Jeffrey L Goldberg

List of Publications by Year
in descending order

132 papers	8,024 citations	70961 41 h-index	54797 84 g-index
138 all docs	138 docs citations	138 times ranked	8035 citing authors

#	Article	IF	Citations
1	Phase 1b Randomized Controlled Study of Short Course Topical Recombinant Human Nerve Growth Factor (rhNGF) for Neuroenhancement in Glaucoma: Safety, Tolerability, and Efficacy Measure Outcomes. American Journal of Ophthalmology, 2022, 234, 223-234.	1.7	14
2	Solving neurodegeneration: common mechanisms and strategies for new treatments. Molecular Neurodegeneration, 2022, 17, 23.	4.4	83
3	Quantitative transportomics identifies Kif5a as a major regulator of neurodegeneration. ELife, 2022, 11, .	2.8	10
4	Quantitative BONCAT Allows Identification of Newly Synthesized Proteins after Optic Nerve Injury. Journal of Neuroscience, 2022, 42, 4042-4052.	1.7	6
5	Discovery and clinical translation of novel glaucoma biomarkers. Progress in Retinal and Eye Research, 2021, 80, 100875.	7.3	51
6	Dual Specific Phosphatase 14 Deletion Rescues Retinal Ganglion Cells and Optic Nerve Axons after Experimental Anterior Ischemic Optic Neuropathy. Current Eye Research, 2021, 46, 710-718.	0.7	5
7	cAMP at Perinuclear mAKAPÎ± Signalosomes Is Regulated by Local Ca²⁺ Signaling in Primary Hippocampal Neurons. ENeuro, 2021, 8, ENEURO.0298-20.2021.	0.9	7
8	Intrinsic Morphologic and Physiologic Development of Human Derived Retinal Ganglion Cells In Vitro. Translational Vision Science and Technology, 2021, 10, 1.	1.1	5
9	A Cost Comparison of Cataract Surgeries in Three Countries â€" United States, India, and Nepal. NEJM Catalyst, 2021, 2, .	0.4	2
10	Posttranslational Modification of Sox11 Regulates RGC Survival and Axon Regeneration. ENeuro, 2021, 8, ENEURO.0358-20.2020.	0.9	18
11	Deciphering the genetic architecture and ethnographic distribution of IRD in three ethnic populations by whole genome sequence analysis. PLoS Genetics, 2021, 17, e1009848.	1.5	13
12	Implicit Bias and the Association of Redaction of Identifiers With Residency Application Screening Scores. JAMA Ophthalmology, 2021, 139, 1274.	1.4	3
13	Nanoparticles as Cell Tracking Agents in Human Ocular Cell Transplantation Therapy. Current Ophthalmology Reports, 2021, 9, 133-145.	0.5	0
14	Fusogenic liposome-enhanced cytosolic delivery of magnetic nanoparticles. RSC Advances, 2021, 11, 35796-35805.	1.7	4
15	Cell transplantation of retinal ganglion cells derived from hESCs. Restorative Neurology and Neuroscience, 2020, 38, 131-140.	0.4	29
16	Dynamics of Contrast Decrement and Increment Responses in Human Visual Cortex. Translational Vision Science and Technology, 2020, 9, 6.	1.1	16
17	Axon Regeneration in the Mammalian Optic Nerve. Annual Review of Vision Science, 2020, 6, 195-213.	2.3	101
18	Reply. Ophthalmology, 2020, 127, e17.	2.5	0

