Daniel A Lim

List of Publications by Year
in descending order

85 papers	17,232 citations	47006 47 h-index	66911 78 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. Cell, 1999, 97, 703-716.	28.9	3,557
2	For the Long Run. Neuron, 2004, 41, 683-686.	8.1	1,241
3	Noggin Antagonizes BMP Signaling to Create a Niche for Adult Neurogenesis. Neuron, 2000, 28, 713-726.	8.1	999
4	miR-124 and miR-137 inhibit proliferation of glioblastoma multiforme cells and induce differentiation of brain tumor stem cells. BMC Medicine, 2008, 6, 14.	5.5	819
5	Spatiotemporal gene expression trajectories reveal developmental hierarchies of the human cortex. Science, 2017, 358, 1318-1323.	12.6	717
6	Molecular Identity of Human Outer Radial Glia during Cortical Development. Cell, 2015, 163, 55-67.	28.9	698
7	CRISPRi-based genome-scale identification of functional long noncoding RNA loci in human cells. Science, 2017, 355, .	12.6	566
8	Sonic hedgehog controls stem cell behavior in the postnatal and adult brain. Development (Cambridge), 2005, 132, 335-344.	2.5	539
9	Single-cell profiling of human gliomas reveals macrophage ontogeny as a basis for regional differences in macrophage activation in the tumor microenvironment. Genome Biology, 2017, 18, 234.	8.8	448
10	Architecture and cell types of the adult subventricular zone: In search of the stem cells. Journal of Neurobiology, 1998, 36, 234-248.	3.6	434
11	The Adult Ventricularâ€“Subventricular Zone (V-SVZ) and Olfactory Bulb (OB) Neurogenesis. Cold Spring Harbor Perspectives in Biology, 2016, 8, a018820.	5.5	431
12	Promoter of lncRNA Gene PVT1 Is a Tumor-Suppressor DNA Boundary Element. Cell, 2018, 173, 1398-1412.e22.	28.9	362
13	Multipotent Neural Stem Cells Reside into the Rostral Extension and Olfactory Bulb of Adult Rodents. Journal of Neuroscience, 2002, 22, 437-445.	3.6	358
14	Chromatin remodelling factor Mll1 is essential for neurogenesis from postnatal neural stem cells. Nature, 2009, 458, 529-533.	27.8	356
15	Relationship of glioblastoma multiforme to neural stem cell regions predicts invasive and multifocal tumor phenotype. Neuro-Oncology, 2007, 9, 424-429.	1.2	354
16	Long noncoding RNAs in cancer metastasis. Nature Reviews Cancer, 2021, 21, 446-460.	28.4	342
17	Interaction between astrocytes and adult subventricular zone precursors stimulates neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7526-7531.	7.1	325
18	Single-cell analysis of long non-coding RNAs in the developing human neocortex. Genome Biology, 2016, 17, 67.	8.8	295

