

Luke A Wiley

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,276
citations

22
h-index

35
g-index

45
ext. papers

1,550
ext. citations

6
avg, IF

4.13
L-index

#	Paper	IF	Citations
43	The effect of retinal scaffold modulus on performance during surgical handling. <i>Experimental Eye Research</i> , 2021 , 207, 108566	3.7	1
42	Chimeric Helper-Dependent Adenoviruses Transduce Retinal Ganglion Cells and Müller Cells in Human Retinal Explants. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2021 , 37, 575-579	2.6	0
41	Retinal Tropism and Transduction of Adeno-Associated Virus Varies by Serotype and Route of Delivery (Intravitreal, Subretinal, or Suprachoroidal) in Rats. <i>Human Gene Therapy</i> , 2020 , 31, 1288-1299	4.8	5
40	Development of High-Resolution Three-Dimensional-Printed Extracellular Matrix Scaffolds and Their Compatibility with Pluripotent Stem Cells and Early Retinal Cells. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2020 , 36, 42-55	2.6	8
39	Helper-Dependent Adenovirus Transduces the Human and Rat Retina but Elicits an Inflammatory Reaction When Delivered Subretinally in Rats. <i>Human Gene Therapy</i> , 2019 , 30, 1371-1384	4.8	8
38	Two-photon polymerized poly(caprolactone) retinal cell delivery scaffolds and their systemic and retinal biocompatibility. <i>Acta Biomaterialia</i> , 2019 , 94, 204-218	10.8	32
37	Optimizing Donor Cellular Dissociation and Subretinal Injection Parameters for Stem Cell-Based Treatments. <i>Stem Cells Translational Medicine</i> , 2019 , 8, 797-809	6.9	8
36	Correction of NR2E3 Associated Enhanced S-cone Syndrome Patient-specific iPSCs using CRISPR-Cas9. <i>Genes</i> , 2019 , 10,	4.2	14
35	Feeder-free differentiation of cells exhibiting characteristics of corneal endothelium from human induced pluripotent stem cells. <i>Biology Open</i> , 2018 , 7,	2.2	31
34	CRISPR-Cas9-Mediated Correction of the 1.02 kb Common Deletion in in Induced Pluripotent Stem Cells from Patients with Batten Disease. <i>CRISPR Journal</i> , 2018 , 1, 75-87	2.5	12
33	CRISPR-Cas9 genome engineering: Treating inherited retinal degeneration. <i>Progress in Retinal and Eye Research</i> , 2018 , 65, 28-49	20.5	43
32	Effect of Molecular Weight and Functionality on Acrylated Poly(caprolactone) for Stereolithography and Biomedical Applications. <i>Biomacromolecules</i> , 2018 , 19, 3682-3692	6.9	32
31	Assessment of Adeno-Associated Virus Serotype Tropism in Human Retinal Explants. <i>Human Gene Therapy</i> , 2018 , 29, 424-436	4.8	26
30	WNT7A/B promote choroidal neovascularization. <i>Experimental Eye Research</i> , 2018 , 174, 107-112	3.7	3
29	Using CRISPR-Cas9 to Generate Gene-Corrected Autologous iPSCs for the Treatment of Inherited Retinal Degeneration. <i>Molecular Therapy</i> , 2017 , 25, 1999-2013	11.7	84
28	Patient-specific induced pluripotent stem cells to evaluate the pathophysiology of TRNT1-associated Retinitis pigmentosa. <i>Stem Cell Research</i> , 2017 , 21, 58-70	1.6	38
27	Two-photon polymerization for production of human iPSC-derived retinal cell grafts. <i>Acta Biomaterialia</i> , 2017 , 55, 385-395	10.8	58

