Gonalo Castelo-Branco

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/8257369/goncalo-castelo-branco-publications-by-year.pdf
Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57 papers	6,392 citations	28 h-index	70 g-index
70 ext. papers	9,156 ext. citations	15.6 avg, IF	5.59 L-index

#	Paper	IF	Citations
57	Epigenomic priming of immune genes implicates oligodendroglia in multiple sclerosis susceptibility.. *Neuron*, **2022**,	13.9	1
56	Spatial-CUT&Tag: Spatially resolved chromatin modification profiling at the cellular level.. *Science*, **2022**, 375, 681-686	33.3	11
55	Cell-type specialization is encoded by specific chromatin topologies. *Nature*, **2021**, 599, 684-691	50.4	10
54	Crossing boundaries: Interplay between the immune system and oligodendrocyte lineage cells. *Seminars in Cell and Developmental Biology*, **2021**, 116, 45-52	7.5	4
53	Single-cell CUT&Tag profiles histone modifications and transcription factors in complex tissues. *Nature Biotechnology*, **2021**, 39, 825-835	44.5	48
52	Epigenetic regulation of oligodendrocyte differentiation: From development to demyelinating disorders. *Glia*, **2020**, 68, 1619-1630	9	7
51	Functionally distinct subgroups of oligodendrocyte precursor cells integrate neural activity and execute myelin formation. *Nature Neuroscience*, **2020**, 23, 363-374	25.5	58
50	RADICL-seq identifies general and cell type-specific principles of genome-wide RNA-chromatin interactions. *Nature Communications*, **2020**, 11, 1018	17.4	48
49	Distinct oligodendrocyte populations have spatial preference and different responses to spinal cord injury. *Nature Communications*, **2020**, 11, 5860	17.4	16
48	Gsta4 controls apoptosis of differentiating adult oligodendrocytes during homeostasis and remyelination via the mitochondria-associated Fas-Casp8-Bid-axis. *Nature Communications*, **2020**, 11, 4071	17.4	12
47	An Atlas of Vagal Sensory Neurons and Their Molecular Specialization. *Cell Reports*, **2019**, 27, 2508-2523.e4	8.46	122
46	Interaction of Sox2 with RNA binding proteins in mouse embryonic stem cells. *Experimental Cell Research*, **2019**, 381, 129-138	4.2	4
45	PAD2-Mediated Citrullination Contributes to Efficient Oligodendrocyte Differentiation and Myelination. *Cell Reports*, **2019**, 27, 1090-1102.e10	10.6	32
44	Ancestry Tracing: Uncovering a Gliomagenesis Master Regulator. *Cell Stem Cell*, **2019**, 24, 677-679	18	
43	Single-Cell RNA Sequencing of Oligodendrocyte Lineage Cells from the Mouse Central Nervous System. *Methods in Molecular Biology*, **2019**, 1936, 1-21	1.4	3
42	Oligodendrocyte Intrinsic miR-27a Controls Myelination and Remyelination. *Cell Reports*, **2019**, 29, 904-919.e9	10.6	22
41	Altered human oligodendrocyte heterogeneity in multiple sclerosis. *Nature*, **2019**, 566, 543-547	50.4	261

40	Transcriptional Convergence of Oligodendrocyte Lineage Progenitors during Development. *Developmental Cell*, **2018**, 46, 504-517.e7	10.2	104
39	RNA velocity of single cells. *Nature*, **2018**, 560, 494-498	50.4	1132
38	Birth, coming of age and death: The intriguing life of long noncoding RNAs. *Seminars in Cell and Developmental Biology*, **2018**, 79, 143-152	7.5	10
37	Disease-specific oligodendrocyte lineage cells arise in multiple sclerosis. *Nature Medicine*, **2018**, 24, 1837-1844	50.5	165
36	Single-cell transcriptomic analysis of oligodendrocyte lineage cells. *Current Opinion in Neurobiology*, **2017**, 47, 168-175	7.6	28
35	Oligodendrocyte heterogeneity in the mouse juvenile and adult central nervous system. *Science*, **2016**, 352, 1326-1329	33.3	497
34	Brain structure. Cell types in the mouse cortex and hippocampus revealed by single-cell RNA-seq. *Science*, **2015**, 347, 1138-42	33.3	1883
33	Citrullination regulates pluripotency and histone H1 binding to chromatin. *Nature*, **2014**, 507, 104-8	50.4	264
32	Neural stem cell differentiation is dictated by distinct actions of nuclear receptor corepressors and histone deacetylases. *Stem Cell Reports*, **2014**, 3, 502-15	8	45
31	Acute treatment with valproic acid and l-thyroxine ameliorates clinical signs of experimental autoimmune encephalomyelitis and prevents brain pathology in DA rats. *Neurobiology of Disease*, **2014**, 71, 220-33	7.5	27
30	The non-coding snRNA 7SK controls transcriptional termination, poising, and bidirectionality in embryonic stem cells. *Genome Biology*, **2013**, 14, R98	18.3	33
29	Erg channel is critical in controlling cell volume during cell cycle in embryonic stem cells. *PLoS ONE*, **2013**, 8, e72409	3.7	4
28	Positional differences of axon growth rates between sensory neurons encoded by Runx3. *EMBO Journal*, **2012**, 31, 3718-29	13	23
27	Nanog overcomes reprogramming barriers and induces pluripotency in minimal conditions. *Current Biology*, **2011**, 21, 65-71	6.3	142
26	Wnt2 regulates progenitor proliferation in the developing ventral midbrain. *Journal of Biological Chemistry*, **2010**, 285, 7246-53	5.4	54
25	Delayed dopaminergic neuron differentiation in Lrp6 mutant mice. *Developmental Dynamics*, **2010**, 239, 211-21	2.9	29
24	Histone H2AX-dependent GABA(A) receptor regulation of stem cell proliferation. *Nature*, **2008**, 451, 460-4	50.4	218
23	Subcellular receptor redistribution and enhanced microspike formation by a Ret receptor preferentially recruiting Dok. *Neuroscience Letters*, **2008**, 435, 11-6	3.3	6

