

Daniel A Lim

List of Publications by Year in descending order

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85
papers

17,232
citations

50170

46
h-index

69108

77
g-index

89
all docs

89
docs citations

89
times ranked

21146
citing authors

#	ARTICLE	IF	CITATIONS
1	Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain. <i>Cell</i> , 1999, 97, 703-716.	13.5	3,557
2	For the Long Run. <i>Neuron</i> , 2004, 41, 683-686.	3.8	1,241
3	Noggin Antagonizes BMP Signaling to Create a Niche for Adult Neurogenesis. <i>Neuron</i> , 2000, 28, 713-726.	3.8	999
4	miR-124 and miR-137 inhibit proliferation of glioblastoma multiforme cells and induce differentiation of brain tumor stem cells. <i>BMC Medicine</i> , 2008, 6, 14.	2.3	819
5	Spatiotemporal gene expression trajectories reveal developmental hierarchies of the human cortex. <i>Science</i> , 2017, 358, 1318-1323.	6.0	717
6	Molecular Identity of Human Outer Radial Glia during Cortical Development. <i>Cell</i> , 2015, 163, 55-67.	13.5	698
7	CRISPRi-based genome-scale identification of functional long noncoding RNA loci in human cells. <i>Science</i> , 2017, 355, .	6.0	566
8	Sonic hedgehog controls stem cell behavior in the postnatal and adult brain. <i>Development (Cambridge)</i> , 2005, 132, 335-344.	1.2	539
9	Single-cell profiling of human gliomas reveals macrophage ontogeny as a basis for regional differences in macrophage activation in the tumor microenvironment. <i>Genome Biology</i> , 2017, 18, 234.	3.8	448
10	Architecture and cell types of the adult subventricular zone: In search of the stem cells. , 1998, 36, 234-248.		434
11	The Adult Ventricularâ€“Subventricular Zone (V-SVZ) and Olfactory Bulb (OB) Neurogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a018820.	2.3	431
12	Promoter of lncRNA Gene PVT1 Is a Tumor-Suppressor DNA Boundary Element. <i>Cell</i> , 2018, 173, 1398-1412.e22.	13.5	362
13	Multipotent Neural Stem Cells Reside into the Rostral Extension and Olfactory Bulb of Adult Rodents. <i>Journal of Neuroscience</i> , 2002, 22, 437-445.	1.7	358
14	Chromatin remodelling factor Mll1 is essential for neurogenesis from postnatal neural stem cells. <i>Nature</i> , 2009, 458, 529-533.	13.7	356
15	Relationship of glioblastoma multiforme to neural stem cell regions predicts invasive and multifocal tumor phenotype. <i>Neuro-Oncology</i> , 2007, 9, 424-429.	0.6	354
16	Long noncoding RNAs in cancer metastasis. <i>Nature Reviews Cancer</i> , 2021, 21, 446-460.	12.8	342
17	Interaction between astrocytes and adult subventricular zone precursors stimulates neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 7526-7531.	3.3	325
18	Single-cell analysis of long non-coding RNAs in the developing human neocortex. <i>Genome Biology</i> , 2016, 17, 67.	3.8	295

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19	The Long Noncoding RNA Pnky Regulates Neuronal Differentiation of Embryonic and Postnatal Neural Stem Cells. <i>Cell Stem Cell</i> , 2015, 16, 439-447.	5.2	294
20	The E1 protein of bovine papilloma virus 1 is an ATP-dependent DNA helicase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 5086-5090.	3.3	274
21	Neural Stem Cell Engraftment and Myelination in the Human Brain. <i>Science Translational Medicine</i> , 2012, 4, 155ra137.	5.8	238
22	Integration of Genome-wide Approaches Identifies lncRNAs of Adult Neural Stem Cells and Their Progeny In Vivo. <i>Cell Stem Cell</i> , 2013, 12, 616-628.	5.2	224
23	Asymmetry-Defective Oligodendrocyte Progenitors Are Glioma Precursors. <i>Cancer Cell</i> , 2011, 20, 328-340.	7.7	200
24	A relationship between behavior, neurotrophin expression, and new neuron survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 8584-8589.	3.3	191
25	Oscillations in sensorimotor cortex in movement disorders: an electrocorticography study. <i>Brain</i> , 2012, 135, 615-630.	3.7	156
26	Prefrontal-Subthalamic Hyperdirect Pathway Modulates Movement Inhibition in Humans. <i>Neuron</i> , 2020, 106, 579-588.e3.	3.8	148
27	Adult neural stem cells stake their ground. <i>Trends in Neurosciences</i> , 2014, 37, 563-571.	4.2	145
28	Safety and feasibility of switching from phenytoin to levetiracetam monotherapy for glioma-related seizure control following craniotomy: a randomized phase II pilot study. <i>Journal of Neuro-Oncology</i> , 2009, 93, 349-354.	1.4	131
29	A single-cell atlas of the normal and malformed human brain vasculature. <i>Science</i> , 2022, 375, eabi7377.	6.0	129
30	Intracerebroventricular Delivery as a Safe, Long-Term Route of Drug Administration. <i>Pediatric Neurology</i> , 2017, 67, 23-35.	1.0	117
31	Activation of Neuronal Gene Expression by the JMJD3 Demethylase Is Required for Postnatal and Adult Brain Neurogenesis. <i>Cell Reports</i> , 2014, 8, 1290-1299.	2.9	116
32	DNA hybridization to mismatched templates: A chip study. <i>Physical Review E</i> , 2002, 65, 040902.	0.8	107
33	Telomerase activity in the subventricular zone of adult mice. <i>Molecular and Cellular Neurosciences</i> , 2003, 23, 693-702.	1.0	101
34	Postnatal mouse subventricular zone neuronal precursors can migrate and differentiate within multiple levels of the developing neuraxis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 14832-14836.	3.3	98
35	Single-cell sequencing maps gene expression to mutational phylogenies in PDGF- and EGF-driven gliomas. <i>Molecular Systems Biology</i> , 2016, 12, 889.	3.2	91
36	Forging our understanding of lncRNAs in the brain. <i>Cell and Tissue Research</i> , 2018, 371, 55-71.	1.5	91

