

Diogo S Castro

List of Publications by Year in descending order

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44
papers

5,496
citations

172457

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h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

7021
citing authors

#	ARTICLE	IF	CITATIONS
1	Proneural genes and the specification of neural cell types. <i>Nature Reviews Neuroscience</i> , 2002, 3, 517-530.	10.2	1,331
2	Hierarchical Mechanisms for Direct Reprogramming of Fibroblasts to Neurons. <i>Cell</i> , 2013, 155, 621-635.	28.9	531
3	A novel function of the proneural factor <i>Ascl1</i> in progenitor proliferation identified by genome-wide characterization of its targets. <i>Genes and Development</i> , 2011, 25, 930-945.	5.9	368
4	A positive autoregulatory loop of Jak-STAT signaling controls the onset of astrogliogenesis. <i>Nature Neuroscience</i> , 2005, 8, 616-625.	14.8	350
5	Induction of a midbrain dopaminergic phenotype in <i>Nurr1</i> -overexpressing neural stem cells by type 1 astrocytes. <i>Nature Biotechnology</i> , 1999, 17, 653-659.	17.5	344
6	Proneural bHLH and Brn Proteins Coregulate a Neurogenic Program through Cooperative Binding to a Conserved DNA Motif. <i>Developmental Cell</i> , 2006, 11, 831-844.	7.0	267
7	Neurogenin 2 controls cortical neuron migration through regulation of <i>Rnd2</i> . <i>Nature</i> , 2008, 455, 114-118.	27.8	249
8	Proneural Transcription Factors Regulate Different Steps of Cortical Neuron Migration through <i>Rnd</i> -Mediated Inhibition of RhoA Signaling. <i>Neuron</i> , 2011, 69, 1069-1084.	8.1	196
9	Coupling of cell migration with neurogenesis by proneural bHLH factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1319-1324.	7.1	195
10	<i>Ascl1</i> Coordinately Regulates Gene Expression and the Chromatin Landscape during Neurogenesis. <i>Cell Reports</i> , 2015, 10, 1544-1556.	6.4	169
11	<i>Nurr1</i> regulates dopamine synthesis and storage in MN9D dopamine cells. <i>Experimental Cell Research</i> , 2003, 288, 324-334.	2.6	146
12	Orphan Nuclear Receptor <i>Nurr1</i> Is Essential for Ret Expression in Midbrain Dopamine Neurons and in the Brain Stem. <i>Molecular and Cellular Neurosciences</i> , 2001, 18, 649-663.	2.2	125
13	Induction of Cell Cycle Arrest and Morphological Differentiation by <i>Nurr1</i> and Retinoids in Dopamine MN9D Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 43277-43284.	3.4	111
14	Characterization of the proneural gene regulatory network during mouse telencephalon development. <i>BMC Biology</i> , 2008, 6, 15.	3.8	95
15	A transcription factor network specifying inhibitory versus excitatory neurons in the dorsal spinal cord. <i>Development (Cambridge)</i> , 2014, 141, 2803-2812.	2.5	86
16	Retinoic Acid Receptor/Retinoid X Receptor Heterodimers Can Be Activated through Both Subunits Providing a Basis for Synergistic Transactivation and Cellular Differentiation. <i>Journal of Biological Chemistry</i> , 1997, 272, 9443-9449.	3.4	74
17	Activity of the <i>Nurr1</i> Carboxyl-terminal Domain Depends on Cell Type and Integrity of the Activation Function 2. <i>Journal of Biological Chemistry</i> , 1999, 274, 37483-37490.	3.4	68
18	Transcriptional control of vertebrate neurogenesis by the proneural factor <i>Ascl1</i> . <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 412.	3.7	65