#	Article	IF	Citations
19	The rapid N-wave as a potentially useful measure of the photopic negative response. Documenta Ophthalmologica, 2020, 141, 253-257.	1.0	1
20	Physiologic maturation is both extrinsically and intrinsically regulated in progenitor-derived neurons. Scientific Reports, 2020, 10, 2337.	1.6	4
21	Multi-Omic Analyses of Growth Cones at Different Developmental Stages Provides Insight into Pathways in Adult Neuroregeneration. IScience, 2020, 23, 100836.	1.9	25
22	Mouse Î³-Synuclein Promoter-Mediated Gene Expression and Editing in Mammalian Retinal Ganglion Cells. Journal of Neuroscience, 2020, 40, 3896-3914.	1.7	46
23	MEF2 transcription factors differentially contribute to retinal ganglion cell loss after optic nerve injury. PLoS ONE, 2020, 15, e0242884.	1.1	7
24	Optic Nerve Crush in Mice to Study Retinal Ganglion Cell Survival and Regeneration. Bio-protocol, 2020, 10, .	0.2	33
25	The Retinal Ganglion Cell Transportome Identifies Proteins Transported to Axons and Presynaptic Compartments in the Visual System InÂVivo. Cell Reports, 2019, 28, 1935-1947.e5.	2.9	16
26	MTP18 is a Novel Regulator of Mitochondrial Fission in CNS Neuron Development, Axonal Growth, and Injury Responses. Scientific Reports, 2019, 9, 10669.	1.6	12
27	SALT Trial: Steroids after Laser Trabeculoplasty. Ophthalmology, 2019, 126, 1511-1516.	2.5	28
28	Opposing Effects of Growth and Differentiation Factors in Cell-Fate Specification. Current Biology, 2019, 29, 1963-1975.e5.	1.8	20
29	Magnetic Human Corneal Endothelial Cell Transplant: Delivery, Retention, and Short-Term Efficacy. , 2019, 60, 2438.		27
30	Regulation of Neuronal Survival and Axon Growth by a Perinuclear cAMP Compartment. Journal of Neuroscience, 2019, 39, 5466-5480.	1.7	35
31	Silicone oil-induced ocular hypertension and glaucomatous neurodegeneration in mouse. ELife, 2019, 8, .	2.8	48
32	Regulating Growth Cone Motility and Axon Growth by Manipulating Targeted Superparamagnetic Nanoparticles. Neuromethods, 2018, , 89-108.	0.2	3
33	Retinal Cell Fate Specification. Trends in Neurosciences, 2018, 41, 165-167.	4.2	7
34	Zinc chelation and Klf9 knockdown cooperatively promote axon regeneration after optic nerve injury. Experimental Neurology, 2018, 300, 22-29.	2.0	62
35	The KrÃ¼ppel-Like Factor Gene Target Dusp14 Regulates Axon Growth and Regeneration. , 2018, 59, 2736.		48
36	Regenerating Eye Tissues to Preserve and Restore Vision. Cell Stem Cell, 2018, 22, 834-849.	5.2	131

#	Article	IF	Citations
37	Induced Pluripotent Stem Cells Promote Retinal Ganglion Cell Survival After Transplant. , 2018, 59, 1571.		35
38	A Cell Culture Approach to Optimized Human Corneal Endothelial Cell Function. , 2018, 59, 1617.		35
39	The Role of Axon Transport in Neuroprotection and Regeneration. Developmental Neurobiology, 2018, 78, 998-1010.	1.5	14
40	Reaching the brain: Advances in optic nerve regeneration. Experimental Neurology, 2017, 287, 365-373.	2.0	173
41	Serotonin receptor 2C regulates neurite growth and is necessary for normal retinal processing of visual information. Developmental Neurobiology, 2017, 77, 419-437.	1.5	19
42	Novel Regulatory Mechanisms for the SoxC Transcriptional Network Required for Visual Pathway Development. Journal of Neuroscience, 2017, 37, 4967-4981.	1.7	45
43	Cell Transplantation Therapy for Glaucoma. , 2017, , 65-76.		0
44	Vision Loss after Intravitreal Injection of Autologous â€œStem Cellsâ€•for AMD. New England Journal of Medicine, 2017, 376, 1047-1053.	13.9	356
45	KLF9 and JNK3 Interact to Suppress Axon Regeneration in the Adult CNS. Journal of Neuroscience, 2017, 37, 9632-9644.	1.7	91
46	Cell autonomous sonic hedgehog signaling contributes to maintenance of retinal endothelial tight junctions. Experimental Eye Research, 2017, 164, 82-89.	1.2	4
47	Topical administration of a Rock/Net inhibitor promotes retinal ganglion cell survival and axon regeneration after optic nerve injury. Experimental Eye Research, 2017, 158, 33-42.	1.2	45
48	Isoform-specific subcellular localization and function of protein kinase A identified by mosaic imaging of mouse brain. ELife, 2017, 6, .	2.8	42
49	Report on the National Eye Institute Audacious Goals Initiative: Regenerating the Optic Nerve. , 2016, 57, 1271.		17
50	Soluble Adenylyl Cyclase Is Required for Retinal Ganglion Cell and Photoreceptor Differentiation. , 2016, 57, 5083.		5
51	Novel Identity and Functional Markers for Human Corneal Endothelial Cells. , 2016, 57, 2749.		38
52	Novel Roles and Mechanism for KrÃ¼ppel-like Factor 16 (KLF16) Regulation of Neurite Outgrowth and Ephrin Receptor A5 (EphA5) Expression in Retinal Ganglion Cells. Journal of Biological Chemistry, 2016, 291, 18084-18095.	1.6	22
53	Cell types differ in global coordination of splicing and proportion of highly expressed genes. Scientific Reports, 2016, 6, 32249.	1.6	19
54	Promoting CNS repair. Science, 2016, 353, 30-31.	6.0	6

