Michael E Boulton

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2776018/publications.pdf

Version: 2024-02-01

50	6,204	172457	223800
papers	citations	29 h-index	46 g-index

53	53	53	7162
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Role of Oxidative Stress in the Pathogenesis of Age-Related Macular Degeneration. Survey of Ophthalmology, 2000, 45, 115-134.	4.0	1,779
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (edition	9.1	1,430
3	Dysregulated autophagy in the RPE is associated with increased susceptibility to oxidative stress and AMD. Autophagy, 2014, 10, 1989-2005.	9.1	352
4	Autophagy and heterophagy dysregulation leads to retinal pigment epithelium dysfunction and development of age-related macular degeneration. Autophagy, 2013, 9, 973-984.	9.1	279
5	Mitochondrial DNA damage and its potential role in retinal degeneration. Progress in Retinal and Eye Research, 2008, 27, 596-607.	15.5	231
6	Diabetic retinopathy is associated with bone marrow neuropathy and a depressed peripheral clock. Journal of Experimental Medicine, 2009, 206, 2897-2906.	8.5	219
7	Photocytotoxicity of lipofuscin in human retinal pigment epithelial cells. Free Radical Biology and Medicine, 2001, 31, 256-265.	2.9	176
8	Retinal Pigment Epithelium Lipofuscin Proteomics. Molecular and Cellular Proteomics, 2008, 7, 1397-1405.	3.8	145
9	Mitochondrial DNA Damage and Repair in RPE Associated with Aging and Age-Related Macular Degeneration. , 2011, 52, 3521.		126
10	Î²â€Secretase (BACE1) inhibition causes retinal pathology by vascular dysregulation and accumulation of age pigment. EMBO Molecular Medicine, 2012, 4, 980-991.	6.9	125
11	Autophagy in the Retina: A Potential Role in Age-Related Macular Degeneration. Advances in Experimental Medicine and Biology, 2012, 723, 83-90.	1.6	112
12	Oxidative stress-mediated NFÎºB phosphorylation upregulates p62/SQSTM1 and promotes retinal pigmented epithelial cell survival through increased autophagy. PLoS ONE, 2017, 12, e0171940.	2.5	78
13	Aryl hydrocarbon receptor deficiency causes dysregulated cellular matrix metabolism and age-related macular degeneration-like pathology. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4069-78.	7.1	74
14	Studying melanin and lipofuscin in RPE cell culture models. Experimental Eye Research, 2014, 126, 61-67.	2.6	67
15	Per2 Mutation Recapitulates the Vascular Phenotype of Diabetes in the Retina and Bone Marrow. Diabetes, 2013, 62, 273-282.	0.6	61
16	Regulation of Retinal Inflammation by Rhythmic Expression of MiR-146a in Diabetic Retina. , 2014, 55, 3986.		61
17	SARS-CoV-2 Infections and ACE2: Clinical Outcomes Linked With Increased Morbidity and Mortality in Individuals With Diabetes. Diabetes, 2020, 69, 1875-1886.	0.6	61
18	A novel small molecule ameliorates ocular neovascularisation and synergises with anti-VEGF therapy. Scientific Reports, 2016, 6, 25509.	3.3	60