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37	Normalization, bias correction, and peak calling for ChIP-seq. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2012, 11, Article 9.	0.2	90
38	CONICS integrates scRNA-seq with DNA sequencing to map gene expression to tumor sub-clones. <i>Bioinformatics</i> , 2018, 34, 3217-3219.	1.8	87
39	The Adult Neural Stem Cell Niche: Lessons for Future Neural Cell Replacement Strategies. <i>Neurosurgery Clinics of North America</i> , 2007, 18, 81-92.	0.8	85
40	CRISPRi-based radiation modifier screen identifies long non-coding RNA therapeutic targets in glioma. <i>Genome Biology</i> , 2020, 21, 83.	3.8	76
41	A Review of Percutaneous Treatments for Trigeminal Neuralgia. <i>Operative Neurosurgery</i> , 2014, 10, 25-33.	0.4	71
42	In vivo transcriptional profile analysis reveals RNA splicing and chromatin remodeling as prominent processes for adult neurogenesis. <i>Molecular and Cellular Neurosciences</i> , 2006, 31, 131-148.	1.0	68
43	Single-cell analysis of the ventricular-subventricular zone reveals signatures of dorsal and ventral adult neurogenesis. <i>ELife</i> , 2021, 10, .	2.8	62
44	Distinct and separable roles for EZH2 in neurogenic astroglia. <i>ELife</i> , 2014, 3, e02439.	2.8	60
45	Uncovering the roles of long noncoding RNAs in neural development and glioma progression. <i>Neuroscience Letters</i> , 2016, 625, 70-79.	1.0	57
46	Modulating the expression of long non-coding RNAs for functional studies. <i>EMBO Reports</i> , 2018, 19, .	2.0	57
47	Multiple Target Deep Brain Stimulation for Multiple Sclerosis Related and Poststroke Holmesâ€™ Tremor. <i>Stereotactic and Functional Neurosurgery</i> , 2007, 85, 144-149.	0.8	56
48	Multiplatform genomic profiling and magnetic resonance imaging identify mechanisms underlying intratumor heterogeneity in meningioma. <i>Nature Communications</i> , 2020, 11, 4803.	5.8	56
49	The Long Noncoding RNA Pnky Is a Trans-acting Regulator of Cortical Development In Vivo. <i>Developmental Cell</i> , 2019, 49, 632-642.e7.	3.1	52
50	SCell: integrated analysis of single-cell RNA-seq data. <i>Bioinformatics</i> , 2016, 32, 2219-2220.	1.8	50
51	An Old Drug for New Ideas: Metformin Promotes Adult Neurogenesis and Spatial Memory Formation. <i>Cell Stem Cell</i> , 2012, 11, 5-6.	5.2	49
52	Best practices for the use of intracerebroventricular drug delivery devices. <i>Molecular Genetics and Metabolism</i> , 2018, 124, 184-188.	0.5	44
53	Devices for cell transplantation into the central nervous system: Design considerations and emerging technologies. , 2013, 4, 22.		41
54	Embryonic Nkx2.1-expressing neural precursor cells contribute to the regional heterogeneity of adult Vâ€™SVZ neural stem cells. <i>Developmental Biology</i> , 2015, 407, 265-274.	0.9	35

