

Thomas V Johnson

List of Publications by Year in descending order

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49
papers

1,828
citations

430754

18
h-index

395590

33
g-index

51
all docs

51
docs citations

51
times ranked

2198
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroprotective Effects of Intravitreal Mesenchymal Stem Cell Transplantation in Experimental Glaucoma. , 2010, 51, 2051.		306
2	Rodent models of glaucoma. Brain Research Bulletin, 2010, 81, 349-358.	1.4	151
3	Identification of retinal ganglion cell neuroprotection conferred by platelet-derived growth factor through analysis of the mesenchymal stem cell secretome. Brain, 2014, 137, 503-519.	3.7	148
4	Development and Characterization of an Adult Retinal Explant Organotypic Tissue Culture System as an In Vitro Intraocular Stem Cell Transplantation Model. , 2008, 49, 3503.		119
5	Identification of Barriers to Retinal Engraftment of Transplanted Stem Cells. , 2010, 51, 960.		111
6	Neurotrophic factor delivery as a protective treatment for glaucoma. Experimental Eye Research, 2011, 93, 196-203.	1.2	97
7	Use of an Adult Rat Retinal Explant Model for Screening of Potential Retinal Ganglion Cell Neuroprotective Therapies. , 2011, 52, 3309.		88
8	Toll-like receptors: roles in neuroprotection?. Trends in Neurosciences, 2008, 31, 176-182.	4.2	76
9	Artificial intelligence in glaucoma. Current Opinion in Ophthalmology, 2019, 30, 97-103.	1.3	72
10	T cell independent mechanism for copolymer α 1 β 1 γ 1 δ 1 ϵ 1 ζ 1 η 1 θ 1 ι 1 κ 1 λ 1 μ 1 ν 1 ξ 1 \omicron 1 π 1 ρ 1 σ 1 τ 1 υ 1 ϕ 1 χ 1 ψ 1 ω 1 induced neuroprotection. European Journal of Immunology, 2007, 37, 3143-3154.	1.6	62
11	Cell transplantation approaches to retinal ganglion cell neuroprotection in glaucoma. Current Opinion in Pharmacology, 2013, 13, 78-82.	1.7	55
12	Rebound Tonometry in Conscious, Conditioned Mice Avoids the Acute and Profound Effects of Anesthesia on Intraocular Pressure. Journal of Ocular Pharmacology and Therapeutics, 2008, 24, 175-185.	0.6	46
13	Aqueous Humor Dynamics in Exfoliation Syndrome. JAMA Ophthalmology, 2008, 126, 914.	2.6	42
14	Role of the Internal Limiting Membrane in Structural Engraftment and Topographic Spacing of Transplanted Human Stem Cell-Derived Retinal Ganglion Cells. Stem Cell Reports, 2021, 16, 149-167.	2.3	37
15	Transplantation prospects for the inner retina. Eye, 2009, 23, 1980-1984.	1.1	35
16	Myocilin Stimulates Osteogenic Differentiation of Mesenchymal Stem Cells through Mitogen-activated Protein Kinase Signaling. Journal of Biological Chemistry, 2013, 288, 16882-16894.	1.6	34
17	Myocilin Mediates Myelination in the Peripheral Nervous System through ErbB2/3 Signaling. Journal of Biological Chemistry, 2013, 288, 26357-26371.	1.6	32
18	Stem cells for neuroprotection in glaucoma. Progress in Brain Research, 2008, 173, 511-519.	0.9	28