26	Generation of Xeno-Free, cGMP-Compliant Patient-Specific iPSCs from Skin Biopsy. <i>Current Protocols in Stem Cell Biology</i> , 2017 , 42, 4A.12.1-4A.12.14	2.8	11
25	cGMP production of patient-specific iPSCs and photoreceptor precursor cells to treat retinal degenerative blindness. <i>Scientific Reports</i> , 2016 , 6, 30742	4.9	76
24	North Carolina Macular Dystrophy Is Caused by Dysregulation of the Retinal Transcription Factor PRDM13. <i>Ophthalmology</i> , 2016 , 123, 9-18	7.3	73
23	Prevascularized silicon membranes for the enhancement of transport to implanted medical devices. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 1602-1609	3.5	3
22	Molecular response of chorioretinal endothelial cells to complement injury: implications for macular degeneration. <i>Journal of Pathology</i> , 2016 , 238, 446-56	9.4	40
21	Concise Review: Patient-Specific Stem Cells to Interrogate Inherited Eye Disease. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 132-40	6.9	13
20	Differentiation of Induced Pluripotent Stem Cells to Neural Retinal Precursor Cells on Porous Poly-Lactic-co-Glycolic Acid Scaffolds. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016 , 32, 310-6	2.6	17
19	Hypomorphic mutations in TRNT1 cause retinitis pigmentosa with erythrocytic microcytosis. <i>Human Molecular Genetics</i> , 2016 , 25, 44-56	5.6	51
18	A Method for Sectioning and Immunohistochemical Analysis of Stem Cell-Derived 3-D Organoids. <i>Current Protocols in Stem Cell Biology</i> , 2016 , 37, 1C.19.1-1C.19.11	2.8	9
17	Neuronal Differentiation of Induced Pluripotent Stem Cells on Surfactant Templated Chitosan Hydrogels. <i>Biomacromolecules</i> , 2016 , 17, 1684-95	6.9	26
16	Using Patient-Specific Induced Pluripotent Stem Cells and Wild-Type Mice to Develop a Gene Augmentation-Based Strategy to Treat CLN3-Associated Retinal Degeneration. <i>Human Gene Therapy</i> , 2016 , 27, 835-846	4.8	24
15	Impaired autophagy in macrophages promotes inflammatory eye disease. <i>Autophagy</i> , 2016 , 12, 1876-1885.2	5.2	39
14	Patient-specific induced pluripotent stem cells (iPSCs) for the study and treatment of retinal degenerative diseases. <i>Progress in Retinal and Eye Research</i> , 2015 , 44, 15-35	20.5	90
13	Generating iPSC-Derived Choroidal Endothelial Cells to Study Age-Related Macular Degeneration 2015 , 56, 8258-67		32
12	Stem cells as tools for studying the genetics of inherited retinal degenerations. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014 , 5, a017160	5.4	10
11	Gene therapy using stem cells. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014 , 5,	5.4	13
10	Mechanical properties of murine and porcine ocular tissues in compression. <i>Experimental Eye Research</i> , 2014 , 121, 194-9	3.7	38
9	Endothelial cell FGF signaling is required for injury response but not for vascular homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13379-84	11.5	88

8	Duplication of TBK1 Stimulates Autophagy in iPSC-derived Retinal Cells from a Patient with Normal Tension Glaucoma. <i>Journal of Stem Cell Research & Therapy</i> , 2014 , 3, 161	1	68
7	Retinoblastoma protein prevents enteric nervous system defects and intestinal pseudo-obstruction. <i>Journal of Clinical Investigation</i> , 2013 , 123, 5152-64	15.9	10
6	The tumor suppressor gene Trp53 protects the mouse lens against posterior subcapsular cataracts and the BMP receptor Acvr1 acts as a tumor suppressor in the lens. <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 484-95	4.1	34
5	The tumor suppressor merlin is required for cell cycle exit, terminal differentiation, and cell polarity in the developing murine lens 2010 , 51, 3611-8		19
4	Visualizing lens epithelial cell proliferation in whole lenses. <i>Molecular Vision</i> , 2010 , 16, 1253-9	2.3	15
3	Superior cervical ganglionectomy induces changes in growth factor expression in the rat retina. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 439-43		21
2	Sympathetic innervation regulates basement membrane thickening and pericyte number in rat retina. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 744-8		51
1	Expression of the retina-specific flippase, ABCA4, in epidermal keratinocytes. <i>F1000Research</i> , 5 , 193	3.6	1