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19	The Long Noncoding RNA Pnky Regulates Neuronal Differentiation of Embryonic and Postnatal Neural Stem Cells. Cell Stem Cell, 2015, 16, 439-447.	11.1	294
20	The E1 protein of bovine papilloma virus 1 is an ATP-dependent DNA helicase.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 5086-5090.	7.1	274
21	Neural Stem Cell Engraftment and Myelination in the Human Brain. Science Translational Medicine, 2012, 4, 155ra137.	12.4	238
22	Integration of Genome-wide Approaches Identifies lncRNAs of Adult Neural Stem Cells and Their Progeny InÂVivo. Cell Stem Cell, 2013, 12, 616-628.	11.1	224
23	Asymmetry-Defective Oligodendrocyte Progenitors Are Glioma Precursors. Cancer Cell, 2011, 20, 328-340.	16.8	200
24	A relationship between behavior, neurotrophin expression, and new neuron survival. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8584-8589.	7.1	191
25	Oscillations in sensorimotor cortex in movement disorders: an electrocorticography study. Brain, 2012, 135, 615-630.	7.6	156
26	Prefrontal-Subthalamic Hyperdirect Pathway Modulates Movement Inhibition in Humans. Neuron, 2020, 106, 579-588.e3.	8.1	148
27	Adult neural stem cells stake their ground. Trends in Neurosciences, 2014, 37, 563-571.	8.6	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. Journal of Neuro-Oncology, 2009, 93, 349-354.	2.9	131
29	A single-cell atlas of the normal and malformed human brain vasculature. Science, 2022, 375, eabi7377.	12.6	129
30	Intracerebroventricular Delivery as a Safe, Long-Term Route of Drug Administration. Pediatric Neurology, 2017, 67, 23-35.	2.1	117
31	Activation of Neuronal Gene Expression by the JMJD3 Demethylase Is Required for Postnatal and Adult Brain Neurogenesis. Cell Reports, 2014, 8, 1290-1299.	6.4	116
32	DNA hybridization to mismatched templates: A chip study. Physical Review E, 2002, 65, 040902.	2.1	107
33	Telomerase activity in the subventricular zone of adult mice. Molecular and Cellular Neurosciences, 2003, 23, 693-702.	2.2	101
34	Postnatal mouse subventricular zone neuronal precursors can migrate and differentiate within multiple levels of the developingâ€‰neuraxis. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 14832-14836.	7.1	98
35	Singleâ€cell sequencing maps gene expression to mutational phylogenies in <scp>PDGF</scp> â€and <scp>EGF</scp> â€driven gliomas. Molecular Systems Biology, 2016, 12, 889.	7.2	91
36	Forging our understanding of lncRNAs in the brain. Cell and Tissue Research, 2018, 371, 55-71.	2.9	91

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37	Normalization, bias correction, and peak calling for ChIP-seq. Statistical Applications in Genetics and Molecular Biology, 2012, 11, Article 9.	0.6	90
38	CONICS integrates scRNA-seq with DNA sequencing to map gene expression to tumor sub-clones. Bioinformatics, 2018, 34, 3217-3219.	4.1	87
39	The Adult Neural Stem Cell Niche: Lessons for Future Neural Cell Replacement Strategies. Neurosurgery Clinics of North America, 2007, 18, 81-92.	1.7	85
40	CRISPRi-based radiation modifier screen identifies long non-coding RNA therapeutic targets in glioma. Genome Biology, 2020, 21, 83.	8.8	76
41	A Review of Percutaneous Treatments for Trigeminal Neuralgia. Operative Neurosurgery, 2014, 10, 25-33.	0.8	71
42	In vivo transcriptional profile analysis reveals RNA splicing and chromatin remodeling as prominent processes for adult neurogenesis. Molecular and Cellular Neurosciences, 2006, 31, 131-148.	2.2	68
43	Single-cell analysis of the ventricular-subventricular zone reveals signatures of dorsal and ventral adult neurogenesis. ELife, 2021, 10, .	6.0	62
44	Distinct and separable roles for EZH2 in neurogenic astroglia. ELife, 2014, 3, e02439.	6.0	60
45	Uncovering the roles of long noncoding RNAs in neural development and glioma progression. Neuroscience Letters, 2016, 625, 70-79.	2.1	57
46	Modulating the expression of long nonâ€coding <scp>RNA</scp> s for functional studies. EMBO Reports, 2018, 19, .	4.5	57
47	Multiple Target Deep Brain Stimulation for Multiple Sclerosis Related and Poststroke Holmesâ€™ Tremor. Stereotactic and Functional Neurosurgery, 2007, 85, 144-149.	1.5	56
48	Multiplatform genomic profiling and magnetic resonance imaging identify mechanisms underlying intratumor heterogeneity in meningioma. Nature Communications, 2020, 11, 4803.	12.8	56
49	The Long Noncoding RNA Pnky Is a Trans-acting Regulator of Cortical Development InÂVivo. Developmental Cell, 2019, 49, 632-642.e7.	7.0	52
50	SCell: integrated analysis of single-cell RNA-seq data. Bioinformatics, 2016, 32, 2219-2220.	4.1	50
51	An Old Drug for New Ideas: Metformin Promotes Adult Neurogenesis and Spatial Memory Formation. Cell Stem Cell, 2012, 11, 5-6.	11.1	49
52	Best practices for the use of intracerebroventricular drug delivery devices. Molecular Genetics and Metabolism, 2018, 124, 184-188.	1.1	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. Developmental Biology, 2015, 407, 265-274.	2.0	35

