

# 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	A single-cell atlas of the normal and malformed human brain vasculature. <i>Science</i> , 2022, 375, eabi7377.	6.0	129
2	CT and MRI Image Fusion Error: An Analysis of Co-Registration Error Using Commercially Available Deep Brain Stimulation Surgical Planning Software. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 196-202.	0.8	9
3	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
4	Long noncoding RNAs in cancer metastasis. <i>Nature Reviews Cancer</i> , 2021, 21, 446-460.	12.8	342
5	Distinct nuclear compartment-associated genome architecture in the developing mammalian brain. <i>Nature Neuroscience</i> , 2021, 24, 1235-1242.	7.1	28
6	Single-cell analysis of the ventricular-subventricular zone reveals signatures of dorsal and ventral adult neurogenesis. <i>ELife</i> , 2021, 10, .	2.8	62
7	Genome-Scale Perturbation of Long Noncoding RNA Expression Using CRISPR Interference. <i>Methods in Molecular Biology</i> , 2021, 2254, 323-338.	0.4	5
8	Multiplatform genomic profiling and magnetic resonance imaging identify mechanisms underlying intratumor heterogeneity in meningioma. <i>Nature Communications</i> , 2020, 11, 4803.	5.8	56
9	Prefrontal-Subthalamic Hyperdirect Pathway Modulates Movement Inhibition in Humans. <i>Neuron</i> , 2020, 106, 579-588.e3.	3.8	148
10	Maintenance of neural stem cell positional identity by <i>mixed-lineage leukemia 1</i> . <i>Science</i> , 2020, 368, 48-53.	6.0	24
11	Fitness effects of CRISPR/Cas9-targeting of long noncoding RNA genes. <i>Nature Biotechnology</i> , 2020, 38, 573-576.	9.4	27
12	CRISPRi-based radiation modifier screen identifies long non-coding RNA therapeutic targets in glioma. <i>Genome Biology</i> , 2020, 21, 83.	3.8	76
13	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
14	Stem Cell Transplantation for Neurological Disease: Technical Considerations and Delivery Devices. , 2019, , 351-364.		1
15	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
16	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
17	Promoter of lncRNA Gene PVT1 Is a Tumor-Suppressor DNA Boundary Element. <i>Cell</i> , 2018, 173, 1398-1412.e22.	13.5	362
18	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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19	Modulating the expression of long non-coding RNAs for functional studies. EMBO Reports, 2018, 19, .	2.0	57
20	Best practices for the use of intracerebroventricular drug delivery devices. Molecular Genetics and Metabolism, 2018, 124, 184-188.	0.5	44
21	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
22	CRISPRi-based genome-scale identification of functional long noncoding RNA loci in human cells. Science, 2017, 355, .	6.0	566
23	Spatiotemporal gene expression trajectories reveal developmental hierarchies of the human cortex. Science, 2017, 358, 1318-1323.	6.0	717
24	Unique Organization of the Nuclear Envelope in the Post-natal Quiescent Neural Stem Cells. Stem Cell Reports, 2017, 9, 203-216.	2.3	32
25	Intracerebroventricular Delivery as a Safe, Long-Term Route of Drug Administration. Pediatric Neurology, 2017, 67, 23-35.	1.0	117
26	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.	3.8	448
27	Maintenance of Positional Identity of Neural Progenitors in the Embryonic and Postnatal Telencephalon. Frontiers in Molecular Neuroscience, 2017, 10, 373.	1.4	10
28	Merging DBS with viral vector or stem cell implantation: a hybrid stereotactic surgery as an evolution in the surgical treatment of Parkinson's disease. Molecular Therapy - Methods and Clinical Development, 2016, 3, 15051.	1.8	14
29	Single-cell sequencing maps gene expression to mutational phylogenies in PDGF- and EGF-driven gliomas. Molecular Systems Biology, 2016, 12, 889.	3.2	91
30	Maintenance of neural stem cell regional identity in culture. Neurogenesis (Austin, Tex ), 2016, 3, e1187321.	1.5	6
31	The Adult Ventricular Subventricular Zone (V-SVZ) and Olfactory Bulb (OB) Neurogenesis. Cold Spring Harbor Perspectives in Biology, 2016, 8, a018820.	2.3	431
32	Single-cell analysis of long non-coding RNAs in the developing human neocortex. Genome Biology, 2016, 17, 67.	3.8	295
33	SCell: integrated analysis of single-cell RNA-seq data. Bioinformatics, 2016, 32, 2219-2220.	1.8	50
34	Uncovering the roles of long noncoding RNAs in neural development and glioma progression. Neuroscience Letters, 2016, 625, 70-79.	1.0	57
35	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
36	Transcriptional and epigenetic insights from stem cells and developing tissues. Development (Cambridge), 2015, 142, 2549-2553.	1.2	3

