult hippocampus. <i>Heredity</i> , 2010, 105, 122-134.	2.6	70
51	RBPJ <sup>2</sup> -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
52	Signaling through BMPRII 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
53	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
54	Review: Cellular repair strategies in Parkinson's disease. <i>Therapeutic Advances in Neurological Disorders</i> , 2009, 2, 51-60.	3.5	15

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55	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
56	Wnt-mediated activation of NeuroD1 and retro-elements during adult neurogenesis. <i>Nature Neuroscience</i> , 2009, 12, 1097-1105.	14.8	584
57	Expression of Sox11 in adult neurogenic niches suggests a stage-specific role in adult neurogenesis. <i>European Journal of Neuroscience</i> , 2009, 29, 2103-2114.	2.6	97
58	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
59	Wnt signaling and neural stem cells: caught in the Wnt web. <i>Cell and Tissue Research</i> , 2008, 331, 193-210.	2.9	75
60	Mutant $\beta$ -synuclein exacerbates age-related decrease of neurogenesis. <i>Neurobiology of Aging</i> , 2008, 29, 913-925.	3.1	106
61	Cdk5 Regulates Accurate Maturation of Newborn Granule Cells in the Adult Hippocampus. <i>PLoS Biology</i> , 2008, 6, e272.	5.6	112
62	Molecular regulation of adult hippocampal neurogenesis. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2007, 2, 49.	2.2	0
63	New regulators in adult neurogenesis and their potential role for repair. <i>Trends in Molecular Medicine</i> , 2006, 12, 400-405.	6.7	62
64	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
65	Wnt signalling regulates adult hippocampal neurogenesis. <i>Nature</i> , 2005, 437, 1370-1375.	27.8	1,363
66	Harnessing Endogenous Stem Cells for Central Nervous System Repair. , 2005, , 387-xvi.		0
67	Expression and function of orphan nuclear receptor TLX in adult neural stem cells. <i>Nature</i> , 2004, 427, 78-83.	27.8	368
68	Cell fusion-independent differentiation of neural stem cells to the endothelial lineage. <i>Nature</i> , 2004, 430, 350-356.	27.8	331
69	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
70	Human Wild-Type $\beta$ -Synuclein Impairs Neurogenesis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2004, 63, 1155-1166.	1.7	143
71	Survival and differentiation of adult rat-derived neural progenitor cells transplanted to the striatum of hemiparkinsonian rats. <i>Experimental Neurology</i> , 2003, 183, 653-664.	4.1	67
72	The Adult Substantia Nigra Contains Progenitor Cells with Neurogenic Potential. <i>Journal of Neuroscience</i> , 2002, 22, 6639-6649.	3.6	408

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73	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
74	CNTF and its receptor subunits in human gliomas. <i>Journal of Neuro-Oncology</i> , 1999, 44, 243-253.	2.9	42
75	GDNF expression is increased in denervated human skeletal muscle. <i>Neuroscience Letters</i> , 1998, 250, 87-90.	2.1	53
76	Increased Expression of CNTF Receptor $\alpha$ in Denervated Human Skeletal Muscle. <i>Journal of Neuro-pathology and Experimental Neurology</i> , 1998, 57, 850-857.	1.7	32
77	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