Andrew Ian Jobling

List of Publications by Year
in descending order

53 papers	1,936 citations	361045 20 h-index	315357 38 g-index
54 all docs	54 docs citations	54 times ranked	2351 citing authors

#	Article	IF	Citations
1	Biomechanics of the Sclera in Myopia: Extracellular and Cellular Factors. Optometry and Vision Science, 2009, 86, E23-E30.	0.6	227
2	What causes steroid cataracts? A review of steroidâ€induced posterior subcapsular cataracts. Australasian journal of optometry, The, 2002, 85, 61-75.	0.6	148
3	Early Inner Retinal Astrocyte Dysfunction during Diabetes and Development of Hypoxia, Retinal Stress, and Neuronal Functional Loss. , 2011, 52, 9316.		140
4	Isoform-specific Changes in Scleral Transforming Growth Factor-Î² Expression and the Regulation of Collagen Synthesis during Myopia Progression. Journal of Biological Chemistry, 2004, 279, 18121-18126.	1.6	124
5	Animal Models of Retinal Disease. Progress in Molecular Biology and Translational Science, 2011, 100, 211-286.	0.9	89
6	Studying Age-Related Macular Degeneration Using Animal Models. Optometry and Vision Science, 2014, 91, 878-886.	0.6	78
7	Retinal and choroidal TGF-Î² in the tree shrew model of myopia: Isoform expression, activation and effects on function. Experimental Eye Research, 2009, 88, 458-466.	1.2	74
8	Expression of Collagen-Binding Integrin Receptors in the Mammalian Sclera and Their Regulation during the Development of Myopia. , 2006, 47, 4674.		60
9	Localization and expression of the glutamate transporter, excitatory amino acid transporter 4, within astrocytes of the rat retina. Cell and Tissue Research, 2004, 315, 305-310.	1.5	55
10	Ccl2/Cx3cr1 Knockout Mice Have Inner Retinal Dysfunction but Are Not an Accelerated Model of AMD. , 2012, 53, 7833.		53
11	Regulation of Scleral Cell Contraction by Transforming Growth Factor-Î² and Stress. Journal of Biological Chemistry, 2009, 284, 2072-2079.	1.6	46
12	A Naturally Occurring Mouse Model of Achromatopsia: Characterization of the Mutation in Cone Transducin and Subsequent Retinal Phenotype. , 2013, 54, 3350.		45
13	Restorative retinal laser therapy: Present state and future directions. Survey of Ophthalmology, 2018, 63, 307-328.	1.7	45
14	Fractalkine-induced microglial vasoregulation occurs within the retina and is altered early in diabetic retinopathy. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	45
15	Vesicular expression and release of ATP from dopaminergic neurons of the mouse retina and midbrain. Frontiers in Cellular Neuroscience, 2015, 9, 389.	1.8	44
16	Rod Photoreceptor Activation Alone Defines the Release of Dopamine in the Retina. Current Biology, 2019, 29, 763-774.e5.	1.8	43
17	Characterization of the Circumlimbal Suture Model of Chronic IOP Elevation in Mice and Assessment of Changes in Gene Expression of Stretch Sensitive Channels. Frontiers in Neuroscience, 2017, 11, 41.	1.4	39
18	Retinal dysfunction, photoreceptor protein dysregulation and neuronal remodelling in the R6/1 mouse model of Huntington's disease. Neurobiology of Disease, 2012, 45, 887-896.	2.1	37

