

Dong Feng Chen

List of Publications by Year in descending order

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76
papers

6,896
citations

201674

27
h-index

114465

63
g-index

80
all docs

80
docs citations

80
times ranked

7709
citing authors

#	ARTICLE	IF	CITATIONS
1	Subregion- and Cell Type- Restricted Gene Knockout in Mouse Brain. <i>Cell</i> , 1996, 87, 1317-1326.	28.9	1,207
2	Skeletal and CNS Defects in Presenilin-1-Deficient Mice. <i>Cell</i> , 1997, 89, 629-639.	28.9	937
3	Bcl-2 promotes regeneration of severed axons in mammalian CNS. <i>Nature</i> , 1997, 385, 434-439.	27.8	430
4	EGFR Activation Mediates Inhibition of Axon Regeneration by Myelin and Chondroitin Sulfate Proteoglycans. <i>Science</i> , 2005, 310, 106-110.	12.6	325
5	Vascular Damage in a Mouse Model of Diabetic Retinopathy: Relation to Neuronal and Glial Changes. , 2005, 46, 4281.		245
6	Robust neural integration from retinal transplants in mice deficient in GFAP and vimentin. <i>Nature Neuroscience</i> , 2003, 6, 863-868.	14.8	220
7	Photoreceptor apoptosis in human retinal detachment. <i>American Journal of Ophthalmology</i> , 2005, 139, 605-610.	3.3	190
8	Commensal microflora-induced T cell responses mediate progressive neurodegeneration in glaucoma. <i>Nature Communications</i> , 2018, 9, 3209.	12.8	184
9	NMDA Receptor-Dependent Refinement of Somatotopic Maps. <i>Neuron</i> , 1997, 19, 1201-1210.	8.1	182
10	Differential Effects of Unfolded Protein Response Pathways on Axon Injury-Induced Death of Retinal Ganglion Cells. <i>Neuron</i> , 2012, 73, 445-452.	8.1	174
11	Optic Neuropathy Due to Microbead-Induced Elevated Intraocular Pressure in the Mouse. , 2011, 52, 36.		158
12	Attenuated Glial Reactions and Photoreceptor Degeneration after Retinal Detachment in Mice Deficient in Glial Fibrillary Acidic Protein and Vimentin. , 2007, 48, 2760.		149
13	Induction of Neurogenesis in Nonconventional Neurogenic Regions of the Adult Central Nervous System by Niche Astrocyte-Produced Signals. <i>Stem Cells</i> , 2008, 26, 1221-1230.	3.2	149
14	Re-establishing the regenerative potential of central nervous system axons in postnatal mice. <i>Journal of Cell Science</i> , 2005, 118, 863-872.	2.0	144
15	A sulfated carbohydrate epitope inhibits axon regeneration after injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4768-4773.	7.1	136
16	Electrical Stimulation as a Means for Improving Vision. <i>American Journal of Pathology</i> , 2016, 186, 2783-2797.	3.8	136
17	Neuroinflammation and microglia in glaucoma: time for a paradigm shift. <i>Journal of Neuroscience Research</i> , 2019, 97, 70-76.	2.9	135
18	Î±-Aminoadipate Induces Progenitor Cell Properties of Müller Glia in Adult Mice. , 2008, 49, 1142.		125

