Patrick Charnay

List of Publications by Year
in descending order

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30 papers	3,967 citations	257357 24 h-index	454834 30 g-index
30 all docs	30 docs citations	30 times ranked	3283 citing authors

#	Article	IF	Citations
1	Cellular Origin, Tumor Progression, and Pathogenic Mechanisms of Cutaneous Neurofibromas Revealed by Mice withNf1Knockout in Boundary Cap Cells. Cancer Discovery, 2019, 9, 130-147.	7.7	57
2	Cooperation, cis-interactions, versatility and evolutionary plasticity of multiple cis-acting elements underlie krox20 hindbrain regulation. PLoS Genetics, 2018, 14, e1007581.	1.5	21
3	Krox20 hindbrain regulation incorporates multiple modes of cooperation between cis-acting elements. PLoS Genetics, 2017, 13, e1006903.	1.5	18
4	Prss56, a novel marker of adult neurogenesis in the mouse brain. Brain Structure and Function, 2016, 221, 4411-4427.	1.2	32
5	Molecular dissection of segment formation in the developing hindbrain. Development (Cambridge), 2015, 142, 185-195.	1.2	20
6	Boundary Caps Give Rise to Neurogenic Stem Cells and Terminal Glia in the Skin. Stem Cell Reports, 2015, 5, 278-290.	2.3	58
7	Ebf factors and MyoD cooperate to regulate muscle relaxation via Atp2a1. Nature Communications, 2014, 5, 3793.	5.8	36
8	Dissection of a Krox20 positive feedback loop driving cell fate choices in hindbrain patterning. Molecular Systems Biology, 2013, 9, 690.	3.2	29
9	Cthrc1 is a negative regulator of myelination in schwann cells. Glia, 2012, 60, 393-403.	2.5	12
10	Hindbrain patterning requires fine-tuning of early krox20 transcription by Sprouty 4. Development (Cambridge), 2011, 138, 317-326.	1.2	45
11	Dok4 is involved in Schwann cell myelination and axonal interaction in vitro. Glia, 2011, 59, 351-362.	2.5	11
12	Boundary cap cells are peripheral nervous system stem cells that can be redirected into central nervous system lineages. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10714-10719.	3.3	49
13	CNS/PNS Boundary Transgression by Central Glia in the Absence of Schwann Cells or Krox20/Egr2 Function. Journal of Neuroscience, 2010, 30, 5958-5967.	1.7	54
14	Novel features of boundary cap cells revealed by the analysis of newly identified molecular markers. Glia, 2009, 57, 1450-1457.	2.5	55
15	Rostral hindbrain patterning involves the direct activation of a Krox20 transcriptional enhancer by Hox/Pbx and Meis factors. Development (Cambridge), 2008, 135, 3369-3378.	1.2	34
16	Krox20 hindbrain cis-regulatory landscape: interplay between multiple long-range initiation and autoregulatory elements. Development (Cambridge), 2006, 133, 1253-1262.	1.2	39
17	PIASxÎ² acts as an activator of Hoxb1 and is antagonized by Krox20 during hindbrain segmentation. EMBO Journal, 2006, 25, 2432-2442.	3.5	19
18	Control of myelination in Schwann cells: a Krox20 cis â€regulatory element integrates Oct6, Brn2 and Sox10 activities. EMBO Reports, 2006, 7, 52-58.	2.0	153

#	Article	IF	Citations
19	Peripheral Myelin Maintenance Is a Dynamic Process Requiring Constant Krox20 Expression. Journal of Neuroscience, 2006, 26, 9771-9779.	1.7	145
20	Neural crest boundary cap cells constitute a source of neuronal and glial cells of the PNS. Nature Neuroscience, 2004, 7, 930-938.	7.1	227
21	Integrity of Developing Spinal Motor Columns Is Regulated by Neural Crest Derivatives at Motor Exit Points. Neuron, 2003, 37, 403-415.	3.8	119
22	Neurofibromas in NF1: Schwann Cell Origin and Role of Tumor Environment. Science, 2002, 296, 920-922.	6.0	568
23	Krox-20 patterns the hindbrain through both cell-autonomous and non cell-autonomous mechanisms. Genes and Development, 2001, 15, 567-580.	2.7	100
24	Hindbrain patterning:Krox20couples segmentation and specification of regional identity. Development (Cambridge), 2001, 128, 4967-4978.	1.2	85
25	Expression pattern of aKrox-20/Cre knock-in allele in the developing hindbrain, bones, and peripheral nervous system. Genesis, 2000, 26, 123-126.	0.8	151
26	Pattern of expression of the transcription factor Krox-20 in mouse hair follicle. Mechanisms of Development, 2000, 96, 215-218.	1.7	30
27	Krox-20 controls myelination in the peripheral nervous system. Nature, 1994, 371, 796-799.	13.7	731
28	Disruption of Krox-20 results in alteration of rhombomeres 3 and 5 in the developing hindbrain. Cell, 1993, 75, 1199-1214.	13.5	454
29	Zinc finger-DNA recognition: analysis of base specificity by site-directed mutagenesis. Nucleic Acids Research, 1992, 20, 4137-4144.	6.5	102
30	Segment-specific expression of a zinc-finger gene in the developing nervous system of the mouse. Nature, 1989, 337, 461-464.	13.7	513