Edward M Levine

List of Publications by Year
in descending order

46 papers	2,830 citations	218677 26 h-index	289244 40 g-index
51 all docs	51 docs citations	51 times ranked	2924 citing authors

#	Article	IF	Citations
1	Retinal remodeling triggered by photoreceptor degenerations. Journal of Comparative Neurology, 2003, 464, 1-16.	1.6	437
2	ASCL1 reprograms mouse MÃ¼ller glia into neurogenic retinal progenitors. Development (Cambridge), 2013, 140, 2619-2631.	2.5	209
3	Retinal pigment epithelium development, plasticity, and tissue homeostasis. Experimental Eye Research, 2014, 123, 141-150.	2.6	198
4	Sonic Hedgehog Promotes Rod Photoreceptor Differentiation in Mammalian Retinal CellsIn Vitro. Journal of Neuroscience, 1997, 17, 6277-6288.	3.6	187
5	p27Kip1 Regulates Cell Cycle Withdrawal of Late Multipotent Progenitor Cells in the Mammalian Retina. Developmental Biology, 2000, 219, 299-314.	2.0	152
6	Genetic rescue of cell number in a mouse model of microphthalmia:interactions between Chx10 and G1-phase cell cycle regulators. Development (Cambridge), 2003, 130, 539-552.	2.5	133
7	Hes1 but not Hes5 regulates an astrocyte versus oligodendrocyte fate choice in glial restricted precursors. Developmental Dynamics, 2003, 226, 675-689.	1.8	120
8	Vsx-1 andVsx-2: Differential expression of twoPaired-like homeobox genes during zebrafish and goldfish retinogenesis. Journal of Comparative Neurology, 1997, 388, 495-505.	1.6	97
9	Lhx2links the intrinsic and extrinsic factors that control optic cup formation. Development (Cambridge), 2009, 136, 3895-3906.	2.5	92
10	Restricted expression of a new paired-class homeobox gene in normal and regenerating adult goldfish retina. Journal of Comparative Neurology, 1994, 348, 596-606.	1.6	83
11	The Cyclin-Dependent Kinase Inhibitors p19Ink4d and p27Kip1 Are Coexpressed in Select Retinal Cells and Act Cooperatively to Control Cell Cycle Exit. Molecular and Cellular Neurosciences, 2002, 19, 359-374.	2.2	69
12	Lhx2 Balances Progenitor Maintenance with Neurogenic Output and Promotes Competence State Progression in the Developing Retina. Journal of Neuroscience, 2013, 33, 12197-12207.	3.6	67
13	Cell-intrinsic regulators of proliferation in vertebrate retinal progenitors. Seminars in Cell and Developmental Biology, 2004, 15, 63-74.	5.0	65
14	Expression patterns and cell cycle profiles of PCNA, MCM6, cyclin D1, cyclin A2, cyclin B1, and phosphorylated histone H3 in the developing mouse retina. Developmental Dynamics, 2008, 237, 672-682.	1.8	63
15	Negative regulation of Vsx1 by its paralog Chx10/Vsx2 is conserved in the vertebrate retina. Brain Research, 2008, 1192, 99-113.	2.2	62
16	Cyclin D1 fine-tunes the neurogenic output of embryonic retinal progenitor cells. Neural Development, 2009, 4, 15.	2.4	60
17	Plasticin, a novel type III neurofilament protein from goldfish retina: Increased expression during optic nerve regeneration. Neuron, 1992, 9, 373-381.	8.1	56
18	Homeobox genes are expressed in the retina and brain of adult goldfish.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2729-2733.	7.1	50

