

# James B Hurley

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48  
papers

4,656  
citations

24  
h-index

56  
g-index

56  
ext. papers

5,353  
ext. citations

7.8  
avg, IF

4.63  
L-index

#	Paper	IF	Citations
48	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.	14.2	2783
47	A thyroid hormone receptor that is required for the development of green cone photoreceptors. <i>Nature Genetics</i> , <b>2001</b> , 27, 94-8	36.3	397
46	Biochemical adaptations of the retina and retinal pigment epithelium support a metabolic ecosystem in the vertebrate eye. <i>ELife</i> , <b>2017</b> , 6,	8.9	146
45	Glucose, lactate, and shuttling of metabolites in vertebrate retinas. <i>Journal of Neuroscience Research</i> , <b>2015</b> , 93, 1079-92	4.4	127
44	Deregulated Myc requires MondoA/Mlx for metabolic reprogramming and tumorigenesis. <i>Cancer Cell</i> , <b>2015</b> , 27, 271-85	24.3	124
43	Pyruvate kinase and aspartate-glutamate carrier distributions reveal key metabolic links between neurons and glia in retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 15579-84	11.5	83
42	The retinal pigment epithelium utilizes fatty acids for ketogenesis. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 20570-82	5.4	81
41	Flow of energy in the outer retina in darkness and in light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 8599-604	11.5	81
40	Identification of a zebrafish cone photoreceptor-specific promoter and genetic rescue of achromatopsia in the <i>nof</i> mutant. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 522-9		64
39	Reductive carboxylation is a major metabolic pathway in the retinal pigment epithelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 14710-14715	11.5	59
38	Phototransduction Influences Metabolic Flux and Nucleotide Metabolism in Mouse Retina. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 4698-710	5.4	58
37	Functional characterization of missense mutations at codon 838 in retinal guanylate cyclase correlates with disease severity in patients with autosomal dominant cone-rod dystrophy. <i>Human Molecular Genetics</i> , <b>2000</b> , 9, 3065-73	5.6	56
36	Reprogramming metabolism by targeting sirtuin 6 attenuates retinal degeneration. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 4659-4673	15.9	52
35	Inhibition of mitochondrial pyruvate transport by zaprinast causes massive accumulation of aspartate at the expense of glutamate in the retina. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 36129-40	5.4	51
34	Human retinal pigment epithelial cells prefer proline as a nutrient and transport metabolic intermediates to the retinal side. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 12895-12905	5.4	48
33	Probing Metabolism in the Intact Retina Using Stable Isotope Tracers. <i>Methods in Enzymology</i> , <b>2015</b> , 561, 149-70	1.7	45
32	Loss of MPC1 reprograms retinal metabolism to impair visual function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 3530-3535	11.5	43

31	Cytosolic reducing power preserves glutamate in retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 18501-6	11.5	41
30	Mitochondria Maintain Distinct Ca Pools in Cone Photoreceptors. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 20616-20723	6.0	30
29	Affinities of bovine photoreceptor cGMP phosphodiesterases for rod and cone inhibitory subunits. <i>FEBS Letters</i> , <b>1993</b> , 318, 157-61	3.8	30
28	Succinate Can Shuttle Reducing Power from the Hypoxic Retina to the O-Rich Pigment Epithelium. <i>Cell Reports</i> , <b>2020</b> , 31, 107606	10.6	29
27	Scotopic and Photopic Visual Thresholds and Spatial and Temporal Discrimination Evaluated by Behavior of Mice in a Water Maze $\square$ <i>Photochemistry and Photobiology</i> , <b>2006</b> , 82, 1489-1494	3.6	28
26	Pyruvate kinase M2 regulates photoreceptor structure, function, and viability. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 240	9.8	25
25	Shedding light on adaptation. <i>Journal of General Physiology</i> , <b>2002</b> , 119, 125-8	3.4	24
24	Normal light response, photoreceptor integrity, and rhodopsin dephosphorylation in mice lacking both protein phosphatases with EF hands (PPEF-1 and PPEF-2). <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 8605-14	4.8	21
23	Increasing Ca in photoreceptor mitochondria alters metabolites, accelerates photoresponse recovery, and reveals adaptations to mitochondrial stress. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 1067-1085	12.7	17
22	Monitoring calcium-induced conformational changes in recoverin by electrospray mass spectrometry. <i>Protein Science</i> , <b>1997</b> , 6, 843-50	6.3	16
21	Impact of euthanasia, dissection and postmortem delay on metabolic profile in mouse retina and RPE/choroid. <i>Experimental Eye Research</i> , <b>2018</b> , 174, 113-120	3.7	15
20	Daily mitochondrial dynamics in cone photoreceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28816-28827	11.5	11
19	Mitochondrial Calcium Uniporter (MCU) deficiency reveals an alternate path for Ca uptake in photoreceptor mitochondria. <i>Scientific Reports</i> , <b>2020</b> , 10, 16041	4.9	11
18	Non-photopic and photopic visual cycles differentially regulate immediate, early, and late phases of cone photoreceptor-mediated vision. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 6482-6497	5.4	9
17	Deficient glucose and glutamine metabolism in knockout mice contributes to altered visual function. <i>Molecular Vision</i> , <b>2016</b> , 22, 1198-1212	2.3	9
16	Retina Metabolism and Metabolism in the Pigmented Epithelium: A Busy Intersection. <i>Annual Review of Vision Science</i> , <b>2021</b> , 7, 665-692	8.2	8
15	How Excessive cGMP Impacts Metabolic Proteins in Retinas at the Onset of Degeneration. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1074, 289-295	3.6	6
14	Effect of selectively knocking down key metabolic genes in Müller glia on photoreceptor health. <i>Glia</i> , <b>2021</b> , 69, 1966-1986	9	5

13	Absence of retbindin blocks glycolytic flux, disrupts metabolic homeostasis, and leads to photoreceptor degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
12	Retinal disease: How to use proteomics to speed up diagnosis and metabolomics to slow down degeneration. <i>EBioMedicine</i> , <b>2020</b> , 53, 102687	8.8	3
11	Recoverin and Ca <sup>2+</sup> in vertebrate phototransduction. <i>Behavioral and Brain Sciences</i> , <b>1995</b> , 18, 425	0.9	3
10	An Analysis of Metabolic Changes in the Retina and Retinal Pigment Epithelium of Aging Mice <b>2021</b> , 62, 20		2
9	Succinate can shuttle reducing power from the hypoxic retina to the O <sub>2</sub> -rich pigment epithelium		2
8	Monocarboxylate Transporter 1 (MCT1) mediates succinate export in the retina		1
7	Warburg's vision. <i>ELife</i> , <b>2017</b> , 6,	8.9	1
6	Biochemical adaptations of the retina and retinal pigment epithelium support a metabolic ecosystem in the vertebrate eye		1
5	Mitochondria: The Retina's Achilles Heel in AMD. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1256, 237-264	3.6	1
4	Preparing Fresh Retinal Slices from Adult Zebrafish for Ex Vivo Imaging Experiments. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	1
3	Monocarboxylate Transporter 1 (MCT1) Mediates Succinate Export in the Retina. <b>2022</b> , 63, 1		1
2	Recoverin, a calcium-binding protein in photoreceptors. <i>Behavioral and Brain Sciences</i> , <b>1995</b> , 18, 497	0.9	0
1	Extracellular matrix dysfunction in Sorsby patient-derived retinal pigment epithelium.. <i>Experimental Eye Research</i> , <b>2021</b> , 215, 108899	3.7	0