#	ARTICLE	IF	CITATIONS
19	Characterization of cytokine responses to retinal detachment in rats. <i>Molecular Vision</i> , 2006, 12, 867-78.	1.1	119
20	Bcl-2 enhances Ca ²⁺ signaling to support the intrinsic regenerative capacity of CNS axons. <i>EMBO Journal</i> , 2005, 24, 1068-1078.	7.8	100
21	p50 ^Δ /p55 ^Δ Phosphoinositide 3-Kinase Knockout Mice Exhibit Enhanced Insulin Sensitivity. <i>Molecular and Cellular Biology</i> , 2004, 24, 320-329.	2.3	91
22	Support of Retinal Ganglion Cell Survival and Axon Regeneration by Lithium through a Bcl-2-Dependent Mechanism. , 2003, 44, 347.		85
23	Preventing Retinal Detachmentâ€“Associated Photoreceptor Cell Loss in Bax-Deficient Mice. , 2004, 45, 648.		85
24	Ephrins as negative regulators of adult neurogenesis in diverse regions of the central nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8778-8783.	7.1	83
25	Opposing Roles for Membrane Bound and Soluble Fas Ligand in Glaucoma-Associated Retinal Ganglion Cell Death. <i>PLoS ONE</i> , 2011, 6, e17659.	2.5	77
26	Rescue of Glaucomatous Neurodegeneration by Differentially Modulating Neuronal Endoplasmic Reticulum Stress Molecules. <i>Journal of Neuroscience</i> , 2016, 36, 5891-5903.	3.6	72
27	Microbead-Induced Ocular Hypertensive Mouse Model for Screening and Testing of Aqueous Production Suppressants for Glaucoma. , 2012, 53, 3733.		65
28	Elevated MMP Expression in the MRL Mouse Retina Creates a Permissive Environment for Retinal Regeneration. , 2008, 49, 1686.		49
29	Neuroglobin Is an Endogenous Neuroprotectant for Retinal Ganglion Cells against Glaucomatous Damage. <i>American Journal of Pathology</i> , 2011, 179, 2788-2797.	3.8	47
30	Baicalein, Baicalin, and Wogonin: Protective Effects against Ischemia-Induced Neurodegeneration in the Brain and Retina. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-16.	4.0	44
31	Adaptive Immunity: New Aspects of Pathogenesis Underlying Neurodegeneration in Glaucoma and Optic Neuropathy. <i>Frontiers in Immunology</i> , 2020, 11, 65.	4.8	42
32	Dynamic Patterns of Histone Lysine Methylation in the Developing Retina. , 2010, 51, 6784.		39
33	Why do mature CNS neurons of mammals fail to re-establish connections following injuryâ€“functions of Bcl-2. <i>Cell Death and Differentiation</i> , 1998, 5, 816-822.	11.2	38
34	Minocycline Inhibition of Photoreceptor Degeneration. <i>JAMA Ophthalmology</i> , 2009, 127, 1475.	2.4	33
35	IGFBPL1 Regulates Axon Growth through IGF-1-mediated Signaling Cascades. <i>Scientific Reports</i> , 2018, 8, 2054.	3.3	33
36	Ephrinâ€“3 Suppresses Wnt Signaling to Control Retinal Stem Cell Potency. <i>Stem Cells</i> , 2013, 31, 349-359.	3.2	32

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37	Transplantation of Human Neural Progenitor Cells Expressing IGF-1 Enhances Retinal Ganglion Cell Survival. PLoS ONE, 2015, 10, e0125695.	2.5	31
38	Optimization of Optomotor Response-based Visual Function Assessment in Mice. Scientific Reports, 2018, 8, 9708.	3.3	31
39	Mouse retinal cell behaviour in space and time using light sheet fluorescence microscopy. ELife, 2020, 9, .	6.0	30
40	Mobilizing endogenous stem cells for retinal repair. Translational Research, 2014, 163, 387-398.	5.0	29
41	Promoting Optic Nerve Regeneration in Adult Mice with Pharmaceutical Approach. Neurochemical Research, 2008, 33, 2126-2133.	3.3	28
42	Postnatal onset of retinal degeneration by loss of embryonic Ezh2 repression of Six1. Scientific Reports, 2016, 6, 33887.	3.3	26
43	Electrical Stimulation Induces Retinal Müller Cell Proliferation and Their Progenitor Cell Potential. Cells, 2020, 9, 781.	4.1	24
44	Polybenzyl Glutamate Biocompatible Scaffold Promotes the Efficiency of Retinal Differentiation toward Retinal Ganglion Cell Lineage from Human-Induced Pluripotent Stem Cells. International Journal of Molecular Sciences, 2019, 20, 178.	4.1	23
45	The role of commensal microflora-induced T cell responses in glaucoma neurodegeneration. Progress in Brain Research, 2020, 256, 79-97.	1.4	21
46	Noninvasive Electrical Stimulation Improves Photoreceptor Survival and Retinal Function in Mice with Inherited Photoreceptor Degeneration. , 2020, 61, 5.		21
47	CD4+ T-Cell Responses Mediate Progressive Neurodegeneration in Experimental Ischemic Retinopathy. American Journal of Pathology, 2020, 190, 1723-1734.	3.8	20
48	Microrna-130a Downregulates HCV Replication through an atg5-Dependent Autophagy Pathway. Cells, 2019, 8, 338.	4.1	19
49	Response to Quinlan and Nilsson: Astroglia sitting at the controls?. Trends in Neurosciences, 2004, 27, 243-244.	8.6	16
50	Therapeutic Targeting of Retinal Immune Microenvironment With CSF-1 Receptor Antibody Promotes Visual Function Recovery After Ischemic Optic Neuropathy. Frontiers in Immunology, 2020, 11, 585918.	4.8	16
51	TNF α activates MAPK and Jak-Stat pathways to promote mouse Müller cell proliferation. Experimental Eye Research, 2021, 202, 108353.	2.6	14
52	NF- κ B activation in retinal microglia is involved in the inflammatory and neovascularization signaling in laser-induced choroidal neovascularization in mice. Experimental Cell Research, 2021, 403, 112581.	2.6	14
53	Epigenetic regulation of retinal development and disease. Journal of Ocular Biology, Diseases, and Informatics, 2011, 4, 121-136.	0.2	13
54	Induced Pluripotent Stem Cells: Development in the Ophthalmologic Field. Stem Cells International, 2016, 2016, 1-7.	2.5	13

