

# 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	Retinal ganglion cell-derived sonic hedgehog locally controls proliferation and the timing of RGC development in the embryonic mouse retina. <i>Development (Cambridge)</i> , 2005, 132, 5103-5113.	2.5	178
2	Progenitor cell proliferation in the retina is dependent on Notch-independent Sonic hedgehog/Hes1 activity. <i>Journal of Cell Biology</i> , 2009, 184, 101-112.	5.2	171
3	Development of normal retinal organization depends on Sonic hedgehog signaling from ganglion cells. <i>Nature Neuroscience</i> , 2002, 5, 831-832.	14.8	127
4	Retinal ganglion cell-derived sonic hedgehog signaling is required for optic disc and stalk neuroepithelial cell development. <i>Development (Cambridge)</i> , 2003, 130, 2967-2980.	2.5	123
5	A Reinterpretation of Cell Transplantation: GFP Transfer From Donor to Host Photoreceptors. <i>Stem Cells</i> , 2017, 35, 932-939.	3.2	99
6	Exosomes Mediate Mobilization of Autocrine Wnt10b to Promote Axonal Regeneration in the Injured CNS. <i>Cell Reports</i> , 2017, 20, 99-111.	6.4	88
7	Snf2h-mediated chromatin organization and histone H1 dynamics govern cerebellar morphogenesis and neural maturation. <i>Nature Communications</i> , 2014, 5, 4181.	12.8	71
8	Proliferative and cell fate effects of Hedgehog signaling in the vertebrate retina. <i>Brain Research</i> , 2008, 1192, 61-75.	2.2	58
9	Wnt ligands from the embryonic surface ectoderm regulate $\beta$ -bimetallic strip <sup>TM</sup> optic cup morphogenesis in mouse. <i>Development (Cambridge)</i> , 2015, 142, 972-982.	2.5	54
10	Control of glial precursor cell development in the mouse optic nerve by sonic hedgehog from retinal ganglion cells. <i>Brain Research</i> , 2008, 1228, 27-42.	2.2	50
11	Controlled release strategy designed for intravitreal protein delivery to the retina. <i>Journal of Controlled Release</i> , 2019, 293, 10-20.	9.9	48
12	Concise Review: Making a Retina—From the Building Blocks to Clinical Applications. <i>Stem Cells</i> , 2011, 29, 412-417.	3.2	46
13	Nonswelling, Ultralow Content Inverse Electron-Demand Diels-Alder Hyaluronan Hydrogels with Tunable Gelation Time: Synthesis and In Vitro Evaluation. <i>Advanced Functional Materials</i> , 2020, 30, 1903978.	14.9	44
14	Material Exchange in Photoreceptor Transplantation: Updating Our Understanding of Donor/Host Communication and the Future of Cell Engraftment Science. <i>Frontiers in Neural Circuits</i> , 2018, 12, 17.	2.8	43
15	Establishment of a cone photoreceptor transplantation platform based on a novel cone-GFP reporter mouse line. <i>Scientific Reports</i> , 2016, 6, 22867.	3.3	39
16	Stable oxime-crosslinked hyaluronan-based hydrogel as a biomimetic vitreous substitute. <i>Biomaterials</i> , 2021, 271, 120750.	11.4	36
17	Photoreceptor nanotubes mediate the <i>in vivo</i> exchange of intracellular material. <i>EMBO Journal</i> , 2021, 40, e107264.	7.8	33
18	A Notch-Gli2 axis sustains Hedgehog responsiveness of neural progenitors and Müller glia. <i>Developmental Biology</i> , 2016, 411, 85-100.	2.0	31

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19	Suppressor of Fused Is Required to Maintain the Multipotency of Neural Progenitor Cells in the Retina. <i>Journal of Neuroscience</i> , 2011, 31, 5169-5180.	3.6	28
20	Processing-dependent trafficking of Sonic hedgehog to the regulated secretory pathway in neurons. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 583-596.	2.2	27
21	Direct and indirect effects of hedgehog pathway activation in the mammalian retina. <i>Molecular and Cellular Neurosciences</i> , 2006, 32, 274-282.	2.2	25
22	T cell repertoire and clonal deletion of Mtv superantigen-reactive T cells in mice lacking CD4 and CD8 molecules. <i>European Journal of Immunology</i> , 1995, 25, 2115-2118.	2.9	24
23	Comparative genomics identification of a novel set of temporally regulated hedgehog target genes in the retina. <i>Molecular and Cellular Neurosciences</i> , 2012, 49, 333-340.	2.2	21
24	Autologous Fibrin Glue as an Encapsulating Scaffold for Delivery of Retinal Progenitor Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 85.	4.1	21
25	Norrin/Frizzled4 signalling in the preneoplastic niche blocks medulloblastoma initiation. <i>ELife</i> , 2016, 5, .	6.0	21
26	Temporal profiling of photoreceptor lineage gene expression during murine retinal development. <i>Gene Expression Patterns</i> , 2017, 23-24, 32-44.	0.8	18
27	Combinatorial Hedgehog and Mitogen Signaling Promotes the In Vitro Expansion but Not Retinal Differentiation Potential of Retinal Progenitor Cells. , 2014, 55, 43.		17
28	Norrin mediates tumor-promoting and -suppressive effects in glioblastoma via Notch and Wnt. <i>Journal of Clinical Investigation</i> , 2020, 130, 3069-3086.	8.2	15
29	Modeling of Photoreceptor Donor-Host Interaction Following Transplantation Reveals a Role for Crx, Müller Glia, and Rho/ROCK Signaling in Neurite Outgrowth. <i>Stem Cells</i> , 2019, 37, 529-541.	3.2	14
30	Hedgehog regulates Norrie disease protein to drive neural progenitor self-renewal. <i>Human Molecular Genetics</i> , 2013, 22, 1005-1016.	2.9	13
31	Sortilin regulates sorting and secretion of Sonic hedgehog. <i>Journal of Cell Science</i> , 2016, 129, 3832-3844.	2.0	13
32	Directed Evolution Enables Simultaneous Controlled Release of Multiple Therapeutic Proteins from Biopolymer-Based Hydrogels. <i>Advanced Materials</i> , 2022, 34, .	21.0	11
33	Induction of rod versus cone photoreceptor-specific progenitors from retinal precursor cells. <i>Stem Cell Research</i> , 2018, 33, 215-227.	0.7	10
34	InVision: An optimized tissue clearing approach for three-dimensional imaging and analysis of intact rodent eyes. <i>iScience</i> , 2021, 24, 102905.	4.1	8
35	Heterochronic Pellet Assay to Test Cell-cell Communication in the Mouse Retina. <i>Bio-protocol</i> , 2017, 7, .	0.4	3
36	Three dimensional reconstruction of the mouse cerebellum in Hedgehog-driven medulloblastoma models to identify Norrin-dependent effects on preneoplasia. <i>Communications Biology</i> , 2022, 5, .	4.4	3

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37	Stem cells: a source for neuron repair in retinal disease. <i>Canadian Journal of Ophthalmology</i> , 2007, 42, 442-6.	0.7	1
38	NORRIN plays a context-dependent role in glioblastoma stem cells. <i>Molecular and Cellular Oncology</i> , 2020, 7, 1758540.	0.7	0
39	Sortilin regulates sorting and secretion of Sonic hedgehog. <i>Development (Cambridge)</i> , 2016, 143, e1.2-e1.2.	2.5	0