

Denise M Inman

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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.

36
papers

2,874
citations

25
h-index

38
g-index

38
ext. papers

3,289
ext. citations

5.7
avg. IF

5.16
L-index

#	Paper	IF	Citations
36	Progressive ganglion cell degeneration precedes neuronal loss in a mouse model of glaucoma. <i>Journal of Neuroscience</i> , 2008 , 28, 2735-44	6.6	308
35	Distal axonopathy with structural persistence in glaucomatous neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5196-201	11.5	257
34	Reduced retina microglial activation and improved optic nerve integrity with minocycline treatment in the DBA/2J mouse model of glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 1437-46		232
33	Retinal ganglion cells downregulate gene expression and lose their axons within the optic nerve head in a mouse glaucoma model. <i>Journal of Neuroscience</i> , 2008 , 28, 548-61	6.6	229
32	Microarray analysis of retinal gene expression in the DBA/2J model of glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 977-85		180
31	Differential progression of structural and functional alterations in distinct retinal ganglion cell types in a mouse model of glaucoma. <i>Journal of Neuroscience</i> , 2013 , 33, 17444-57	6.6	174
30	Reactive nonproliferative gliosis predominates in a chronic mouse model of glaucoma. <i>Glia</i> , 2007 , 55, 942-53	9	147
29	Genetic approaches to neurotrauma research: opportunities and potential pitfalls of murine models. <i>Experimental Neurology</i> , 1999 , 157, 19-42	5.7	130
28	Metabolic vulnerability disposes retinal ganglion cell axons to dysfunction in a model of glaucomatous degeneration. <i>Journal of Neuroscience</i> , 2010 , 30, 5644-52	6.6	110
27	Quantitative correlation of optic nerve pathology with ocular pressure and corneal thickness in the DBA/2 mouse model of glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 986-96		106
26	Early reduction of microglia activation by irradiation in a model of chronic glaucoma. <i>PLoS ONE</i> , 2012 , 7, e43602	3.7	103
25	Lipoic acid antioxidant treatment limits glaucoma-related retinal ganglion cell death and dysfunction. <i>PLoS ONE</i> , 2013 , 8, e65389	3.7	93
24	Ascending sensory, but not other long-tract axons, regenerate into the connective tissue matrix that forms at the site of a spinal cord injury in mice. <i>Journal of Comparative Neurology</i> , 2003 , 462, 431-49 ³⁻⁴		83
23	Drp1 levels constitutively regulate mitochondrial dynamics and cell survival in cortical neurons. <i>Experimental Neurology</i> , 2009 , 218, 274-85	5.7	75
22	Genetic influences on secondary degeneration and wound healing following spinal cord injury in various strains of mice. <i>Journal of Comparative Neurology</i> , 2002 , 451, 225-35	3.4	74
21	Mitochondrial morphology differences and mitophagy deficit in murine glaucomatous optic nerve. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 1437-46		69
20	Anterograde transport blockade precedes deficits in retrograde transport in the visual projection of the DBA/2J mouse model of glaucoma. <i>Frontiers in Neuroscience</i> , 2014 , 8, 290	5.1	51

19	Treatment with the neurosteroid dehydroepiandrosterone promotes recovery of motor behavior after moderate contusive spinal cord injury in the mouse. <i>Journal of Neuroscience Research</i> , 2004 , 75, 391-400	4.4	51
18	Early pro-inflammatory cytokine elevations in the DBA/2J mouse model of glaucoma. <i>Journal of Neuroinflammation</i> , 2015 , 12, 176	10.1	49
17	Reduced AMPK activation and increased HCAR activation drive anti-inflammatory response and neuroprotection in glaucoma. <i>Journal of Neuroinflammation</i> , 2018 , 15, 313	10.1	47
16	Early astrocyte redistribution in the optic nerve precedes axonopathy in the DBA/2J mouse model of glaucoma. <i>Experimental Eye Research</i> , 2016 , 150, 22-33	3.7	46
15	Metabolic Vulnerability in the Neurodegenerative Disease Glaucoma. <i>Frontiers in Neuroscience</i> , 2017 , 11, 146	5.1	43
14	Structural and Functional Rescue of Chronic Metabolically Stressed Optic Nerves through Respiration. <i>Journal of Neuroscience</i> , 2018 , 38, 5122-5139	6.6	42
13	Physical size does not determine the unique histopathological response seen in the injured mouse spinal cord. <i>Journal of Neurotrauma</i> , 2003 , 20, 33-42	5.4	38
12	Decreased Energy Capacity and Increased Autophagic Activity in Optic Nerve Axons With Defective Anterograde Transport 2015 , 56, 8215-27		29
11	Early Cytoskeletal Protein Modifications Precede Overt Structural Degeneration in the DBA/2J Mouse Model of Glaucoma. <i>Frontiers in Neuroscience</i> , 2016 , 10, 494	5.1	21
10	Higher Reliance on Glycolysis Limits Glycolytic Responsiveness in Degenerating Glaucomatous Optic Nerve. <i>Molecular Neurobiology</i> , 2019 , 56, 7097-7112	6.2	19
9	MCT2 overexpression rescues metabolic vulnerability and protects retinal ganglion cells in two models of glaucoma. <i>Neurobiology of Disease</i> , 2020 , 141, 104944	7.5	17
8	Evidence of Hypoxic Glial Cells in a Model of Ocular Hypertension 2019 , 60, 1-15		17
7	Persistence of intact retinal ganglion cell terminals after axonal transport loss in the DBA/2J mouse model of glaucoma. <i>Journal of Comparative Neurology</i> , 2016 , 524, 3503-3517	3.4	11
6	Crosstalk Between Dysfunctional Mitochondria and Inflammation in Glaucomatous Neurodegeneration. <i>Frontiers in Pharmacology</i> , 2021 , 12, 699623	5.6	9
5	Oxidative Stress and Hypoxia Modify Mitochondrial Homeostasis During Glaucoma. <i>Antioxidants and Redox Signaling</i> , 2021 , 35, 1341-1357	8.4	5
4	Transcorneal Electrical Stimulation Reduces Neurodegenerative Process in a Mouse Model of Glaucoma. <i>Annals of Biomedical Engineering</i> , 2021 , 49, 858-870	4.7	5
3	A new LC-MS/MS technique for separation of gangliosides using a phenyl-hexyl column: Systematic separation according to sialic acid class and ceramide subclass. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2021 , 44, 114-125	1.3	2
2	Changes in ganglioside GM1 expression in glaucomic retina. <i>Journal of Neuroscience Research</i> , 2018 , 96, 1627-1630	4.4	1

- 1 Ocular Hypertension Results in Hypoxia within Glia and Neurons throughout the Visual Projection. *Antioxidants*, **2022**, 11, 888 7.1 ○