

Micah A Chrenek

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

455
citations

933447

10
h-index

888059

17
g-index

27
all docs

27
docs citations

27
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of clock gene <i>Bmal1</i> from the retina affects retinal development and accelerates cone photoreceptor degeneration during aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13099-13104.	7.1	53
2	In Vivo Imaging of Retinal Oxidative Stress Using a Reactive Oxygen Species-Activated Fluorescent Probe. , 2015, 56, 5862.		35
3	Whole-eye electrical stimulation therapy preserves visual function and structure in P23H-1 rats. <i>Experimental Eye Research</i> , 2016, 149, 75-83.	2.6	35
4	Ambient Light Regulates Retinal Dopamine Signaling and Myopia Susceptibility. , 2021, 62, 28.		35
5	Analysis of RPE morphometry in human eyes. <i>Molecular Vision</i> , 2016, 22, 898-916.	1.1	33
6	Analysis of the RPE Sheet in the rd10 Retinal Degeneration Model. <i>Advances in Experimental Medicine and Biology</i> , 2012, 723, 641-647.	1.6	30
7	Transcriptional Changes in the Mouse Retina after Ocular Blast Injury: A Role for the Immune System. <i>Journal of Neurotrauma</i> , 2018, 35, 118-129.	3.4	26
8	Methodologies for analysis of patterning in the mouse RPE sheet. <i>Molecular Vision</i> , 2015, 21, 40-60.	1.1	22
9	Dopamine 2 Receptor Signaling Controls the Daily Burst in Phagocytic Activity in the Mouse Retinal Pigment Epithelium. , 2020, 61, 10.		20
10	Morphometric Analysis of Retinal Pigment Epithelial Cells From C57BL/6J Mice During Aging. , 2021, 62, 32.		18
11	Wheel running exercise protects against retinal degeneration in the I307N rhodopsin mouse model of inducible autosomal dominant retinitis pigmentosa. <i>Molecular Vision</i> , 2019, 25, 462-476.	1.1	18
12	Low-Intensity Exercise in Mice Is Sufficient to Protect Retinal Function During Light-Induced Retinal Degeneration. , 2019, 60, 1328.		17
13	Systemic Treatment with Nicotinamide Riboside Is Protective in Two Mouse Models of Retinal Ganglion Cell Damage. <i>Pharmaceutics</i> , 2021, 13, 893.	4.5	17
14	Systemic Treatment With Nicotinamide Riboside Is Protective in a Mouse Model of Light-Induced Retinal Degeneration. , 2020, 61, 47.		13
15	Electrophysiologic and Morphologic Strain Differences in a Low-Dose NaIO ₃ -Induced Retinal Pigment Epithelium Damage Model. <i>Translational Vision Science and Technology</i> , 2021, 10, 10.	2.2	13
16	Exercise and Cyclic Light Preconditioning Protect Against Light-Induced Retinal Degeneration and Evoke Similar Gene Expression Patterns. <i>Advances in Experimental Medicine and Biology</i> , 2016, 854, 443-448.	1.6	13
17	Comparison of histologic findings in age-related macular degeneration with RPE flatmount images. <i>Molecular Vision</i> , 2019, 25, 70-78.	1.1	12
18	The Circadian Clock in the Retinal Pigment Epithelium Controls the Diurnal Rhythm of Phagocytic Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5302.	4.1	11

#	ARTICLE	IF	CITATIONS
19	Photoreceptor Degeneration in Homozygous Male Per2 ^{luc} Mice During Aging. Journal of Biological Rhythms, 2021, 36, 137-145.	2.6	7
20	Potential Role of Exercise in Retinal Health. Progress in Molecular Biology and Translational Science, 2015, 134, 491-502.	1.7	6
21	Clustered Regularly Interspaced Short Palindromic Repeats. Asia-Pacific Journal of Ophthalmology, 2016, 5, 304-308.	2.5	6
22	Drug Tissue Distribution of TUDCA From a Biodegradable Suprachoroidal Implant versus Intravitreal or Systemic Delivery in the Pig Model. Translational Vision Science and Technology, 2020, 9, 11.	2.2	6
23	Xanthohumol Protects Morphology and Function in a Mouse Model of Retinal Degeneration. , 2018, 59, 45.		4
24	Initial Assessment of Lactate as Mediator of Exercise-Induced Retinal Protection. Advances in Experimental Medicine and Biology, 2019, 1185, 451-455.	1.6	3
25	Set screw homogenization of murine ocular tissue, including the whole eye. Molecular Vision, 2018, 24, 690-699.	1.1	1
26	A Tropomyosin-Related Kinase B Receptor Activator for the Management of Ocular Blast-Induced Vision Loss. Journal of Neurotrauma, 2021, 38, 2896-2906.	3.4	0