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55	Long-Term Safety, Immunologic Response, and Imaging Outcomes following Neural Stem Cell Transplantation for Pelizaeus-Merzbacher Disease. Stem Cell Reports, 2019, 13, 254-261.	4.8	34
56	Unique Organization of the Nuclear Envelope in the Post-natal Quiescent Neural Stem Cells. Stem Cell Reports, 2017, 9, 203-216.	4.8	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. Journal of Virology, 1998, 72, 1931-1940.	3.4	30
58	Distinct nuclear compartment-associated genome architecture in the developing mammalian brain. Nature Neuroscience, 2021, 24, 1235-1242.	14.8	28
59	Chromatin-based epigenetics of adult subventricular zone neural stem cells. Frontiers in Genetics, 2013, 4, 194.	2.3	27
60	Fitness effects of CRISPR/Cas9-targeting of long noncoding RNA genes. Nature Biotechnology, 2020, 38, 573-576.	17.5	27
61	Radially Branched Deployment for More Efficient Cell Transplantation at the Scale of the Human Brain. Stereotactic and Functional Neurosurgery, 2013, 91, 92-103.	1.5	25
62	Maintenance of neural stem cell positional identity by mixed-lineage leukemia 1. Science, 2020, 368, 48-53.	12.6	24
63	Analysis of Mll1 Deficiency Identifies Neurogenic Transcriptional Modules and Brn4 as a Factor for Direct Astrocyte-to-Neuron Reprogramming. Neurosurgery, 2014, 75, 472-482.	1.1	22
64	TheInk4a/ArfLocus Is a Barrier to Direct Neuronal Transdifferentiation. Journal of Neuroscience, 2014, 34, 12560-12567.	3.6	19
65	Investigating the use of primary adult subventricular zone neural precursor cells for neuronal replacement therapies. Brain Research Bulletin, 2002, 57, 759-764.	3.0	18
66	Combining cell transplants or gene therapy with deep brain stimulation for Parkinson's disease. Movement Disorders, 2015, 30, 190-195.	3.9	18
67	miRNA-independent function of long noncoding pri-miRNA loci. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
68	An ingredient for the elixir of youth. Cell Research, 2014, 24, 1381-1382.	12.0	16
69	Interventional Magnetic Resonance Imaging-guided Cell Transplantation Into the Brain With Radially Branched Deployment. Molecular Therapy, 2015, 23, 119-129.	8.2	16
70	Novel Treatment Strategies for Malignant Gliomas Using Neural Stem Cells. Neurotherapeutics, 2009, 6, 458-464.	4.4	14
71	Merging DBS with viral vector or stem cell implantation: â€œhybridâ€•stereotactic surgery as an evolution in the surgical treatment of Parkinson's disease. Molecular Therapy - Methods and Clinical Development, 2016, 3, 15051.	4.1	14
72	Maintenance of Positional Identity of Neural Progenitors in the Embryonic and Postnatal Telencephalon. Frontiers in Molecular Neuroscience, 2017, 10, 373.	2.9	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.	1.5	9
75	Keeping Them Quiet: BMPs Maintain Adult Neural Stem Cell Quiescence. Cell Stem Cell, 2010, 7, 9-10.	11.1	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.	0.9	5
78	Future Directions: Use of Interventional MRI for Cell-Based Therapy of Parkinson Disease. Neurosurgery Clinics of North America, 2009, 20, 225-232.	1.7	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.	1.1	4
80	Transcriptional and epigenetic insights from stem cells and developing tissues. Development (Cambridge), 2015, 142, 2549-2553.	2.5	3
81	Stem Cell Epigenetics: Looking Forward. Cell Stem Cell, 2014, 14, 706-709.	11.1	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.	1.7	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.	1.1	0