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55	Long-Term Safety, Immunologic Response, and Imaging Outcomes following Neural Stem Cell Transplantation for Pelizaeus-Merzbacher Disease. <i>Stem Cell Reports</i> , 2019, 13, 254-261.	2.3	34
56	Unique Organization of the Nuclear Envelope in the Post-natal Quiescent Neural Stem Cells. <i>Stem Cell Reports</i> , 2017, 9, 203-216.	2.3	32
57	Competition for DNA Binding Sites between the Short and Long Forms of E2 Dimers Underlies Repression in Bovine Papillomavirus Type 1 DNA Replication Control. <i>Journal of Virology</i> , 1998, 72, 1931-1940.	1.5	30
58	Distinct nuclear compartment-associated genome architecture in the developing mammalian brain. <i>Nature Neuroscience</i> , 2021, 24, 1235-1242.	7.1	28
59	Chromatin-based epigenetics of adult subventricular zone neural stem cells. <i>Frontiers in Genetics</i> , 2013, 4, 194.	1.1	27
60	Fitness effects of CRISPR/Cas9-targeting of long noncoding RNA genes. <i>Nature Biotechnology</i> , 2020, 38, 573-576.	9.4	27
61	Radially Branched Deployment for More Efficient Cell Transplantation at the Scale of the Human Brain. <i>Stereotactic and Functional Neurosurgery</i> , 2013, 91, 92-103.	0.8	25
62	Maintenance of neural stem cell positional identity by <i>mixed-lineage leukemia 1</i> . <i>Science</i> , 2020, 368, 48-53.	6.0	24
63	Analysis of Mll1 Deficiency Identifies Neurogenic Transcriptional Modules and Brn4 as a Factor for Direct Astrocyte-to-Neuron Reprogramming. <i>Neurosurgery</i> , 2014, 75, 472-482.	0.6	22
64	The <i>Ink4a/Arf</i> Locus Is a Barrier to Direct Neuronal Transdifferentiation. <i>Journal of Neuroscience</i> , 2014, 34, 12560-12567.	1.7	19
65	Investigating the use of primary adult subventricular zone neural precursor cells for neuronal replacement therapies. <i>Brain Research Bulletin</i> , 2002, 57, 759-764.	1.4	18
66	Combining cell transplants or gene therapy with deep brain stimulation for Parkinson's disease. <i>Movement Disorders</i> , 2015, 30, 190-195.	2.2	18
67	miRNA-independent function of long noncoding pri-miRNA loci. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
68	An ingredient for the elixir of youth. <i>Cell Research</i> , 2014, 24, 1381-1382.	5.7	16
69	Interventional Magnetic Resonance Imaging-guided Cell Transplantation Into the Brain With Radially Branched Deployment. <i>Molecular Therapy</i> , 2015, 23, 119-129.	3.7	16
70	Novel Treatment Strategies for Malignant Gliomas Using Neural Stem Cells. <i>Neurotherapeutics</i> , 2009, 6, 458-464.	2.1	14
71	Merging DBS with viral vector or stem cell implantation: "hybrid" stereotactic surgery as an evolution in the surgical treatment of Parkinson's disease. <i>Molecular Therapy - Methods and Clinical Development</i> , 2016, 3, 15051.	1.8	14
72	Maintenance of Positional Identity of Neural Progenitors in the Embryonic and Postnatal Telencephalon. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 373.	1.4	10

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73	Glial Nature of Adult Neural Stem Cells: Neurogenic Competence in Adult Astrocytes. , 2012, , 149-172.		10
74	CT and MRI Image Fusion Error: An Analysis of Co-Registration Error Using Commercially Available Deep Brain Stimulation Surgical Planning Software. Stereotactic and Functional Neurosurgery, 2021, 99, 196-202.	0.8	9
75	Keeping Them Quiet: BMPs Maintain Adult Neural Stem Cell Quiescence. Cell Stem Cell, 2010, 7, 9-10.	5.2	6
76	Maintenance of neural stem cell regional identity in culture. Neurogenesis (Austin, Tex), 2016, 3, e1187321.	1.5	6
77	Genome-Scale Perturbation of Long Noncoding RNA Expression Using CRISPR Interference. Methods in Molecular Biology, 2021, 2254, 323-338.	0.4	5
78	Future Directions: Use of Interventional MRI for Cell-Based Therapy of Parkinson Disease. Neurosurgery Clinics of North America, 2009, 20, 225-232.	0.8	4
79	Thalamotomy-Like Effects From Partial Removal of a Ventral Intermediate Nucleus Deep Brain Stimulator Lead in a Patient With Essential Tremor. Neurosurgery, 2015, 77, E831-E837.	0.6	4
80	Transcriptional and epigenetic insights from stem cells and developing tissues. Development (Cambridge), 2015, 142, 2549-2553.	1.2	3
81	Stem Cell Epigenetics: Looking Forward. Cell Stem Cell, 2014, 14, 706-709.	5.2	1
82	Stem Cell Transplantation for Neurological Disease: Technical Considerations and Delivery Devices. , 2019, , 351-364.		1
83	Lumbar Spine Coccidioidomycosis Osteomyelitis Requiring Lumbo-Pelvic Reconstruction. Neurosurgery Quarterly, 2007, 17, 156-160.	0.1	0
84	Preface. Neurosurgery Clinics of North America, 2009, 20, xi.	0.8	0
85	In Reply: Thalamotomy-Like Effects from Partial Removal of a Ventral Intermediate Nucleus Deep Brain Stimulator Lead in a Patient With Essential Tremor. Neurosurgery, 2017, 80, E256-E256.	0.6	0