

# Michael B Powner

## List of Publications by Year in descending order

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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	The 3D organisation of mitochondria in primate photoreceptors. <i>Scientific Reports</i> , 2021, 11, 18863.	3.3	11
2	Fundamental differences in patterns of retinal ageing between primates and mice. <i>Scientific Reports</i> , 2019, 9, 12574.	3.3	14
3	Mitochondrial absorption of short wavelength light drives primate blue retinal cones into glycolysis which may increase their pace of aging. <i>Visual Neuroscience</i> , 2019, 36, E007.	1.0	7
4	FUNDUS-WIDE SUBRETINAL AND PIGMENT EPITHELIAL ABNORMALITIES IN MACULAR TELANGIECTASIA TYPE 2. <i>Retina</i> , 2018, 38, S105-S113.	1.7	10
5	Assessment of the Complex Refractive Indices of <i>Xenopus Laevis</i> Sciatic Nerve for the Optimization of Optical (NIR) Neurostimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 2306-2314.	4.9	4
6	Rescue of the MERTK phagocytic defect in a human iPSC disease model using translational read-through inducing drugs. <i>Scientific Reports</i> , 2017, 7, 51.	3.3	55
7	Primate retinal cones express phosphorylated tau associated with neuronal degeneration yet survive in old age. <i>Experimental Eye Research</i> , 2017, 165, 105-108.	2.6	16
8	No evidence for loss of short-wavelength sensitive cone photoreceptors in normal ageing of the primate retina. <i>Scientific Reports</i> , 2017, 7, 46346.	3.3	16
9	Neuropilin 1 Involvement in Choroidal and Retinal Neovascularisation. <i>PLoS ONE</i> , 2017, 12, e0169865.	2.5	14
10	Evaluation of Nonperfused Retinal Vessels in Ischemic Retinopathy. , 2016, 57, 5031.		25
11	Improving Mitochondrial Function Protects Bumblebees from Neonicotinoid Pesticides. <i>PLoS ONE</i> , 2016, 11, e0166531.	2.5	32
12	Pleiotropic action of CpG-ODN on endothelium and macrophages attenuates angiogenesis through distinct pathways. <i>Scientific Reports</i> , 2016, 6, 31873.	3.3	13
13	Mislocalisation of BEST1 in iPSC-derived retinal pigment epithelial cells from a family with autosomal dominant vitreoretinopathy (ADVIRC). <i>Scientific Reports</i> , 2016, 6, 33792.	3.3	25
14	Retinal lipid and glucose metabolism dictates angiogenesis through the lipid sensor Ffar1. <i>Nature Medicine</i> , 2016, 22, 439-445.	30.7	183
15	Intravitreally Injected Anti-VEGF Antibody Reduces Brown Fat in Neonatal Mice. <i>PLoS ONE</i> , 2015, 10, e0134308.	2.5	13
16	Using Stem Cells to Model Diseases of the Outer Retina. <i>Computational and Structural Biotechnology Journal</i> , 2015, 13, 382-389.	4.1	23
17	Depot Indocyanine green dye for <i>in vivo</i> visualization of infiltrating leukocytes. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 1479-87.	2.4	9
18	The Leber Congenital Amaurosis Protein APL1 and EB Proteins Co-Localize at the Photoreceptor Cilium. <i>PLoS ONE</i> , 2015, 10, e0121440.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Differential Apicobasal VEGF Signaling at Vascular Blood-Neural Barriers. <i>Developmental Cell</i> , 2014, 30, 541-552.	7.0	79
20	Death by color: differential cone loss in the aging mouse retina. <i>Neurobiology of Aging</i> , 2014, 35, 2584-2591.	3.1	36
21	Quantification of vascular tortuosity as an early outcome measure in oxygen induced retinopathy (OIR). <i>Experimental Eye Research</i> , 2014, 120, 55-60.	2.6	27
22	Neural Retinal Regeneration with Pluripotent Stem Cells. <i>Developments in Ophthalmology</i> , 2014, 53, 97-110.	0.1	13
23	Patterns of Peripheral Retinal and Central Macula Ischemia in Diabetic Retinopathy as Evaluated by Ultra-widefield Fluorescein Angiography. <i>American Journal of Ophthalmology</i> , 2014, 158, 144-153.e1.	3.3	122
24	Expression of Neonatal Fc Receptor in the Eye. , 2014, 55, 1607.		54
25	Loss of Müller's Cells and Photoreceptors in Macular Telangiectasia Type 2. <i>Ophthalmology</i> , 2013, 120, 2344-2352.	5.2	181
26	Development of human embryonic stem cell therapies for age-related macular degeneration. <i>Trends in Neurosciences</i> , 2013, 36, 385-395.	8.6	150
27	Stem cells in retinal regeneration: past, present and future. <i>Development (Cambridge)</i> , 2013, 140, 2576-2585.	2.5	213
28	The Effects of Macular Ischemia on Visual Acuity in Diabetic Retinopathy. , 2013, 54, 2353.		138
29	Treatment with 670 nm Light Up Regulates Cytochrome C Oxidase Expression and Reduces Inflammation in an Age-Related Macular Degeneration Model. <i>PLoS ONE</i> , 2013, 8, e57828.	2.5	131
30	Von Hippel-Lindau protein in the RPE is essential for normal ocular growth and vascular development. <i>Development (Cambridge)</i> , 2012, 139, 2340-2350.	2.5	23
31	Visualization of gene expression in whole mouse retina by in situ hybridization. <i>Nature Protocols</i> , 2012, 7, 1086-1096.	12.0	25
32	Pilot Application of iTRAQ to the Retinal Disease Macular Telangiectasia. <i>Journal of Proteome Research</i> , 2012, 11, 537-553.	3.7	22
33	Basement membrane changes in capillaries of the ageing human retina. <i>British Journal of Ophthalmology</i> , 2011, 95, 1316-1322.	3.9	17
34	Perifoveal Müller Cell Depletion in a Case of Macular Telangiectasia Type 2. <i>Ophthalmology</i> , 2010, 117, 2407-2416.	5.2	234
35	Astrocyte-Derived Vascular Endothelial Growth Factor Stabilizes Vessels in the Developing Retinal Vasculature. <i>PLoS ONE</i> , 2010, 5, e11863.	2.5	120