

Federico Calegari

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

5,256
citations

156536

32
h-index

139680

61
g-index

76
all docs

76
docs citations

76
times ranked

7448
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of biohybrid olfactory bulb on a high-density CMOS-chip to reveal large-scale spatiotemporal circuit information. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113834.	5.3	14
2	Tcf12 and NeuroD1 cooperatively drive neuronal migration during cortical development. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	11
3	A Nuclear Belt Fastens on Neural Cell Fate. <i>Cells</i> , 2022, 11, 1761.	1.8	5
4	Adult-born neurons promote cognitive flexibility by improving memory precision and indexing. <i>Hippocampus</i> , 2021, 31, 1068-1079.	0.9	20
5	<i>De novo</i> DNA methylation controls neuronal maturation during adult hippocampal neurogenesis. <i>EMBO Journal</i> , 2021, 40, e107100.	3.5	24
6	Increasing neurogenesis refines hippocampal activity rejuvenating navigational learning strategies and contextual memory throughout life. <i>Nature Communications</i> , 2020, 11, 135.	5.8	102
7	Phf21b imprints the spatiotemporal epigenetic switch essential for neural stem cell differentiation. <i>Genes and Development</i> , 2020, 34, 1190-1209.	2.7	9
8	A Highly Conserved Circular RNA Is Required to Keep Neural Cells in a Progenitor State in the Mammalian Brain. <i>Cell Reports</i> , 2020, 30, 2170-2179.e5.	2.9	53
9	MicroRNA profiling of mouse cortical progenitors and neurons reveals miR-486-5p as a regulator of neurogenesis. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	11
10	Repression of Irs2 by let-7 miRNA is essential for homeostasis of the telencephalic neuroepithelium. <i>EMBO Journal</i> , 2020, 39, e105479.	3.5	12
11	An increase in neural stem cells and olfactory bulb adult neurogenesis improves discrimination of highly similar odorants. <i>EMBO Journal</i> , 2019, 38, .	3.5	49
12	DOT1L promotes progenitor proliferation and primes neuronal layer identity in the developing cerebral cortex. <i>Nucleic Acids Research</i> , 2019, 47, 168-183.	6.5	49
13	Assessment and site-specific manipulation of DNA (hydroxy-)methylation during mouse corticogenesis. <i>Life Science Alliance</i> , 2019, 2, e201900331.	1.3	20
14	Sequence and expression levels of circular RNAs in progenitor cell types during mouse corticogenesis. <i>Life Science Alliance</i> , 2019, 2, e201900354.	1.3	10
15	Epitranscriptomics: A New Regulatory Mechanism of Brain Development and Function. <i>Frontiers in Neuroscience</i> , 2018, 12, 85.	1.4	27
16	Cyclin-Dependent Kinase-Dependent Phosphorylation of Sox2 at Serine 39 Regulates Neurogenesis. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	18
17	CPAP promotes timely cilium disassembly to maintain neural progenitor pool. <i>EMBO Journal</i> , 2016, 35, 803-819.	3.5	208
18	Neural Stem Cells. , 2016, , 169-208.		1