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19	Characterization of the neural stem cell gene regulatory network identifies OLIG2 as a multifunctional regulator of self-renewal. <i>Genome Research</i> , 2015, 25, 41-56.	5.5	60
20	Zeb1 controls neuron differentiation and germinal zone exit by a mesenchymal-epithelial-like transition. <i>ELife</i> , 2016, 5, .	6.0	60
21	PAD2-Mediated Citrullination Contributes to Efficient Oligodendrocyte Differentiation and Myelination. <i>Cell Reports</i> , 2019, 27, 1090-1102.e10.	6.4	59
22	MyT1 Counteracts the Neural Progenitor Program to Promote Vertebrate Neurogenesis. <i>Cell Reports</i> , 2016, 17, 469-483.	6.4	56
23	Old and new functions of proneural factors revealed by the genome-wide characterization of their transcriptional targets. <i>Cell Cycle</i> , 2011, 10, 4026-4031.	2.6	51
24	Cenpj/CPAP regulates progenitor divisions and neuronal migration in the cerebral cortex downstream of Ascl1. <i>Nature Communications</i> , 2015, 6, 6474.	12.8	51
25	Insm1 (IA-1) is an essential component of the regulatory network that specifies monoaminergic neuronal phenotypes in the vertebrate hindbrain. <i>Development (Cambridge)</i> , 2009, 136, 2477-2485.	2.5	50
26	Zeb1 potentiates genome-wide gene transcription with Lef1 to promote glioblastoma cell invasion. <i>EMBO Journal</i> , 2018, 37, .	7.8	47
27	The Zinc Finger Transcription Factor RP58 Negatively Regulates Rnd2 for the Control of Neuronal Migration During Cerebral Cortical Development. <i>Cerebral Cortex</i> , 2015, 25, 806-816.	2.9	42
28	Conserved regulatory sequences in <i>Atoh7</i> mediate non-conserved regulatory responses in retina ontogenesis. <i>Development (Cambridge)</i> , 2009, 136, 3767-3777.	2.5	36
29	Defining an N-terminal activation domain of the orphan nuclear receptor Nurr1. <i>Biochemical and Biophysical Research Communications</i> , 2004, 313, 205-211.	2.1	31
30	Cadherin Expression and EMT: A Focus on Gliomas. <i>Biomedicines</i> , 2021, 9, 1328.	3.2	30
31	Engineering of Dominant Active Basic Helix-Loop-Helix Proteins That Are Resistant to Negative Regulation by Postnatal Central Nervous System Antineurogenic Cues. <i>Stem Cells</i> , 2009, 27, 847-856.	3.2	29
32	Proneural genes define ground-state rules to regulate neurogenic patterning and cortical folding. <i>Neuron</i> , 2021, 109, 2847-2863.e11.	8.1	26
33	TherMos: Estimating protein-DNA binding energies from in vivo binding profiles. <i>Nucleic Acids Research</i> , 2013, 41, 5555-5568.	14.5	20
34	A Zeb2-miR-200c loop controls midbrain dopaminergic neuron neurogenesis and migration. <i>Communications Biology</i> , 2018, 1, 75.	4.4	13
35	Expression at the Imprinted Dlk1-Ctl2 Locus Is Regulated by Proneural Genes in the Developing Telencephalon. <i>PLoS ONE</i> , 2012, 7, e48675.	2.5	12
36	Hierarchical reactivation of transcription during mitosis-to-G1 transition by Brn2 and Ascl1 in neural stem cells. <i>Genes and Development</i> , 2021, 35, 1020-1034.	5.9	11

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37	Paired related homeobox protein <i>Prxl1</i> controls its own expression by a transcriptional autorepression mechanism. <i>FEBS Letters</i> , 2014, 588, 3475-3482.	2.8	9
38	Function of Proneural Genes <i>Ascl1</i> and <i>Asense</i> in Neurogenesis: How Similar Are They?. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 838431.	3.7	8
39	A transcription factor network specifying inhibitory versus excitatory neurons in the dorsal spinal cord. <i>Development (Cambridge)</i> , 2014, 141, 3102-3102.	2.5	5
40	One more factor joins the plot: <i>Pbx1</i> regulates differentiation and survival of midbrain dopaminergic neurons. <i>EMBO Journal</i> , 2016, 35, 1957-1959.	7.8	4
41	<i>Tlx3</i> Exerts Direct Control in Specifying Excitatory Over Inhibitory Neurons in the Dorsal Spinal Cord. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 642697.	3.7	4
42	Chromatin Immunoprecipitation from Mouse Embryonic Tissue or Adherent Cells in Culture, Followed by Next-Generation Sequencing. <i>Methods in Molecular Biology</i> , 2018, 1689, 53-63.	0.9	2
43	Coordinating neuronal differentiation with repression of the progenitor program: Role of the transcription factor <i>MyT1</i> . <i>Neurogenesis (Austin, Tex)</i> , 2017, 4, e1329683.	1.5	2
44	Function and regulation of transcription factors during mitosis-to-G1 transition. <i>Open Biology</i> , 2022, 12, .	3.6	2