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55	Visual Contrast Sensitivity Correlates to the Retinal Degeneration in Rhodopsin Knockout Mice. , 2019, 60, 4196.		13
56	The Immunology of Glaucoma. Asia-Pacific Journal of Ophthalmology, 2012, 1, 303-311.	2.5	12
57	Hepatitis B and Hepatitis C Virus Infection Promote Liver Fibrogenesis through a TGF- β -Induced OCT4/Nanog Pathway. Journal of Immunology, 2022, 208, 672-684.	0.8	12
58	Red nucleus neurons of Bcl-2 over-expressing mice are protected from cell death induced by axotomy. NeuroReport, 1999, 10, 3417-3421.	1.2	11
59	Peptic ulcer bleeding in China: A multicenter endoscopic survey of 1006 patients. Journal of Digestive Diseases, 2014, 15, 5-11.	1.5	11
60	Ezh2 does not mediate retinal ganglion cell homeostasis or their susceptibility to injury. PLoS ONE, 2018, 13, e0191853.	2.5	10
61	Development of Primary Open Angle Glaucoma-Like Features in a Rhesus Macaque Colony From Southern China. Translational Vision Science and Technology, 2021, 10, 20.	2.2	9
62	Baicalin—A Potent Pro-Homeostatic Regulator of Microglia in Retinal Ischemic Injury. Frontiers in Immunology, 2022, 13, 837497.	4.8	8
63	Metabolomics in Primary Open Angle Glaucoma: A Systematic Review and Meta-Analysis. Frontiers in Neuroscience, 2022, 16, .	2.8	8
64	Retinal Biopsy Techniques for the Removal of Retinal Tissue Fragments. Ophthalmic Surgery Lasers and Imaging Retina, 2005, 36, 76-78.	0.7	6
65	Optic neuropathy and increased retinal glial fibrillary acidic protein due to microbead-induced ocular hypertension in the rabbit. International Journal of Ophthalmology, 2016, 9, 1732-1739.	1.1	6
66	An Epigenetic Approach Toward Understanding Ocular \pm -Herpesvirus Pathogenesis and Treatment. International Ophthalmology Clinics, 2011, 51, 117-133.	0.7	5
67	The Prevalence of Autoimmune Diseases in Patients with Primary Open-Angle Glaucoma Undergoing Ophthalmic Surgeries. Ophthalmology Glaucoma, 2022, 5, 128-136.	1.9	5
68	Ephrin-A2 and -A3 are negative regulators of the regenerative potential of Müller cells. Chinese Medical Journal, 2014, 127, 3438-42.	2.3	5
69	Impact of Storage Temperature on the Expression of Cell Survival Genes in Cultured ARPE-19 Cells. Current Eye Research, 2017, 42, 134-144.	1.5	3
70	Non-invasive electrical stimulation as a potential treatment for retinal degenerative diseases. Neural Regeneration Research, 2021, 16, 1558.	3.0	3
71	Absence of ephrin-A2/A3 increases retinal regenerative potential for Müller cells in Rhodopsin knockout mice. Neural Regeneration Research, 2021, 16, 1317.	3.0	3
72	Computer-aided analyses of mouse retinal OCT images — an actual application report. Ophthalmic and Physiological Optics, 2015, 35, 442-449.	2.0	2

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73	Emerging roles for insulin-like growth factor binding protein like protein 1. Neural Regeneration Research, 2019, 14, 258.	3.0	2
74	Epigenetic Mechanisms of Retinal Disease. , 2013, , 642-651.		0
75	The Intrinsic Determinants of Axon Regeneration in the Central Nervous System. , 2015, , 197-207.		0
76	Mobilizing Endogenous Stem Cells for Retinal Repair. , 2016, , 297-308.		0