#	Article	IF	Citations
55	Control of Retinal Ganglion Cell Positioning and Neurite Growth: Combining 3D Printing with Radial Electrospun Scaffolds. Tissue Engineering - Part A, 2016, 22, 286-294.	1.6	64
56	Transplanted neurons integrate into adult retinas and respond to light. Nature Communications, 2016, 7, 10472.	5.8	141
57	KrÃ¼ppel-Like Factor 4 (KLF4) Is Not Required for Retinal Cell Differentiation. ENeuro, 2016, 3, ENEURO.0117-15.2016.	0.9	16
58	Rat Model of Photochemically-Induced Posterior Ischemic Optic Neuropathy. Journal of Visualized Experiments, 2015, , .	0.2	1
59	Muscle A-Kinase Anchoring Protein-Î± is an Injury-Specific Signaling Scaffold Required for Neurotrophic- and Cyclic Adenosine Monophosphate-Mediated Survival. EBioMedicine, 2015, 2, 1880-1887.	2.7	18
60	The N-terminal Set-Î² Protein Isoform Induces Neuronal Death. Journal of Biological Chemistry, 2015, 290, 13417-13426.	1.6	8
61	Promoting filopodial elongation in neurons by membrane-bound magnetic nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 559-567.	1.7	27
62	Magnetic field-guided cell delivery with nanoparticle-loaded human corneal endothelial cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 499-509.	1.7	42
63	Clinical and Electrophysiologic Characteristics of a Large Kindred with X-Linked Retinitis Pigmentosa Associated with the RPGR Locus. Ophthalmic Genetics, 2015, 36, 321-326.	0.5	7
64	In vivo imaging of axonal transport of mitochondria in the diseased and aged mammalian CNS. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10515-10520.	3.3	146
65	Efficient Generation of Human Embryonic Stem Cell-Derived Corneal Endothelial Cells by Directed Differentiation. PLoS ONE, 2015, 10, e0145266.	1.1	71
66	Fuchs endothelial corneal dystrophy: clinical characteristics of surgical and nonsurgical patients. Clinical Ophthalmology, 2014, 8, 1761.	0.9	9
67	Regulation of Intrinsic Axon Growth Ability at Retinal Ganglion Cell Growth Cones. , 2014, 55, 4369.		44
68	ACUTE RETINAL PIGMENT EPITHELIUM DETACHMENTS AFTER PHOTOCOAGULATION. Retina, 2014, 34, 749-760.	1.0	0
69	Retinal repair with induced pluripotent stem cells. Translational Research, 2014, 163, 377-386.	2.2	37
70	Retinal ganglion cell polarization using immobilized guidance cues on a tissue-engineered scaffold. Acta Biomaterialia, 2014, 10, 4939-4946.	4.1	53
71	The role of soluble adenylyl cyclase in neurite outgrowth. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2561-2568.	1.8	22
72	Isolation and Characterization of Mesenchymal Progenitor Cells From Human Orbital Adipose Tissue. , 2014, 55, 4842.		20