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19	SARA regulates neuronal migration during neocortical development through L1 trafficking. <i>Development (Cambridge)</i> , 2016, 143, 3143-53.	1.2	13
20	NeuroD1 reprograms chromatin and transcription factor landscapes to induce the neuronal program. <i>EMBO Journal</i> , 2016, 35, 24-45.	3.5	216
21	The evolution of basal progenitors in the developing non-mammalian brain. <i>Development (Cambridge)</i> , 2016, 143, 66-74.	1.2	40
22	Identification of Tox chromatin binding properties and downstream targets by DamID-Seq. <i>Genomics Data</i> , 2016, 7, 264-268.	1.3	5
23	Long non-coding RNA<sc>s in corticogenesis: deciphering the non-coding code of the brain. <i>EMBO Journal</i> , 2015, 34, 2865-2884.	3.5	71
24	Identification and expression patterns of novel long non-coding RNAs in neural progenitors of the developing mammalian cortex. <i>Neurogenesis (Austin, Tex)</i> , 2015, 2, e995524.	1.5	15
25	Tox: a multifunctional transcription factor and novel regulator of mammalian corticogenesis. <i>EMBO Journal</i> , 2015, 34, 896-910.	3.5	43
26	CCND1-CDK4-mediated cell cycle progression provides a competitive advantage for human hematopoietic stem cells in vivo. <i>Journal of Experimental Medicine</i> , 2015, 212, 1171-1183.	4.2	50
27	Cyclin D1 Again Caught in the Act: Dyrk1a Links G1 and Neurogenesis in Down Syndrome. <i>EBioMedicine</i> , 2015, 2, 96-97.	2.7	5
28	CCND1-CDK4-mediated cell cycle progression provides a competitive advantage for human hematopoietic stem cells in vivo. <i>Journal of Cell Biology</i> , 2015, 210, 2102OIA144.	2.3	0
29	Cell cycle activity of neural precursors in the diseased mammalian brain. <i>Frontiers in Neuroscience</i> , 2014, 8, 39.	1.4	10
30	Tossed out to save the masses. <i>Science</i> , 2014, 346, 1298-1299.	6.0	0
31	Efficient Transient Genetic Manipulation In Vitro and In Vivo by Prototype Foamy Virus-mediated Nonviral RNA Transfer. <i>Molecular Therapy</i> , 2014, 22, 1460-1471.	3.7	22
32	MicroRNA<sc>s meet epigenetics to make for better brains. <i>EMBO Reports</i> , 2014, 15, 1224-1225.	2.0	2
33	MicroRNAs Establish Robustness and Adaptability of a Critical Gene Network to Regulate Progenitor Fate Decisions during Cortical Neurogenesis. <i>Cell Reports</i> , 2014, 7, 1779-1788.	2.9	56
34	Mechanisms of brain evolution: Regulation of neural progenitor cell diversity and cell cycle length. <i>Neuroscience Research</i> , 2014, 86, 14-24.	1.0	69
35	Generation and characterization of Neurod1-CreER ^{T2} mouse lines for the study of embryonic and adult neurogenesis. <i>Genesis</i> , 2014, 52, 870-878.	0.8	18
36	Transcriptome sequencing during mouse brain development identifies long non-coding RNAs functionally involved in neurogenic commitment. <i>EMBO Journal</i> , 2013, 32, 3145-3160.	3.5	215

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37	Lentiviruses allow widespread and conditional manipulation of gene expression in the developing mouse brain. <i>Development (Cambridge)</i> , 2013, 140, 2818-2822.	1.2	11
38	Regulation of cerebral cortex size and folding by expansion of basal progenitors. <i>EMBO Journal</i> , 2013, 32, 1817-1828.	3.5	185
39	<i>Neural Stem Cells.</i> , 2013, , 297-335.		0
40	CyclinD2 at the edge: splitting up cell fate. <i>EMBO Journal</i> , 2012, 31, 1850-1852.	3.5	5
41	Bioelectric State and Cell Cycle Control of Mammalian Neural Stem Cells. <i>Stem Cells International</i> , 2012, 2012, 1-10.	1.2	27
42	Expansion of Embryonic and Adult Neural Stem Cells by In Utero&/em> Electroporation or Viral Stereotaxic Injection. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	16
43	Age-related cognitive decline: Can neural stem cells help us?. <i>Aging</i> , 2012, 4, 176-186.	1.4	68
44	Neural stem and progenitor cells shorten S-phase on commitment to neuron production. <i>Nature Communications</i> , 2011, 2, 154.	5.8	330
45	The H ⁺ Vacuolar ATPase Maintains Neural Stem Cells in the Developing Mouse Cortex. <i>Stem Cells and Development</i> , 2011, 20, 843-850.	1.1	78
46	Overexpression of cdk4 and cyclinD1 triggers greater expansion of neural stem cells in the adult mouse brain. <i>Journal of Experimental Medicine</i> , 2011, 208, 937-948.	4.2	109
47	<i>Neural Stem Cells.</i> , 2011, , 287-326.		0
48	Acute RNA Interference for Basic Research and Therapy. , 2011, , 1-16.		0
49	Overexpression of cdk4 and cyclinD1 triggers greater expansion of neural stem cells in the adult mouse brain. <i>Journal of Cell Biology</i> , 2011, 193, i5-i5.	2.3	0
50	Cell cycle control of mammalian neural stem cells: putting a speed limit on G1. <i>Trends in Cell Biology</i> , 2010, 20, 233-243.	3.6	246
51	Response to letter by Lenos and Tsaniklidou. <i>Trends in Cell Biology</i> , 2010, 20, 578.	3.6	1
52	Chromogranin B Gene Ablation Reduces the Catecholamine Cargo and Decelerates Exocytosis in Chromaffin Secretory Vesicles. <i>Journal of Neuroscience</i> , 2010, 30, 950-957.	1.7	51
53	Cdks and cyclins link G ₁ length and differentiation of embryonic, neural and hematopoietic stem cells. <i>Cell Cycle</i> , 2010, 9, 1893-1900.	1.3	164
54	Defective Secretion of Islet Hormones in Chromogranin-B Deficient Mice. <i>PLoS ONE</i> , 2010, 5, e8936.	1.1	61

