Michel Cayouette

List of Publications by Year
in descending order

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50 papers	3,432 citations	236612 25 h-index	223531 46 g-index
63 all docs	63 docs citations	63 times ranked	3228 citing authors

#	Article	IF	Citations
1	How Variable Clones Build an Invariant Retina. Neuron, 2012, 75, 786-798.	3.8	217
2	Intraocular Gene Transfer of Ciliary Neurotrophic Factor Prevents Death and Increases Responsiveness of Rod Photoreceptors in the<i>retinal degeneration slow</i>mouse. Journal of Neuroscience, 1998, 18, 9282-9293.	1.7	208
3	Adenovirus-Mediated Gene Transfer of Ciliary Neurotrophic Factor Can Prevent Photoreceptor Degeneration in the Retinal Degeneration (<i>rd</i>) Mouse. Human Gene Therapy, 1997, 8, 423-430.	1.4	205
4	Ikaros Confers Early Temporal Competence to Mouse Retinal Progenitor Cells. Neuron, 2008, 60, 26-39.	3.8	193
5	Pigment Epithelium-Derived Factor Delays the Death of Photoreceptors in Mouse Models of Inherited Retinal Degenerations. Neurobiology of Disease, 1999, 6, 523-532.	2.1	192
6	In Vivo Time-Lapse Imaging of Cell Divisions during Neurogenesis in the Developing Zebrafish Retina. Neuron, 2003, 37, 597-609.	3.8	183
7	Asymmetric segregation of Numb: a mechanism for neural specification from Drosophila to mammals. Nature Neuroscience, 2002, 5, 1265-1269.	7.1	173
8	Importance of Intrinsic Mechanisms in Cell Fate Decisions in the Developing Rat Retina. Neuron, 2003, 40, 897-904.	3.8	166
9	Asymmetric Segregation of Numb in Retinal Development and the Influence of the Pigmented Epithelium. Journal of Neuroscience, 2001, 21, 5643-5651.	1.7	159
10	Reconstruction of rat retinal progenitor cell lineages in vitro reveals a surprising degree of stochasticity in cell fate decisions. Development (Cambridge), 2011, 138, 227-235.	1.2	139
11	The Polarity Protein Par-3 Directly Interacts with p75NTR to Regulate Myelination. Science, 2006, 314, 832-836.	6.0	135
12	A Conserved Regulatory Logic Controls Temporal Identity in Mouse Neural Progenitors. Neuron, 2015, 85, 497-504.	3.8	135
13	The orientation of cell division influences cell-fate choice in the developing mammalian retina. Development (Cambridge), 2003, 130, 2329-2339.	1.2	134
14	Mammalian Inscuteable Regulates Spindle Orientation and Cell Fate in the Developing Retina. Neuron, 2005, 48, 539-545.	3.8	123
15	Lineage in the vertebrate retina. Trends in Neurosciences, 2006, 29, 563-570.	4.2	117
16	Computational prediction of neural progenitor cell fates. Nature Methods, 2010, 7, 213-218.	9.0	108
17	Ikaros promotes early-born neuronal fates in the cerebral cortex. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E716-25.	3.3	99
18	A Molecular Blueprint at the Apical Surface Establishes Planar Asymmetry in Cochlear Hair Cells. Developmental Cell, 2013, 27, 88-102.	3.1	88