#	Article	IF	Citations
73	Regenerative Cell Therapy for Corneal Endothelium. Current Ophthalmology Reports, 2014, 2, 81-90.	0.5	27
74	Regulating Set-Î²'s Subcellular Localization Toggles Its Function between Inhibiting and Promoting Axon Growth and Regeneration. Journal of Neuroscience, 2014, 34, 7361-7374.	1.7	36
75	Survival and Integration of Developing and Progenitor-Derived Retinal Ganglion Cells following Transplantation. Cell Transplantation, 2014, 23, 855-872.	1.2	80
76	Femtosecond Laser-Assisted Astigmatic Keratotomy for Postoperative Trabeculectomy-Induced Corneal Astigmatism. Journal of Refractive Surgery, 2014, 30, 502-504.	1.1	11
77	Molecular mechanisms of the suppression of axon regeneration by KLF transcription factors. Neural Regeneration Research, 2014, 9, 1418.	1.6	26
78	A tunable synthetic hydrogel system for culture of retinal ganglion cells and amacrine cells. Acta Biomaterialia, 2013, 9, 7622-7629.	4.1	24
79	Articular Cartilage Repair With Magnetic Mesenchymal Stem Cells. American Journal of Sports Medicine, 2013, 41, 1255-1264.	1.9	59
80	Tissue engineering the retinal ganglion cell nerve fiber layer. Biomaterials, 2013, 34, 4242-4250.	5.7	69
81	Clinician-Scientists in Ophthalmology Revisited. Ophthalmology, 2013, 120, 1949-1950.	2.5	8
82	A Novel Rodent Model of Posterior Ischemic Optic Neuropathy. JAMA Ophthalmology, 2013, 131, 194.	1.4	25
83	Nanotechnology and glaucoma. Current Opinion in Ophthalmology, 2013, 24, 130-135.	1.3	26
84	How to Measure Vision in Glaucoma. JAMA Ophthalmology, 2013, 131, 1563.	1.4	1
85	Amacrine Cell Subtypes Differ in Their Intrinsic Neurite Growth Capacity. , 2013, 54, 7603.		11
86	Stem Cells and Glaucoma. , 2013, , 75-97.		2
87	Scaffolds and stem cells: delivery of cell transplants for retinal degenerations. Expert Review of Ophthalmology, 2012, 7, 459-470.	0.3	46
88	Control issues. British Journal of Ophthalmology, 2012, 96, 1348.2-1349.	2.1	0
89	Soluble Adenylyl Cyclase Activity Is Necessary for Retinal Ganglion Cell Survival and Axon Growth. Journal of Neuroscience, 2012, 32, 7734-7744.	1.7	80
90	Mitochondrial Dynamics Regulate Growth Cone Motility, Guidance, and Neurite Growth Rate in Perinatal Retinal Ganglion Cells In Vitro. , 2012, 53, 7402.		51

#	Article	IF	Citations
91	KrÃ¼ppel-like Factor 7 engineered for transcriptional activation promotes axon regeneration in the adult corticospinal tract. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7517-7522.	3.3	259
92	Epigenetic regulation of axon and dendrite growth. Frontiers in Molecular Neuroscience, 2012, 5, 24.	1.4	36
93	Role of electrical activity in promoting neural repair. Neuroscience Letters, 2012, 519, 134-137.	1.0	18
94	Signaling Endosomes and Growth Cone Motility in Axon Regeneration. International Review of Neurobiology, 2012, 106, 35-73.	0.9	10
95	Preface. International Review of Neurobiology, 2012, 106, xi-xiii.	0.9	0
96	Glaucoma 2.0: Neuroprotection, Neuroregeneration, Neuroenhancement. Ophthalmology, 2012, 119, 979-986.	2.5	256
97	A chemical genetic approach identifies piperazine antipsychotics as promoters of CNS neurite growth on inhibitory substrates. Molecular and Cellular Neurosciences, 2012, 50, 125-135.	1.0	27
98	The Role of Serotonin in Axon and Dendrite Growth. International Review of Neurobiology, 2012, 106, 105-126.	0.9	42
99	Î²1 Integrin-Focal Adhesion Kinase (FAK) Signaling Modulates Retinal Ganglion Cell (RGC) Survival. PLoS ONE, 2012, 7, e48332.	1.1	54
100	Preface. International Review of Neurobiology, 2012, 105, xi-xiii.	0.9	3
101	Investigation of nanoparticles using magnetic resonance imaging after intravitreal injection. Clinical and Experimental Ophthalmology, 2012, 40, 100-107.	1.3	21
102	Neuroimmune Communication. Science, 2011, 334, 47-48.	6.0	41
103	Foxn4 is required for retinal ganglion cell distal axon patterning. Molecular and Cellular Neurosciences, 2011, 46, 731-741.	1.0	6
104	KrÃ¼ppel-like transcription factors in the nervous system: Novel players in neurite outgrowth and axon regeneration. Molecular and Cellular Neurosciences, 2011, 47, 233-243.	1.0	93
105	Evaluation of Magnetic Micro- and Nanoparticle Toxicity to Ocular Tissues. PLoS ONE, 2011, 6, e17452.	1.1	62
106	Multiple transcription factor families regulate axon growth and regeneration. Developmental Neurobiology, 2011, 71, 1186-1211.	1.5	160
107	Nanoparticle-mediated signaling endosome localization regulates growth cone motility and neurite growth. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19042-19047.	3.3	92
108	Optic Nerve. , 2011, , 550-573.		3

