

# Dennis Yan-yin Tse

## List of Publications by Citations

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26  
papers

998  
citations

14  
h-index

29  
g-index

29  
ext. papers

1,292  
ext. citations

5.3  
avg, IF

4.32  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 26 | mTORC1-independent TFEB activation via Akt inhibition promotes cellular clearance in neurodegenerative storage diseases. <i>Nature Communications</i> , <b>2017</b> , 8, 14338   | 17.4 | 215       |
| 25 | Defocus Incorporated Soft Contact (DISC) lens slows myopia progression in Hong Kong Chinese schoolchildren: a 2-year randomised clinical trial. <i>British Journal of Ophthalmology</i> , <b>2014</b> , 98, 40-5           | 5.5  | 172       |
| 24 | Defocus Incorporated Multiple Segments (DIMS) spectacle lenses slow myopia progression: a 2-year randomised clinical trial. <i>British Journal of Ophthalmology</i> , <b>2020</b> , 104, 363-368                           | 5.5  | 88        |
| 23 | Elevated intraocular pressure causes inner retinal dysfunction before cell loss in a mouse model of experimental glaucoma <b>2013</b> , 54, 762-70   |      | 84        |
| 22 | Trehalose reduces retinal degeneration, neuroinflammation and storage burden caused by a lysosomal hydrolase deficiency. <i>Autophagy</i> , <b>2018</b> , 14, 1419-1434  | 10.2 | 62        |
| 21 | Simultaneous defocus integration during refractive development. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 5352-9   |      | 58        |
| 20 | Central Role of Oxidative Stress in Age-Related Macular Degeneration: Evidence from a Review of the Molecular Mechanisms and Animal Models. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 7901270 | 6.7  | 47        |
| 19 | Graded competing regional myopic and hyperopic defocus produce summated emmetropization set points in chick <b>2011</b> , 52, 8056-62  |      | 34        |
| 18 | Integration of defocus by dual power Fresnel lenses inhibits myopia in the mammalian eye <b>2014</b> , 55, 908-17  |      | 30        |
| 17 | Phosphatidylinositol-3-phosphate is light-regulated and essential for survival in retinal rods. <i>Scientific Reports</i> , <b>2016</b> , 6, 26978   | 4.9  | 27        |
| 16 | Prolonged elevation of intraocular pressure results in retinal ganglion cell loss and abnormal retinal function in mice. <i>Experimental Eye Research</i> , <b>2015</b> , 130, 29-37                                       | 3.7  | 24        |
| 15 | Egr-1 mRNA expression is a marker for the direction of mammalian ocular growth <b>2014</b> , 55, 5911-21   |      | 22        |
| 14 | The Effect of Spectacle Lenses Containing Peripheral Defocus on Refractive Error and Horizontal Eye Shape in the Guinea Pig <b>2017</b> , 58, 2705-2714  |      | 16        |
| 13 | Integrated SWATH-based and targeted-based proteomics provide insights into the retinal emmetropization process in guinea pig. <i>Journal of Proteomics</i> , <b>2018</b> , 181, 1-15                                       | 3.9  | 16        |
| 12 | Pharmacological inhibitions of glutamate transporters EAAT1 and EAAT2 compromise glutamate transport in photoreceptor to ON-bipolar cell synapses. <i>Vision Research</i> , <b>2014</b> , 103, 49-62                       | 2.1  | 14        |
| 11 | Data on differentially expressed proteins in retinal emmetropization process in guinea pig using integrated SWATH-based and targeted-based proteomics. <i>Data in Brief</i> , <b>2018</b> , 21, 1750-1755                  | 1.2  | 11        |
| 10 | WFDC1 is a key modulator of inflammatory and wound repair responses. <i>American Journal of Pathology</i> , <b>2014</b> , 184, 2951-64   | 5.8  | 9         |

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|---|---|-----|---|
| 9 | Characterization of Retinal Ganglion Cell and Optic Nerve Phenotypes Caused by Sustained Intracranial Pressure Elevation in Mice. <i>Scientific Reports</i> , <b>2018</b> , 8, 2856   | 4.9 | 8 |
| 8 | Possible roles of glutamate transporter EAAT5 in mouse cone depolarizing bipolar cell light responses. <i>Vision Research</i> , <b>2014</b> , 103, 63-74  | 2.1 | 8 |
| 7 | Autophagy Upregulation by the TFEB Inducer Trehalose Protects against Oxidative Damage and Cell Death Associated with NRF2 Inhibition in Human RPE Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 5296341        | 6.7 | 8 |
| 6 | Early quantitative profiling of differential retinal protein expression in lens-induced myopia in guinea pig using fluorescence difference two-dimensional gel electrophoresis. <i>Molecular Medicine Reports</i> , <b>2018</b> , 17, 5571-5580 | 2.9 | 6 |
| 5 | Electrophysiological and Histological Characterization of Rod-Cone Retinal Degeneration and Microglia Activation in a Mouse Model of Mucopolysaccharidosis Type IIIB. <i>Scientific Reports</i> , <b>2015</b> , 5, 17143                        | 4.9 | 6 |
| 4 | The Interactions Between Bright Light and Competing Defocus During Emmetropization in Chicks <b>2018</b> , 59, 2932-2943  |     | 5 |
| 3 | SWATH Based Quantitative Proteomics Reveals Significant Lipid Metabolism in Early Myopic Guinea Pig Retina. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,  | 6.3 | 5 |
| 2 | High-pH reversed-phase fractionated neural retina proteome of normal growing C57BL/6 mouse. <i>Scientific Data</i> , <b>2021</b> , 8, 27  | 8.2 | 4 |
| 1 | The ocular toxicity and pharmacokinetics of simvastatin following intravitreal injection in mice. <i>International Journal of Ophthalmology</i> , <b>2017</b> , 10, 1361-1369   | 1.4 | 3 |