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19	Stem cell therapy for glaucoma: possibilities and practicalities. <i>Expert Review of Ophthalmology</i> , 2011, 6, 165-174.	0.3	26
20	Time-Lapse Retinal Ganglion Cell Dendritic Field Degeneration Imaged in Organotypic Retinal Explant Culture. , 2016, 57, 253.		26
21	Retinal Ganglion Cell Transplantation: Approaches for Overcoming Challenges to Functional Integration. <i>Cells</i> , 2021, 10, 1426.	1.8	26
22	Effects of Central Corneal Thickness on the Efficacy of Topical Ocular Hypotensive Medications. <i>Journal of Glaucoma</i> , 2008, 17, 89-99.	0.8	23
23	Thermal Stability of Bimatoprost, Latanoprost, and Travoprost Under Simulated Daily Use. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2011, 27, 51-59.	0.6	23
24	A method to quantify regional axonal transport blockade at the optic nerve head after short term intraocular pressure elevation in mice. <i>Experimental Eye Research</i> , 2020, 196, 108035.	1.2	16
25	The internal limiting membrane: Roles in retinal development and implications for emerging ocular therapies. <i>Experimental Eye Research</i> , 2021, 206, 108545.	1.2	16
26	Efficacy and Mechanisms of Intraocular Pressure Reduction With Latanoprost and Timolol in Participants With Ocular Hypertension: A Comparison of 1 and 6 Weeks of Treatment. <i>Journal of Glaucoma</i> , 2010, 19, 356-364.	0.8	15
27	Bacterial DNA Confers Neuroprotection after Optic Nerve Injury by Suppressing CD4 ⁺ CD25 ⁺ Regulatory T-Cell Activity. , 2007, 48, 3441.		14
28	Aqueous Flow Measured by Fluorophotometry in the Mouse. , 2016, 57, 3844.		14
29	Low Sensitivity of the Van Herick Method for Detecting Gonioscopic Angle Closure Independent of Observer Expertise. <i>American Journal of Ophthalmology</i> , 2018, 195, 63-71.	1.7	12
30	Intraocular Pressure Following Prerandomization Glaucoma Medication Washout in the HORIZON and COMPASS Trials. <i>American Journal of Ophthalmology</i> , 2020, 216, 110-120.	1.7	10
31	Ion-Complex Microcrystal Formulation Provides Sustained Delivery of a Multimodal Kinase Inhibitor from the Subconjunctival Space for Protection of Retinal Ganglion Cells. <i>Pharmaceutics</i> , 2021, 13, 647.	2.0	10
32	Home Self-tonometry Trials Compared with Clinic Tonometry in Patients with Glaucoma. <i>Ophthalmology Glaucoma</i> , 2021, 4, 569-580.	0.9	9
33	Factors Influencing Postgraduate Career Decisions of Ophthalmology Residents. <i>Journal of Academic Ophthalmology</i> (2017), 2020, 12, e124-e133.	0.2	7
34	Aquaporin 4 is not present in normal porcine and human lamina cribrosa. <i>PLoS ONE</i> , 2022, 17, e0268541.	1.1	7
35	Analyses of transplanted human retinal ganglion cell morphology and localization in murine organotypic retinal explant culture. <i>STAR Protocols</i> , 2022, 3, 101328.	0.5	6
36	Applicant Characteristics Associated with Glaucoma Fellowship Match from 2010-2017. <i>Ophthalmology Glaucoma</i> , 2021, , .	0.9	5

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37	Electronically Monitored Corticosteroid Eye Drop Adherence after Trabeculectomy Compared to Surgical Success. <i>Ophthalmology Glaucoma</i> , 2022, , .	0.9	5
38	Evolution of Leukemic Retinal Hemorrhages Documented by Spectral-Domain OCT and Color Fundus Photography. <i>Ophthalmology Retina</i> , 2018, 2, 494-501.	1.2	4
39	An Algorithm for Ramp Up of Ophthalmic Elective Surgeries Post-COVID-19. <i>Ophthalmic Epidemiology</i> , 2021, 28, 90-92.	0.8	4
40	Demographics, clinical interests, and ophthalmology skills confidence of medical student volunteers and non-volunteers in an extracurricular community vision screening service-learning program. <i>BMC Medical Education</i> , 2022, 22, 143.	1.0	4
41	Animal Models of Glaucoma. <i>Essentials in Ophthalmology</i> , 2016, , 31-50.	0.0	2
42	Broadening our focus in the search for cell transplantation-based glaucoma therapies. <i>Eye</i> , 2011, 25, 541-543.	1.1	1
43	Reply: Platelet-derived growth factor-BB may be involved in mesenchymal stem cell secretome-induced neuroprotection of retinal ganglion cells. <i>Brain</i> , 2014, 137, e277-e277.	3.7	1
44	Ocular Chemical Burns Secondary to Unintentional Instillation of Aqua Regia Hobbyist Reagent. <i>JAMA Ophthalmology</i> , 2017, 135, 673.	1.4	1
45	Outcomes and Revenue Generation of a Community-based Screening at a Center in the United States: The SToP Glaucoma Program. <i>Journal of Glaucoma</i> , 2022, Publish Ahead of Print, .	0.8	1
46	Response to letter from Dr. Casson et al. regarding "A method to quantify regional axonal transport blockade...". <i>Experimental Eye Research</i> , 2020, 197, 108075.	1.2	0
47	Systemic β -Blockers Do Not Affect Glaucoma Eye Drop Effectiveness. <i>Ophthalmology</i> , 2021, 128, 326-328.	2.5	0
48	Retina-sparing suprachoroidal intraocular foreign body resulting in cyclodialysis cleft. <i>American Journal of Ophthalmology Case Reports</i> , 2022, 26, 101571.	0.4	0
49	Restoring partial vision to a blind patient. <i>Faculty Reviews</i> , 0, 11, .	1.7	0