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37	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
38	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
39	Molecular Identity of Human Outer Radial Glia during Cortical Development. <i>Cell</i> , 2015, 163, 55-67.	13.5	698
40	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
41	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
42	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
43	An ingredient for the elixir of youth. <i>Cell Research</i> , 2014, 24, 1381-1382.	5.7	16
44	A Review of Percutaneous Treatments for Trigeminal Neuralgia. <i>Operative Neurosurgery</i> , 2014, 10, 25-33.	0.4	71
45	Adult neural stem cells stake their ground. <i>Trends in Neurosciences</i> , 2014, 37, 563-571.	4.2	145
46	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
47	Stem Cell Epigenetics: Looking Forward. <i>Cell Stem Cell</i> , 2014, 14, 706-709.	5.2	1
48	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
49	Distinct and separable roles for EZH2 in neurogenic astroglia. <i>ELife</i> , 2014, 3, e02439.	2.8	60
50	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
51	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
52	Devices for cell transplantation into the central nervous system: Design considerations and emerging technologies. , 2013, 4, 22.		41
53	Chromatin-based epigenetics of adult subventricular zone neural stem cells. <i>Frontiers in Genetics</i> , 2013, 4, 194.	1.1	27
54	Oscillations in sensorimotor cortex in movement disorders: an electrocorticography study. <i>Brain</i> , 2012, 135, 615-630.	3.7	156

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55	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
56	Neural Stem Cell Engraftment and Myelination in the Human Brain. <i>Science Translational Medicine</i> , 2012, 4, 155ra137.	5.8	238
57	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
58	Glial Nature of Adult Neural Stem Cells: Neurogenic Competence in Adult Astrocytes. , 2012, , 149-172.		10
59	Asymmetry-Defective Oligodendrocyte Progenitors Are Glioma Precursors. <i>Cancer Cell</i> , 2011, 20, 328-340.	7.7	200
60	Keeping Them Quiet: BMPs Maintain Adult Neural Stem Cell Quiescence. <i>Cell Stem Cell</i> , 2010, 7, 9-10.	5.2	6
61	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
62	Chromatin remodelling factor Mll1 is essential for neurogenesis from postnatal neural stem cells. <i>Nature</i> , 2009, 458, 529-533.	13.7	356
63	Novel Treatment Strategies for Malignant Gliomas Using Neural Stem Cells. <i>Neurotherapeutics</i> , 2009, 6, 458-464.	2.1	14
64	Preface. <i>Neurosurgery Clinics of North America</i> , 2009, 20, xi.	0.8	0
65	Future Directions: Use of Interventional MRI for Cell-Based Therapy of Parkinson Disease. <i>Neurosurgery Clinics of North America</i> , 2009, 20, 225-232.	0.8	4
66	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
67	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
68	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
69	Lumbar Spine Coccidioidomycosis Osteomyelitis Requiring Lumbo-Pelvic Reconstruction. <i>Neurosurgery Quarterly</i> , 2007, 17, 156-160.	0.1	0
70	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
71	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
72	Sonic hedgehog controls stem cell behavior in the postnatal and adult brain. <i>Development (Cambridge)</i> , 2005, 132, 335-344.	1.2	539

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73	For the Long Run. <i>Neuron</i> , 2004, 41, 683-686.	3.8	1,241
74	Telomerase activity in the subventricular zone of adult mice. <i>Molecular and Cellular Neurosciences</i> , 2003, 23, 693-702.	1.0	101
75	DNA hybridization to mismatched templates: A chip study. <i>Physical Review E</i> , 2002, 65, 040902.	0.8	107
76	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
77	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
78	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
79	Noggin Antagonizes BMP Signaling to Create a Niche for Adult Neurogenesis. <i>Neuron</i> , 2000, 28, 713-726.	3.8	999
80	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
81	Subventricular Zone Astrocytes Are Neural Stem Cells in the Adult Mammalian Brain. <i>Cell</i> , 1999, 97, 703-716.	13.5	3,557
82	Architecture and cell types of the adult subventricular zone: In search of the stem cells. , 1998, 36, 234-248.		434
83	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
84	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
85	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