

Michael E Boulton

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

6,204
citations

172457

29
h-index

223800

46
g-index

53
all docs

53
docs citations

53
times ranked

7162
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy in age-related macular degeneration. <i>Autophagy</i> , 2023, 19, 388-400.	9.1	56
2	Specific mesoderm subset derived from human pluripotent stem cells ameliorates microvascular pathology in type 2 diabetic mice. <i>Science Advances</i> , 2022, 8, eabm5559.	10.3	8
3	Potential role for age as a modulator of oral nitrate reductase activity. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 108, 1-7.	2.7	5
4	Tribbles Homolog 3 Mediates the Development and Progression of Diabetic Retinopathy. <i>Diabetes</i> , 2021, 70, 1738-1753.	0.6	11
5	Characterizing temporal and spatial recruitment of systemically administered RPE65-programmed bone marrow-derived cells to the retina in a mouse model of age-related macular degeneration. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 2987-2994.	1.9	1
6	Spatial and temporal VEGF receptor intracellular trafficking in microvascular and macrovascular endothelial cells. <i>Scientific Reports</i> , 2021, 11, 17400.	3.3	4
7	BACE1 Inhibition Increases Susceptibility to Oxidative Stress by Promoting Mitochondrial Damage. <i>Antioxidants</i> , 2021, 10, 1539.	5.1	8
8	Supplemental nitrite increases choroidal neovascularization in mice. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 117, 7-15.	2.7	0
9	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 422 1,430	9.1	1,430
10	SARS-CoV-2 Infections and ACE2: Clinical Outcomes Linked With Increased Morbidity and Mortality in Individuals With Diabetes. <i>Diabetes</i> , 2020, 69, 1875-1886.	0.6	61
11	Diurnal Rhythmicity of Autophagy Is Impaired in the Diabetic Retina. <i>Cells</i> , 2020, 9, 905.	4.1	33
12	LXRs regulate features of age-related macular degeneration and may be a potential therapeutic target. <i>JCI Insight</i> , 2020, 5, .	5.0	33
13	Role of Translational Attenuation in Inherited Retinal Degeneration. , 2019, 60, 4849.		7
14	Progenitor cell combination normalizes retinal vascular development in the oxygen-induced retinopathy (OIR) model. <i>JCI Insight</i> , 2019, 4, .	5.0	24
15	Chemical Proteomics Reveals Soluble Epoxide Hydrolase as a Therapeutic Target for Ocular Neovascularization. <i>ACS Chemical Biology</i> , 2018, 13, 45-52.	3.4	21
16	Improving the Transduction of Bone Marrow-Derived Cells with an Integrase-Defective Lentiviral Vector. <i>Human Gene Therapy Methods</i> , 2018, 29, 44-59.	2.1	5
17	Systemic Injection of RPE65-Programmed Bone Marrow-Derived Cells Prevents Progression of Chronic Retinal Degeneration. <i>Molecular Therapy</i> , 2017, 25, 917-927.	8.2	19
18	Ferrochelatase is a therapeutic target for ocular neovascularization. <i>EMBO Molecular Medicine</i> , 2017, 9, 786-801.	6.9	48