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19	Vsx2 Controls Eye Organogenesis and Retinal Progenitor Identity Via Homeodomain and Non-Homeodomain Residues Required for High Affinity DNA Binding. PLoS Genetics, 2012, 8, e1002924.	3.5	50
20	Vsx-1 andVsx-2: Two Chx10-like homeobox genes expressed in overlapping domains in the adult goldfish retina. Journal of Comparative Neurology, 1997, 387, 439-448.	1.6	48
21	The nuclear receptor transcription factor, retinoid-related orphan receptor Î², regulates retinal progenitor proliferation. Mechanisms of Development, 1998, 77, 149-164.	1.7	45
22	Rlbp1Promoter Drives Robust MuÌˆller Glial GFP Expression in Transgenic Mice. , 2009, 50, 3996.		45
23	MÃ¼ller glial microRNAs are required for the maintenance of glial homeostasis and retinal architecture. Nature Communications, 2017, 8, 1603.	12.8	42
24	Vsx2/Chx10 ensures the correct timing and magnitude of Hedgehog signaling in the mouse retina. Developmental Biology, 2008, 317, 560-575.	2.0	37
25	Proliferative reactive gliosis is compatible with glial metabolic support and neuronal function. BMC Neuroscience, 2011, 12, 98.	1.9	36
26	Absence ofChx10Causes Neural Progenitors to Persist in the Adult Retina. , 2006, 47, 386.		33
27	Lef1-dependent hypothalamic neurogenesis inhibits anxiety. PLoS Biology, 2017, 15, e2002257.	5.6	31
28	Complex expression of keratins in goldfish optic nerve. Journal of Comparative Neurology, 1994, 340, 269-280.	1.6	27
29	Cloning of a type I keratin from goldfish optic nerve: differential expression of keratins during regeneration. Differentiation, 1992, 52, 33-43.	1.9	26
30	Cyclin D1 inactivation extends proliferation and alters histogenesis in the postnatal mouse retina. Developmental Dynamics, 2012, 241, 941-952.	1.8	23
31	CDC42 Is Required for Tissue Lamination and Cell Survival in the Mouse Retina. PLoS ONE, 2013, 8, e53806.	2.5	23
32	Defects in retinal pigment epithelium cell proliferation and retinal attachment in mutant mice with p27(Kip1) gene ablation. Molecular Vision, 2007, 13, 273-86.	1.1	21
33	Differential Expression of NF2 in Neuroepithelial Compartments Is Necessary for Mammalian Eye Development. Developmental Cell, 2018, 44, 13-28.e3.	7.0	20
34	The LIM protein complex establishes a retinal circuitry of visual adaptation by regulating Pax6 Î±-enhancer activity. ELife, 2017, 6, .	6.0	20
35	The RNA Binding Protein Igf2bp1 Is Required for Zebrafish RGC Axon Outgrowth In Vivo. PLoS ONE, 2015, 10, e0134751.	2.5	16
36	Cloning of Multiple Forms of Goldfish Vimentin: Differential Expression in CNS. Journal of Neurochemistry, 1994, 63, 470-481.	3.9	14

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37	Stimulation of Retinal Pigment Epithelium With an Î±7 nAChR Agonist Leads to MÃ¼ller Glia Dependent Neurogenesis in the Adult Mammalian Retina. , 2019, 60, 570.		14
38	Expression of the cyclin-dependent kinase inhibitor p27Kip1 by developing retinal pigment epithelium. Gene Expression Patterns, 2003, 3, 615-619.	0.8	13
39	Genetic chimeras reveal the autonomy requirements for Vsx2 in embryonic retinal progenitor cells. Neural Development, 2015, 10, 12.	2.4	9
40	Induction of a proliferative response in the zebrafish retina by injection of extracellular vesicles. Experimental Eye Research, 2020, 200, 108254.	2.6	8
41	Expression of Sonic Hedgehog and pathway components in the embryonic mouse head: anatomical relationships between regulators of positive and negative feedback. BMC Research Notes, 2021, 14, 300.	1.4	2
42	Probing Light-Stimulated Activities in the Retina via Transparent Graphene Electrodes. ACS Applied Bio Materials, 2022, 5, 305-312.	4.6	2
43	Vsx1 and Vsx2: Two Chx10â€like homeobox genes expressed in overlapping domains in the adult goldfish retina. Journal of Comparative Neurology, 1997, 387, 439-448.	1.6	1
44	Vsx-1 and Vsx-2: Differential expression of two Paired-like homeobox genes during zebrafish and goldfish retinogenesis. , 1997, 388, 495.		1
45	Multimodality optical coherence tomography and fluorescence confocal scanning laser ophthalmoscopy for image-guided feedback of intraocular injections in mouse models. , 2018, , .		1
46	Arap1 loss causes retinal pigment epithelium phagocytic dysfunction and subsequent photoreceptor death. DMM Disease Models and Mechanisms, 0, , .	2.4	1