#	Article	IF	Citations
19	Loss of Function of P2X7 Receptor Scavenger Activity in Aging Mice. American Journal of Pathology, 2017, 187, 1670-1685.	1.9	34
20	Reduced Scleral TIMP-2 Expression Is Associated With Myopia Development: TIMP-2 Supplementation Stabilizes Scleral Biomarkers of Myopia and Limits Myopia Development. , 2017, 58, 1971.		34
21	The Role of the Microglial Cx3cr1 Pathway in the Postnatal Maturation of Retinal Photoreceptors. Journal of Neuroscience, 2018, 38, 4708-4723.	1.7	34
22	Adenosine triphosphateâ€induced photoreceptor death and retinal remodeling in rats. Journal of Comparative Neurology, 2014, 522, 2928-2950.	0.9	33
23	Assessment of Retinal Function and Morphology in Aging Ccl2 Knockout Mice. Investigative Ophthalmology and Visual Science, 2015, 56, 1238-1252.	3.3	32
24	Failure of Autophagyâ€"Lysosomal Pathways in Rod Photoreceptors Causes the Early Retinal Degeneration Phenotype Observed in<i>Cln6^{nclf}</i>Mice. , 2018, 59, 5082.		27
25	The renin-angiotensin system and the retinal neurovascular unit: A role in vascular regulation and disease. Experimental Eye Research, 2019, 187, 107753.	1.2	26
26	Piezo2 Knockdown Inhibits Noxious Mechanical Stimulation and NGF-Induced Sensitization in A-Delta Bone Afferent Neurons. Frontiers in Physiology, 2021, 12, 644929.	1.3	23
27	The Role of Angiotensin II/AT1 Receptor Signaling in Regulating Retinal Microglial Activation. , 2018, 59, 487.		22
28	Is there a Glucocorticoid Receptor in the Bovine Lens?. Experimental Eye Research, 2001, 72, 687-694.	1.2	21
29	Targeting P2X7 receptors as a means for treating retinal disease. Drug Discovery Today, 2019, 24, 1598-1605.	3.2	21
30	Electronic restoration of vision in those with photoreceptor degenerations. Australasian journal of optometry, The, 2012, 95, 473-483.	0.6	18
31	Reversibility of Retinal Ganglion Cell Dysfunction From Chronic IOP Elevation. , 2019, 60, 3878.		17
32	Localization and Possible Function of P2X Receptors in Normal and Diseased Retinae. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 509-517.	0.6	16
33	Alternative pathways in the development of diabetic retinopathy: the reninâ€angiotensin and kallikreinâ€kinin systems. Australasian journal of optometry, The, 2012, 95, 282-289.	0.6	15
34	Potential mechanisms of retinal ganglion cell typeâ€specific vulnerability in glaucoma. Australasian journal of optometry, The, 2020, 103, 562-571.	0.6	15
35	The Contribution of Microglia to the Development and Maturation of the Visual System. Frontiers in Cellular Neuroscience, 2021, 15, 659843.	1.8	15
36	Nanosecond Laser Treatment for Age-Related Macular Degeneration Does Not Induce Focal Vision Loss or New Vessel Growth in the Retina. , 2018, 59, 731.		14

#	Article	IF	Citations
37	Treatments targeting autophagy ameliorate the age-related macular degeneration phenotype in mice lacking APOE (apolipoprotein E). Autophagy, 2022, 18, 2368-2384.	4.3	14
38	Inner retinal change in a novel rd1-FTL mouse model of retinal degeneration. Frontiers in Cellular Neuroscience, 2015, 9, 293.	1.8	13
39	Photoreceptor Degeneration in Pro23His Transgenic Rats (Line 3) Involves Autophagic and Necroptotic Mechanisms. Frontiers in Neuroscience, 2020, 14, 581579.	1.4	12
40	Inhibition of Matrix Metalloproteinase Activity in the Chick Sclera and Its Effect on Myopia Development. , 2010, 51, 2865.		11
41	The Role of Histamine in the Retina: Studies on the Hdc Knockout Mouse. PLoS ONE, 2014, 9, e116025.	1.1	11
42	Susceptibility of Streptozotocin-Induced Diabetic Rat Retinal Function and Ocular Blood Flow to Acute Intraocular Pressure Challenge. , 2013, 54, 2133.		10
43	Increased Susceptibility to Injury in Older Eyes. Optometry and Vision Science, 2013, 90, 275-281.	0.6	9
44	Prophylactic laser in age-related macular degeneration: the past, the present and the future. Eye, 2018, 32, 972-980.	1.1	9
45	Fluorescent Labeling and Quantification of Vesicular ATP Release Using Live Cell Imaging. Methods in Molecular Biology, 2020, 2041, 209-221.	0.4	8
46	Steroid adduct formation with lens crystallins. Australasian journal of optometry, The, 1999, 82, 130-136.	0.6	7
47	Subthreshold Nano-Second Laser Treatment and Age-Related Macular Degeneration. Journal of Clinical Medicine, 2021, 10, 484.	1.0	7
48	The Role of the P2X7 Receptor in the Retina: Cell Signalling and Dysfunction. Advances in Experimental Medicine and Biology, 2012, 723, 813-819.	0.8	7
49	Distribution of proteins across the porcine lens. Australasian journal of optometry, The, 1995, 78, 87-92.	0.6	5
50	Dorsal-Ventral Differences in Retinal Structure in the Pigmented Royal College of Surgeons Model of Retinal Degeneration. Frontiers in Cellular Neuroscience, 2020, 14, 553708.	1.8	4
51	Rod Photoreceptor Activation Alone Defines the Release of Dopamine in the Retina. SSRN Electronic Journal, 0, , .	0.4	0
52	Animal Models of Diseases of the Retinal Pigment Epithelium. , 2020, , 325-347.		0
53	Animal and Human Models of Retinal Diseases. , 2020, , 590-613.		0