#	Article	IF	Citations
19	PEDF Regulates Vascular Permeability by a Î³-Secretase-Mediated Pathway. PLoS ONE, 2011, 6, e21164.	2.5	60
20	The Phototoxicity of Aged Human Retinal Melanosomes^{â€}. Photochemistry and Photobiology, 2008, 84, 650-657.	2.5	57
21	Autophagy in age-related macular degeneration. Autophagy, 2023, 19, 388-400.	9.1	56
22	Vasoreparative Dysfunction of CD34+ Cells in Diabetic Individuals Involves Hypoxic Desensitization and Impaired Autocrine/Paracrine Mechanisms. PLoS ONE, 2014, 9, e93965.	2.5	54
23	Ferrochelatase is a therapeutic target for ocular neovascularization. EMBO Molecular Medicine, 2017, 9, 786-801.	6.9	48
24	Î³-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
25	Changes in the Daily Rhythm of Lipid Metabolism in the Diabetic Retina. PLoS ONE, 2014, 9, e95028.	2.5	38
26	A Simple Optical Coherence Tomography Quantification Method for Choroidal Neovascularization. Journal of Ocular Pharmacology and Therapeutics, 2015, 31, 447-454.	1.4	37
27	Effect of signal intensity normalization on the multivariate analysis of spectral data in complex â€˜realâ€worldâ€™ datasets. Journal of Raman Spectroscopy, 2009, 40, 429-435.	2.5	36
28	The 5HT1a Receptor Agonist 8-Oh DPAT Induces Protection from Lipofuscin Accumulation and Oxidative Stress in the Retinal Pigment Epithelium. PLoS ONE, 2012, 7, e34468.	2.5	35
29	Diurnal Rhythmicity of Autophagy Is Impaired in the Diabetic Retina. Cells, 2020, 9, 905.	4.1	33
30	LXRs regulate features of age-related macular degeneration and may be a potential therapeutic target. JCI Insight, 2020, 5, .	5.0	33
31	CX3CR1 deficiency accelerates the development of retinopathy in a rodent model of type 1 diabetes. Journal of Molecular Medicine, 2016, 94, 1255-1265.	3.9	32
32	PPARÎ²/Î´ selectively regulates phenotypic features of age-related macular degeneration. Aging, 2016, 8, 1952-1978.	3.1	32
33	Regulation of Adult Hematopoietic Stem Cells Fate for Enhanced Tissue-specific Repair. Molecular Therapy, 2009, 17, 1594-1604.	8.2	31
34	Progenitor cell combination normalizes retinal vascular development in the oxygen-induced retinopathy (OIR) model. JCI Insight, 2019, 4, .	5.0	24
35	Chemical Proteomics Reveals Soluble Epoxide Hydrolase as a Therapeutic Target for Ocular Neovascularization. ACS Chemical Biology, 2018, 13, 45-52.	3.4	21
36	Systemic Injection of RPE65-Programmed Bone Marrow-Derived Cells Prevents Progression of Chronic Retinal Degeneration. Molecular Therapy, 2017, 25, 917-927.	8.2	19

#	Article	IF	Citations
37	Î³-Secretase Inhibition of Murine Choroidal Neovascularization Is Associated with Reduction of Superoxide and Proinflammatory Cytokines. , 2012, 53, 574.		13
38	Systemic Vascular Transduction by Capsid Mutant Adeno-Associated Virus After Intravenous Injection. Human Gene Therapy, 2015, 26, 767-776.	2.7	11
39	Tribbles Homolog 3 Mediates the Development and Progression of Diabetic Retinopathy. Diabetes, 2021, 70, 1738-1753.	0.6	11
40	BACE1 Inhibition Increases Susceptibility to Oxidative Stress by Promoting Mitochondrial Damage. Antioxidants, 2021, 10, 1539.	5.1	8
41	Specific mesoderm subset derived from human pluripotent stem cells ameliorates microvascular pathology in type 2 diabetic mice. Science Advances, 2022, 8, eabm5559.	10.3	8
42	Role of Translational Attenuation in Inherited Retinal Degeneration. , 2019, 60, 4849.		7
43	A Non-Canonical Role for Î²-Secretase in the Retina. Advances in Experimental Medicine and Biology, 2016, 854, 333-339.	1.6	5
44	Improving the Transduction of Bone Marrowâ€“Derived Cells with an Integrase-Defective Lentiviral Vector. Human Gene Therapy Methods, 2018, 29, 44-59.	2.1	5
45	Potential role for age as a modulator of oral nitrate reductase activity. Nitric Oxide - Biology and Chemistry, 2021, 108, 1-7.	2.7	5
46	Spatial and temporal VEGF receptor intracellular trafficking in microvascular and macrovascular endothelial cells. Scientific Reports, 2021, 11, 17400.	3.3	4
47	Multiplex analysis of ageâ€related protein and lipid modifications in human Bruch's membrane. FASEB Journal, 2010, 24, 4816-4824.	0.5	1
48	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. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 2987-2994.	1.9	1
49	Inhibition of Plasminogen Activator Inhibitor (PAI)-1 Corrects Diabetic CD34+ Dysfunction.. Blood, 2010, 116, 1601-1601.	1.4	1
50	Supplemental nitrite increases choroidal neovascularization in mice. Nitric Oxide - Biology and Chemistry, 2021, 117, 7-15.	2.7	0