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19	Oxidative stress-mediated NF κ B phosphorylation upregulates p62/SQSTM1 and promotes retinal pigmented epithelial cell survival through increased autophagy. <i>PLoS ONE</i> , 2017, 12, e0171940.	2.5	78
20	A novel small molecule ameliorates ocular neovascularisation and synergises with anti-VEGF therapy. <i>Scientific Reports</i> , 2016, 6, 25509.	3.3	60
21	CX3CR1 deficiency accelerates the development of retinopathy in a rodent model of type 1 diabetes. <i>Journal of Molecular Medicine</i> , 2016, 94, 1255-1265.	3.9	32
22	A Non-Canonical Role for β -Secretase in the Retina. <i>Advances in Experimental Medicine and Biology</i> , 2016, 854, 333-339.	1.6	5
23	PPAR γ / δ selectively regulates phenotypic features of age-related macular degeneration. <i>Aging</i> , 2016, 8, 1952-1978.	3.1	32
24	A Simple Optical Coherence Tomography Quantification Method for Choroidal Neovascularization. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2015, 31, 447-454.	1.4	37
25	Systemic Vascular Transduction by Capsid Mutant Adeno-Associated Virus After Intravenous Injection. <i>Human Gene Therapy</i> , 2015, 26, 767-776.	2.7	11
26	Vasoreparative Dysfunction of CD34+ Cells in Diabetic Individuals Involves Hypoxic Desensitization and Impaired Autocrine/Paracrine Mechanisms. <i>PLoS ONE</i> , 2014, 9, e93965.	2.5	54
27	Dysregulated autophagy in the RPE is associated with increased susceptibility to oxidative stress and AMD. <i>Autophagy</i> , 2014, 10, 1989-2005.	9.1	352
28	Regulation of Retinal Inflammation by Rhythmic Expression of MiR-146a in Diabetic Retina. , 2014, 55, 3986.		61
29	Studying melanin and lipofuscin in RPE cell culture models. <i>Experimental Eye Research</i> , 2014, 126, 61-67.	2.6	67
30	Changes in the Daily Rhythm of Lipid Metabolism in the Diabetic Retina. <i>PLoS ONE</i> , 2014, 9, e95028.	2.5	38
31	<i>Per2</i> Mutation Recapitulates the Vascular Phenotype of Diabetes in the Retina and Bone Marrow. <i>Diabetes</i> , 2013, 62, 273-282.	0.6	61
32	Aryl hydrocarbon receptor deficiency causes dysregulated cellular matrix metabolism and age-related macular degeneration-like pathology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4069-78.	7.1	74
33	Autophagy and heterophagy dysregulation leads to retinal pigment epithelium dysfunction and development of age-related macular degeneration. <i>Autophagy</i> , 2013, 9, 973-984.	9.1	279
34	Autophagy in the Retina: A Potential Role in Age-Related Macular Degeneration. <i>Advances in Experimental Medicine and Biology</i> , 2012, 723, 83-90.	1.6	112
35	β -Secretase (BACE1) inhibition causes retinal pathology by vascular dysregulation and accumulation of age pigment. <i>EMBO Molecular Medicine</i> , 2012, 4, 980-991.	6.9	125
36	The 5HT1a Receptor Agonist 8-Oh DPAT Induces Protection from Lipofuscin Accumulation and Oxidative Stress in the Retinal Pigment Epithelium. <i>PLoS ONE</i> , 2012, 7, e34468.	2.5	35

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37	β -Secretase Inhibition of Murine Choroidal Neovascularization Is Associated with Reduction of Superoxide and Proinflammatory Cytokines. , 2012, 53, 574.		13
38	Mitochondrial DNA Damage and Repair in RPE Associated with Aging and Age-Related Macular Degeneration. , 2011, 52, 3521.		126
39	β -Secretase and Presenilin Mediate Cleavage and Phosphorylation of Vascular Endothelial Growth Factor Receptor-1. Journal of Biological Chemistry, 2011, 286, 42514-42523.	3.4	41
40	PEDF Regulates Vascular Permeability by a β -Secretase-Mediated Pathway. PLoS ONE, 2011, 6, e21164.	2.5	60
41	Multiplex analysis of age-related protein and lipid modifications in human Bruch's membrane. FASEB Journal, 2010, 24, 4816-4824.	0.5	1
42	Inhibition of Plasminogen Activator Inhibitor (PAI)-1 Corrects Diabetic CD34+ Dysfunction.. Blood, 2010, 116, 1601-1601.	1.4	1
43	Regulation of Adult Hematopoietic Stem Cells Fate for Enhanced Tissue-specific Repair. Molecular Therapy, 2009, 17, 1594-1604.	8.2	31
44	Diabetic retinopathy is associated with bone marrow neuropathy and a depressed peripheral clock. Journal of Experimental Medicine, 2009, 206, 2897-2906.	8.5	219
45	Effect of signal intensity normalization on the multivariate analysis of spectral data in complex "real-world" datasets. Journal of Raman Spectroscopy, 2009, 40, 429-435.	2.5	36
46	The Phototoxicity of Aged Human Retinal Melanosomes^{â€‹}. Photochemistry and Photobiology, 2008, 84, 650-657.	2.5	57
47	Mitochondrial DNA damage and its potential role in retinal degeneration. Progress in Retinal and Eye Research, 2008, 27, 596-607.	15.5	231
48	Retinal Pigment Epithelium Lipofuscin Proteomics. Molecular and Cellular Proteomics, 2008, 7, 1397-1405.	3.8	145
49	Photocytotoxicity of lipofuscin in human retinal pigment epithelial cells. Free Radical Biology and Medicine, 2001, 31, 256-265.	2.9	176
50	The Role of Oxidative Stress in the Pathogenesis of Age-Related Macular Degeneration. Survey of Ophthalmology, 2000, 45, 115-134.	4.0	1,779