22	In cultured oligodendrocytes the A/B-type hnRNP CBF-A accompanies MBP mRNA bound to mRNA trafficking sequences. *Molecular Biology of the Cell*, **2008**, 19, 3008-19	3.5	41
21	Wnt5a-treated midbrain neural stem cells improve dopamine cell replacement therapy in parkinsonian mice. *Journal of Clinical Investigation*, **2008**, 118, 149-60	15.9	128
20	Inhibition of JNK increases survival of transplanted dopamine neurons in Parkinsonian rats. *Cell Death and Differentiation*, **2007**, 14, 381-3	12.7	18
19	Dynamic temporal and cell type-specific expression of Wnt signaling components in the developing midbrain. *Experimental Cell Research*, **2006**, 312, 1626-36	4.2	43
18	Function of Wnts in dopaminergic neuron development. *Neurodegenerative Diseases*, **2006**, 3, 5-11	2.3	57
17	Ventral midbrain glia express region-specific transcription factors and regulate dopaminergic neurogenesis through Wnt-5a secretion. *Molecular and Cellular Neurosciences*, **2006**, 31, 251-62	4.8	85
16	BMPs, FGF8 and Wnts regulate the differentiation of locus coeruleus noradrenergic neuronal precursors. *Journal of Neurochemistry*, **2006**, 99, 343-52	6	13
15	Purified Wnt-5a increases differentiation of midbrain dopaminergic cells and dishevelled phosphorylation. *Journal of Neurochemistry*, **2005**, 92, 1550-3	6	103
14	GSK-3beta inhibition/beta-catenin stabilization in ventral midbrain precursors increases differentiation into dopamine neurons. *Journal of Cell Science*, **2004**, 117, 5731-7	5.3	118
13	Differential regulation of midbrain dopaminergic neuron development by Wnt-1, Wnt-3a, and Wnt-5a. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 12747-52	11.5	302
12	Persephin-overexpressing neural stem cells regulate the function of nigral dopaminergic neurons and prevent their degeneration in a model of Parkinson's disease. *Molecular and Cellular Neurosciences*, **2002**, 21, 205-22	4.8	51
11	Cell-type specific cis-eQTLs in eight brain cell-types identifies novel risk genes for human brain disorders		3
10	Gsta4 controls apoptosis of differentiating adult oligodendrocytes during homeostasis and remyelination via the mitochondria-associated Fas/Casp8/Bid-axis		1
9	Single-cell transcriptomic profiling of progenitors of the oligodendrocyte lineage reveals transcriptional convergence during development		4
8	Cell-type specialization in the brain is encoded by specific long-range chromatin topologies		3
7	Single-cell profiling of histone modifications in the mouse brain		9
6	PADI2-mediated citrullination is required for efficient oligodendrocyte differentiation and myelination		1
5	Distinct oligodendrocyte populations have spatial preference and injury-specific responses		2

List of Publications

4	Functionally Distinct Subgroups of Oligodendrocyte Precursor Cells Integrate Neural Activity and Execute Myelin Formation	2
3	Spatial cell type mapping of the oligodendrocyte lineage in the mouse juvenile and adult CNS with in situ sequencing	1
2	Spatial-ATAC-seq: spatially resolved chromatin accessibility profiling of tissues at genome scale and cellular level	3
1	Developmental landscape of human forebrain at a single-cell level unveils early waves of oligodendrogenesis	2