Valerie A Wallace

List of Publications by Year
in descending order

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Version: 2024-02-01

39 papers	1,632 citations	331670 21 h-index	345221 36 g-index
40 all docs	40 docs citations	40 times ranked	2221 citing authors

#	Article	IF	Citations
1	Three dimensional reconstruction of the mouse cerebellum in Hedgehog-driven medulloblastoma models to identify Norrin-dependent effects on preneoplasia. Communications Biology, 2022, 5, .	4.4	3
2	Directed Evolution Enables Simultaneous Controlled Release of Multiple Therapeutic Proteins from Biopolymerâ€Based Hydrogels. Advanced Materials, 2022, 34, .	21.0	11
3	Stable oxime-crosslinked hyaluronan-based hydrogel as a biomimetic vitreous substitute. Biomaterials, 2021, 271, 120750.	11.4	36
4	InVision: An optimized tissue clearing approach for three-dimensional imaging and analysis of intact rodent eyes. IScience, 2021, 24, 102905.	4.1	8
5	Photoreceptor nanotubes mediate the <i>inÂvivo</i> exchange of intracellular material. EMBO Journal, 2021, 40, e107264.	7.8	33
6	NORRIN plays a context-dependent role in glioblastoma stem cells. Molecular and Cellular Oncology, 2020, 7, 1758540.	0.7	0
7	Nonswelling, Ultralow Content Inverse Electronâ€Demand Dielsâ€"Alder Hyaluronan Hydrogels with Tunable Gelation Time: Synthesis and In Vitro Evaluation. Advanced Functional Materials, 2020, 30, 1903978.	14.9	44
8	Norrin mediates tumor-promoting and -suppressive effects in glioblastoma via Notch and Wnt. Journal of Clinical Investigation, 2020, 130, 3069-3086.	8.2	15
9	Controlled release strategy designed for intravitreal protein delivery to the retina. Journal of Controlled Release, 2019, 293, 10-20.	9.9	48
10	Modeling of Photoreceptor Donor-Host Interaction Following Transplantation Reveals a Role for Crx, MÃ¼ller Glia, and Rho/ROCK Signaling in Neurite Outgrowth. Stem Cells, 2019, 37, 529-541.	3.2	14
11	Induction of rod versus cone photoreceptor-specific progenitors from retinal precursor cells. Stem Cell Research, 2018, 33, 215-227.	0.7	10
12	Material Exchange in Photoreceptor Transplantation: Updating Our Understanding of Donor/Host Communication and the Future of Cell Engraftment Science. Frontiers in Neural Circuits, 2018, 12, 17.	2.8	43
13	Temporal profiling of photoreceptor lineage gene expression during murine retinal development. Gene Expression Patterns, 2017, 23-24, 32-44.	0.8	18
14	A Reinterpretation of Cell Transplantation: GFP Transfer From Donor to Host Photoreceptors. Stem Cells, 2017, 35, 932-939.	3.2	99
15	Exosomes Mediate Mobilization of Autocrine Wnt10b to Promote Axonal Regeneration in the Injured CNS. Cell Reports, 2017, 20, 99-111.	6.4	88
16	Heterochronic Pellet Assay to Test Cell-cell Communication in the Mouse Retina. Bio-protocol, 2017, 7, .	0.4	3
17	Establishment of a cone photoreceptor transplantation platform based on a novel cone-GFP reporter mouse line. Scientific Reports, 2016, 6, 22867.	3.3	39
18	Sortilin regulates sorting and secretion of Sonic hedgehog. Journal of Cell Science, 2016, 129, 3832-3844.	2.0	13

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19	A Notch-Gli2 axis sustains Hedgehog responsiveness of neural progenitors and MÃ¼ller glia. Developmental Biology, 2016, 411, 85-100.	2.0	31
20	Norrin/Frizzled4 signalling in the preneoplastic niche blocks medulloblastoma initiation. ELife, 2016, 5, .	6.0	21
21	Sortilin regulates sorting and secretion of Sonic hedgehog. Development (Cambridge), 2016, 143, e1.2-e1.2.	2.5	0
22	Wnt ligands from the embryonic surface ectoderm regulate â€˜bimetallic stripâ€™ optic cup morphogenesis in mouse. Development (Cambridge), 2015, 142, 972-982.	2.5	54
23	Combinatorial Hedgehog and Mitogen Signaling Promotes the In Vitro Expansion but Not Retinal Differentiation Potential of Retinal Progenitor Cells. , 2014, 55, 43.		17
24	Snf2h-mediated chromatin organization and histone H1 dynamics govern cerebellar morphogenesis and neural maturation. Nature Communications, 2014, 5, 4181.	12.8	71
25	Autologous Fibrin Glue as an Encapsulating Scaffold for Delivery of Retinal Progenitor Cells. Frontiers in Bioengineering and Biotechnology, 2014, 2, 85.	4.1	21
26	Hedgehog regulates Norrie disease protein to drive neural progenitor self-renewal. Human Molecular Genetics, 2013, 22, 1005-1016.	2.9	13
27	Comparative genomics identification of a novel set of temporally regulated hedgehog target genes in the retina. Molecular and Cellular Neurosciences, 2012, 49, 333-340.	2.2	21
28	Suppressor of Fused Is Required to Maintain the Multipotency of Neural Progenitor Cells in the Retina. Journal of Neuroscience, 2011, 31, 5169-5180.	3.6	28
29	Processing-dependent trafficking of Sonic hedgehog to the regulated secretory pathway in neurons. Molecular and Cellular Neurosciences, 2011, 46, 583-596.	2.2	27
30	Concise Review: Making a Retinaâ€"From the Building Blocks to Clinical Applications. Stem Cells, 2011, 29, 412-417.	3.2	46
31	Progenitor cell proliferation in the retina is dependent on Notch-independent Sonic hedgehog/Hes1 activity. Journal of Cell Biology, 2009, 184, 101-112.	5.2	171
32	Proliferative and cell fate effects of Hedgehog signaling in the vertebrate retina. Brain Research, 2008, 1192, 61-75.	2.2	58
33	Control of glial precursor cell development in the mouse optic nerve by sonic hedgehog from retinal ganglion cells. Brain Research, 2008, 1228, 27-42.	2.2	50
34	Stem cells: a source for neuron repair in retinal disease. Canadian Journal of Ophthalmology, 2007, 42, 442-6.	0.7	1
35	Direct and indirect effects of hedgehog pathway activation in the mammalian retina. Molecular and Cellular Neurosciences, 2006, 32, 274-282.	2.2	25
36	Retinal ganglion cell-derived sonic hedgehog locally controls proliferation and the timing of RGC development in the embryonic mouse retina. Development (Cambridge), 2005, 132, 5103-5113.	2.5	178

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37	Retinal ganglion cell-derived sonic hedgehog signaling is required for optic disc and stalk neuroepithelial cell development. Development (Cambridge), 2003, 130, 2967-2980.	2.5	123
38	Development of normal retinal organization depends on Sonic hedgehog signaling from ganglion cells. Nature Neuroscience, 2002, 5, 831-832.	14.8	127
39	T cell repertoire and clonal deletion of Mtv superantigen-reactive T cells in mice lacking CD4 and CD8 molecules. European Journal of Immunology, 1995, 25, 2115-2118.	2.9	24