Michael B Powner

List of Publications by Year
in descending order

35 papers	2,070 citations	430874 18 h-index	395702 33 g-index
37 all docs	37 docs citations	37 times ranked	3198 citing authors

#	Article	IF	Citations
1	Perifoveal MÃ¼ller Cell Depletion in a Case of Macular Telangiectasia Type 2. Ophthalmology, 2010, 117, 2407-2416.	5.2	234
2	Stem cells in retinal regeneration: past, present and future. Development (Cambridge), 2013, 140, 2576-2585.	2.5	213
3	Retinal lipid and glucose metabolism dictates angiogenesis through the lipid sensor Ffar1. Nature Medicine, 2016, 22, 439-445.	30.7	183
4	Loss of MÃ¼ller's Cells and Photoreceptors inÂMacular Telangiectasia TypeÂ2. Ophthalmology, 2013, 120, 2344-2352.	5.2	181
5	Development of human embryonic stem cell therapies for age-related macular degeneration. Trends in Neurosciences, 2013, 36, 385-395.	8.6	150
6	The Effects of Macular Ischemia on Visual Acuity in Diabetic Retinopathy. , 2013, 54, 2353.		138
7	Treatment with 670 nm Light Up Regulates Cytochrome C Oxidase Expression and Reduces Inflammation in an Age-Related Macular Degeneration Model. PLoS ONE, 2013, 8, e57828.	2.5	131
8	Patterns of Peripheral Retinal and Central Macula Ischemia in Diabetic Retinopathy as Evaluated by Ultra-widefield Fluorescein Angiography. American Journal of Ophthalmology, 2014, 158, 144-153.e1.	3.3	122
9	Astrocyte-Derived Vascular Endothelial Growth Factor Stabilizes Vessels in the Developing Retinal Vasculature. PLoS ONE, 2010, 5, e11863.	2.5	120
10	Differential Apicobasal VEGF Signaling at Vascular Blood-Neural Barriers. Developmental Cell, 2014, 30, 541-552.	7.0	79
11	Rescue of the MERTK phagocytic defect in a human iPSC disease model using translational read-through inducing drugs. Scientific Reports, 2017, 7, 51.	3.3	55
12	Expression of Neonatal Fc Receptor in the Eye. , 2014, 55, 1607.		54
13	Death by color: differential cone loss in the aging mouse retina. Neurobiology of Aging, 2014, 35, 2584-2591.	3.1	36
14	Improving Mitochondrial Function Protects Bumblebees from Neonicotinoid Pesticides. PLoS ONE, 2016, 11, e0166531.	2.5	32
15	Quantification of vascular tortuosity as an early outcome measure in oxygen induced retinopathy (OIR). Experimental Eye Research, 2014, 120, 55-60.	2.6	27
16	Visualization of gene expression in whole mouse retina by in situ hybridization. Nature Protocols, 2012, 7, 1086-1096.	12.0	25
17	Evaluation of Nonperfused Retinal Vessels in Ischemic Retinopathy. , 2016, 57, 5031.		25
18	Mislocalisation of BEST1 in iPSC-derived retinal pigment epithelial cells from a family with autosomal dominant vitreoretinochoroidopathy (ADVIRC). Scientific Reports, 2016, 6, 33792.	3.3	25

#	Article	IF	Citations
19	Von Hippel-Lindau protein in the RPE is essential for normal ocular growth and vascular development. Development (Cambridge), 2012, 139, 2340-2350.	2.5	23
20	Using Stem Cells to Model Diseases of the Outer Retina. Computational and Structural Biotechnology Journal, 2015, 13, 382-389.	4.1	23
21	Pilot Application of iTRAQ to the Retinal Disease Macular Telangiectasia. Journal of Proteome Research, 2012, 11, 537-553.	3.7	22
22	Basement membrane changes in capillaries of the ageing human retina. British Journal of Ophthalmology, 2011, 95, 1316-1322.	3.9	17
23	Primate retinal cones express phosphorylated tau associated with neuronal degeneration yet survive in old age. Experimental Eye Research, 2017, 165, 105-108.	2.6	16
24	No evidence for loss of short-wavelength sensitive cone photoreceptors in normal ageing of the primate retina. Scientific Reports, 2017, 7, 46346.	3.3	16
25	Fundamental differences in patterns of retinal ageing between primates and mice. Scientific Reports, 2019, 9, 12574.	3.3	14
26	Neuropilin 1 Involvement in Choroidal and Retinal Neovascularisation. PLoS ONE, 2017, 12, e0169865.	2.5	14
27	Neural Retinal Regeneration with Pluripotent Stem Cells. Developments in Ophthalmology, 2014, 53, 97-110.	0.1	13
28	Intravitreally Injected Anti-VEGF Antibody Reduces Brown Fat in Neonatal Mice. PLoS ONE, 2015, 10, e0134308.	2.5	13
29	Pleiotropic action of CpG-ODN on endothelium and macrophages attenuates angiogenesis through distinct pathways. Scientific Reports, 2016, 6, 31873.	3.3	13
30	The 3D organisation of mitochondria in primate photoreceptors. Scientific Reports, 2021, 11, 18863.	3.3	11
31	FUNDUS-WIDE SUBRETINAL AND PIGMENT EPITHELIAL ABNORMALITIES IN MACULAR TELANGIECTASIA TYPE 2. Retina, 2018, 38, S105-S113.	1.7	10
32	Depot Indocyanine green dye forin vivovisualization of infiltrating leukocytes. DMM Disease Models and Mechanisms, 2015, 8, 1479-87.	2.4	9
33	The Leber Congenital Amaurosis Protein AIPL1 and EB Proteins Co-Localize at the Photoreceptor Cilium. PLoS ONE, 2015, 10, e0121440.	2.5	8
34	Mitochondrial absorption of short wavelength light drives primate blue retinal cones into glycolysis which may increase their pace of aging. Visual Neuroscience, 2019, 36, E007.	1.0	7
35	Assessment of the Complex Refractive Indices of Xenopus Laevis Sciatic Nerve for the Optimization of Optical (NIR) Neurostimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2306-2314.	4.9	4