

Matthew M Harper

List of Publications by Year in descending order

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35
papers

1,178
citations

471371

17
h-index

526166

27
g-index

35
all docs

35
docs citations

35
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	Transplantation of BDNF-Secreting Mesenchymal Stem Cells Provides Neuroprotection in Chronically Hypertensive Rat Eyes. , 2011, 52, 4506.		131
2	Retinal Ganglion Cell Damage in an Experimental Rodent Model of Blast-Mediated Traumatic Brain Injury. , 2013, 54, 3440.		109
3	P7C3 Neuroprotective Chemicals Block Axonal Degeneration and Preserve Function after Traumatic Brain Injury. Cell Reports, 2014, 8, 1731-1740.	2.9	101
4	Early Detection of Subclinical Visual Damage After Blast-Mediated TBI Enables Prevention of Chronic Visual Deficit by Treatment With P7C3-S243. Investigative Ophthalmology and Visual Science, 2014, 55, 8330-8341.	3.3	78
5	Effect of enriching the diet with menhaden oil or daily treatment with resolvin D1 on neuropathy in a mouse model of type 2 diabetes. Journal of Neurophysiology, 2015, 114, 199-208.	0.9	74
6	Brain-derived neurotrophic factor released from engineered mesenchymal stem cells attenuates glutamate- and hydrogen peroxide-mediated death of staurosporine-differentiated RGC-5 cells. Experimental Eye Research, 2009, 89, 538-548.	1.2	65
7	Acute Axonal Degeneration Drives Development of Cognitive, Motor, and Visual Deficits after Blast-Mediated Traumatic Brain Injury in Mice. ENeuro, 2016, 3, ENEURO.0220-16.2016.	0.9	65
8	Effect of diet-induced obesity or type 1 or type 2 diabetes on corneal nerves and peripheral neuropathy in C57Bl/6J mice. Journal of the Peripheral Nervous System, 2015, 20, 24-31.	1.4	54
9	Functional and Structural Changes in a Canine Model of Hereditary Primary Angle-Closure Glaucoma. , 2010, 51, 255.		47
10	A combined machine-learning and graph-based framework for the segmentation of retinal surfaces in SD-OCT volumes. Biomedical Optics Express, 2013, 4, 2712.	1.5	46
11	Effect of glycemic control on corneal nerves and peripheral neuropathy in streptozotocin-induced diabetic C57Bl/6J mice. Journal of the Peripheral Nervous System, 2014, 19, 205-217.	1.4	41
12	P7C3-A20 treatment one year after TBI in mice repairs the blood-brain barrier, arrests chronic neurodegeneration, and restores cognition. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27667-27675.	3.3	40
13	Extracellular superoxide dismutase (SOD3) regulates oxidative stress at the vitreoretinal interface. Free Radical Biology and Medicine, 2018, 124, 408-419.	1.3	32
14	Integrins Contribute to Initial Morphological Development and Process Outgrowth in Rat Adult Hippocampal Progenitor Cells. Journal of Molecular Neuroscience, 2010, 40, 269-283.	1.1	29
15	Antibody-Mediated Retinopathies in Canine Patients: Mechanism, Diagnosis, and Treatment Modalities. Veterinary Clinics of North America - Small Animal Practice, 2008, 38, 361-387.	0.5	28
16	Neuroinflammation in advanced canine glaucoma. Molecular Vision, 2010, 16, 2092-108.	1.1	28
17	Characterization of structure and function of the mouse retina using pattern electroretinography, pupil light reflex, and optical coherence tomography. Veterinary Ophthalmology, 2012, 15, 94-104.	0.6	26
18	RetFMJ, an ImageJ-based module for automated counting and quantifying features of nuclei in retinal whole-mounts. Experimental Eye Research, 2016, 146, 386-392.	1.2	24

#	ARTICLE	IF	CITATIONS
19	Blast Preconditioning Protects Retinal Ganglion Cells and Reveals Targets for Prevention of Neurodegeneration Following Blast-Mediated Traumatic Brain Injury. , 2019, 60, 4159.		22
20	Identification of chronic brain protein changes and protein targets of serum auto-antibodies after blast-mediated traumatic brain injury. Heliyon, 2020, 6, e03374.	1.4	21
21	Modulation of Post-Traumatic Immune Response Using the IL-1 Receptor Antagonist Anakinra for Improved Visual Outcomes. Journal of Neurotrauma, 2020, 37, 1463-1480.	1.7	21
22	Blast-Mediated Traumatic Brain Injury Exacerbates Retinal Damage and Amyloidosis in the APPswePSENd19e Mouse Model of Alzheimer's Disease. , 2019, 60, 2716.		17
23	Exogenous modulation of intrinsic optic nerve neuroprotective activity. Graefe's Archive for Clinical and Experimental Ophthalmology, 2010, 248, 1105-1116.	1.0	16
24	Exploring Raman spectroscopy for the evaluation of glaucomatous retinal changes. Journal of Biomedical Optics, 2011, 16, 107006.	1.4	9
25	Cell birth and death in the developing retina of the Brazilian opossum, Monodelphis domestica. Brain Research, 2008, 1195, 28-42.	1.1	7
26	Characterization of the Jet-Flow Overpressure Model of Traumatic Brain Injury in Mice. Neurotrauma Reports, 2021, 2, 1-13.	0.5	7
27	The Retinal Ganglion Cell Response to Blast-Mediated Traumatic Brain Injury Is Genetic Background Dependent. , 2021, 62, 13.		7
28	Sex Does Not Influence Visual Outcomes After Blast-Mediated Traumatic Brain Injury but IL-1 Pathway Mutations Confer Partial Rescue. , 2020, 61, 7.		6
29	Detection and characterization of glaucoma-like canine retinal tissues using Raman spectroscopy. Journal of Biomedical Optics, 2013, 18, 067008.	1.4	5
30	Neprilysin inhibition promotes corneal wound healing. Scientific Reports, 2018, 8, 14385.	1.6	5
31	Dependence of visual and cognitive outcomes on animal holder configuration in a rodent model of blast overpressure exposure. Vision Research, 2021, 188, 162-173.	0.7	5
32	Author Response: Pressure Wave Dosimetry for Retinal Ganglion Cell Damage in an Experimental Rodent Model of Blast-Mediated Traumatic Brain Injury, 2014, 55, 1350.		4
33	Chronic effects of blast injury on the microvasculature in a transgenic mouse model of Alzheimer's disease related A β ² amyloidosis. Fluids and Barriers of the CNS, 2022, 19, 5.	2.4	4
34	High Correlation between Glaucoma Treatment with Topical Prostaglandin Analogs and BDNF Immunoreactivity in Human Retina. Current Eye Research, 2021, 46, 739-745.	0.7	3
35	Decreased Expression of Glial-Derived Neurotrophic Factor Receptors in Glaucomatous Human Retinas. Current Eye Research, 2022, 47, 597-605.	0.7	1