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55	Autonomic Function in Hypertension. <i>Circulation: Cardiovascular Genetics</i> , 2009, 2, 46-56.	5.1	26
56	Myosin II is required for interkinetic nuclear migration of neural progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16487-16492.	3.3	142
57	Doxycycline-dependent photoactivated gene expression in eukaryotic systems. <i>Nature Methods</i> , 2009, 6, 527-531.	9.0	81
58	Cdk4/CyclinD1 Overexpression in Neural Stem Cells Shortens G1, Delays Neurogenesis, and Promotes the Generation and Expansion of Basal Progenitors. <i>Cell Stem Cell</i> , 2009, 5, 320-331.	5.2	490
59	Live Imaging at the Onset of Cortical Neurogenesis Reveals Differential Appearance of the Neuronal Phenotype in Apical versus Basal Progenitor Progeny. <i>PLoS ONE</i> , 2008, 3, e2388.	1.1	157
60	Single-cell detection of microRNAs in developing vertebrate embryos after acute administration of a dual-fluorescence reporter/sensor plasmid. <i>BioTechniques</i> , 2006, 41, 727-732.	0.8	71
61	RNA interference in postimplantation mouse embryos. , 2005, , 207-219.		0
62	Selective Lengthening of the Cell Cycle in the Neurogenic Subpopulation of Neural Progenitor Cells during Mouse Brain Development. <i>Journal of Neuroscience</i> , 2005, 25, 6533-6538.	1.7	351
63	Tissue-specific RNA interference in post-implantation mouse embryos using directional electroporation and whole embryo culture. <i>Differentiation</i> , 2004, 72, 92-102.	1.0	28
64	The neuroendocrine protein VGF is sorted into dense-core granules and is secreted apically by polarized rat thyroid epithelial cells. <i>Experimental Cell Research</i> , 2004, 295, 269-280.	1.2	10
65	Storage and Release of ATP from Astrocytes in Culture. <i>Journal of Biological Chemistry</i> , 2003, 278, 1354-1362.	1.6	441
66	An inhibition of cyclin-dependent kinases that lengthens, but does not arrest, neuroepithelial cell cycle induces premature neurogenesis. <i>Journal of Cell Science</i> , 2003, 116, 4947-4955.	1.2	315
67	Tissue-specific RNA interference in postimplantation mouse embryos with endoribonuclease-prepared short interfering RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14236-14240.	3.3	148
68	A Regulated Secretory Pathway in Cultured Hippocampal Astrocytes. <i>Journal of Biological Chemistry</i> , 1999, 274, 22539-22547.	1.6	142