#	Article	IF	Citations
19	Msx1-Positive Progenitors in the Retinal Ciliary Margin Give Rise to Both Neural and Non-neural Progenies in Mammals. Developmental Cell, 2017, 40, 137-150.	3.1	70
20	Numb is Required for the Production of Terminal Asymmetric Cell Divisions in the Developing Mouse Retina. Journal of Neuroscience, 2012, 32, 17197-17210.	1.7	60
21	A link between planar polarity and staircase-like bundle architecture in hair cells. Development (Cambridge), 2016, 143, 3926-3932.	1.2	58
22	Development and disease of the photoreceptor cilium. Clinical Genetics, 2009, 76, 137-145.	1.0	53
23	Atoh7-independent specification of retinal ganglion cell identity. Science Advances, 2021, 7, .	4.7	41
24	Hsc70 chaperone activity underlies Trio GEF function in axon growth and guidance induced by netrin-1. Journal of Cell Biology, 2015, 210, 817-832.	2.3	34
25	Pou2f1 and Pou2f2 cooperate to control the timing of cone photoreceptor production in the developing mouse retina. Development (Cambridge), 2020, 147, .	1.2	34
26	SAPCD2 Controls Spindle Orientation and Asymmetric Divisions by Negatively Regulating the GÎ±i-LGN-NuMA Ternary Complex. Developmental Cell, 2016, 36, 50-62.	3.1	31
27	Numb Regulates the Polarized Delivery of Cyclic Nucleotide-Gated Ion Channels in Rod Photoreceptor Cilia. Journal of Neuroscience, 2014, 34, 13976-13987.	1.7	29
28	Melanopsin Retinal Ganglion Cells Regulate Cone Photoreceptor Lamination in the Mouse Retina. Cell Reports, 2018, 23, 2416-2428.	2.9	29
29	Casz1 controls higher-order nuclear organization in rod photoreceptors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7987-E7996.	3.3	29
30	Boc Acts via Numb as a Shh-Dependent Endocytic Platform for Ptch1 Internalization and Shh-Mediated Axon Guidance. Neuron, 2019, 102, 1157-1171.e5.	3.8	29
31	The CNTF/LIF signaling pathway regulates developmental programmed cell death and differentiation of rod precursor cells in the mouse retina in vivo. Developmental Biology, 2006, 300, 583-598.	0.9	24
32	Temporal Progression of Retinal Progenitor Cell Identity: Implications in Cell Replacement Therapies. Frontiers in Neural Circuits, 2017, 11, 105.	1.4	20
33	Cell lineage tracing in the retina: Could material transfer distort conclusions?. Developmental Dynamics, 2018, 247, 10-17.	0.8	20
34	A Casz1â€“NuRD complex regulates temporal identity transitions in neural progenitors. Scientific Reports, 2021, 11, 3858.	1.6	18
35	Mechanisms of temporal identity regulation in mouse retinal progenitor cells. Neurogenesis (Austin,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.5	15
36	The LGN protein promotes planar proliferative divisions in the neocortex but apicobasal asymmetric terminal divisions in the retina. Development (Cambridge), 2016, 143, 575-81.	1.2	14

#	Article	IF	Citations
37	The planar cell polarity protein <scp>V</scp>angl2 is required for retinal axon guidance. Developmental Neurobiology, 2016, 76, 150-165.	1.5	12
38	In vivo evidence for unbiased ikaros retinal lineages using an ikarosâ€cre mouse line driving clonal recombination. Developmental Dynamics, 2012, 241, 1973-1985.	0.8	10
39	Time to see: How temporal identity factors specify the developing mammalian retina. Seminars in Cell and Developmental Biology, 2023, 142, 36-42.	2.3	5
40	Progenitor Competence: Genes Switching Places. Cell, 2013, 152, 13-14.	13.5	3
41	Temporal Control of Neural Progenitors: TGF-Î² Switches the Clock Forward. Neuron, 2014, 84, 885-888.	3.8	3
42	Expanding Neuronal Layers by the Local Division of Committed Precursors. Neuron, 2007, 56, 575-577.	3.8	2
43	RA Gets Out of the Way to Allow High-Acuity Vision. Developmental Cell, 2017, 42, 3-5.	3.1	2
44	Retinal Explant Culture. Bio-protocol, 2014, 4, .	0.2	2
45	Dissociated Retinal Cell Culture. Bio-protocol, 2014, 4, .	0.2	2
46	Pigment Epithelium-Derived Factor (PEDF) in the Retina. , 1999, , 519-526.		1
47	Ben Barres (1954-2017). Development (Cambridge), 2018, 145, .	1.2	0
48	Transcriptional regulation of cone photoreceptor development. IBRO Reports, 2019, 6, S20-S21.	0.3	0
49	Retinal Cell and Tissue Culture. Springer Protocols, 2009, , 175-191.	0.1	0
50	Cell reprogramming: Nature does it too. Current Biology, 2021, 31, R1434-R1437.	1.8	0