#	Article	IF	Citations
109	Neurotrophic Effect of a Novel TrkB Agonist on Retinal Ganglion Cells. , 2010, 51, 1747.		72
110	Four Steps to Optic Nerve Regeneration. Journal of Neuro-Ophthalmology, 2010, 30, 347-360.	0.4	53
111	Amacrine Cell Gene Expression and Survival Signaling: Differences from Neighboring Retinal Ganglion Cells. , 2010, 51, 3800.		21
112	High content screening of cortical neurons identifies novel regulators of axon growth. Molecular and Cellular Neurosciences, 2010, 44, 43-54.	1.0	110
113	A Chemical Screen Identifies Novel Compounds That Overcome Glial-Mediated Inhibition of Neuronal Regeneration. Journal of Neuroscience, 2010, 30, 4693-4706.	1.7	55
114	Electrical activity enhances neuronal survival and regeneration. Journal of Neural Engineering, 2009, 6, 055001.	1.8	45
115	KLF Family Members Regulate Intrinsic Axon Regeneration Ability. Science, 2009, 326, 298-301.	6.0	654
116	Retinal Ganglion Cell Life and Death â€“ Mechanisms and Implications for Ophthalmology. European Ophthalmic Review, 2009, 03, 109.	0.3	9
117	Nanotechnology for ocular therapeutics and tissue repair. Expert Review of Ophthalmology, 2008, 3, 431-436.	0.3	33
118	Gamma-synuclein as a marker of retinal ganglion cells. Molecular Vision, 2008, 14, 1540-8.	1.1	75
119	Disease Gene Candidates Revealed by Expression Profiling of Retinal Ganglion Cell Development. Journal of Neuroscience, 2007, 27, 8593-8603.	1.7	67
120	Atypical Mild Enhanced S-Cone Syndrome with Novel Compound Heterozygosity of the NR2E3 Gene. American Journal of Ophthalmology, 2007, 144, 157-159.	1.7	31
121	A novel biological function for CD44 in axon growth of retinal ganglion cells identified by a bioinformatics approach. Journal of Neurochemistry, 2007, 103, 1491-1505.	2.1	33
122	Eph-Dependent Tyrosine Phosphorylation of Ephexin1 Modulates Growth Cone Collapse. Neuron, 2005, 46, 191-204.	3.8	216
123	Gene Expression Profiling of Purified Rat Retinal Ganglion Cells. , 2004, 45, 2503.		36
124	An Oligodendrocyte Lineage-Specific Semaphorin, Sema5A, Inhibits Axon Growth by Retinal Ganglion Cells. Journal of Neuroscience, 2004, 24, 4989-4999.	1.7	167
125	Intrinsic neuronal regulation of axon and dendrite growth. Current Opinion in Neurobiology, 2004, 14, 551-557.	2.0	91
126	How does an axon grow?. Genes and Development, 2003, 17, 941-958.	2.7	198

#	Article	IF	Citations
127	Amacrine-Signaled Loss of Intrinsic Axon Growth Ability by Retinal Ganglion Cells. Science, 2002, 296, 1860-1864.	6.0	453
128	Retinal Ganglion Cells Do Not Extend Axons by Default. Neuron, 2002, 33, 689-702.	3.8	406
129	EphA Receptors Regulate Growth Cone Dynamics through the Novel Guanine Nucleotide Exchange Factor Ephexin. Cell, 2001, 105, 233-244.	13.5	491
130	The Relationship between Neuronal Survival and Regeneration. Annual Review of Neuroscience, 2000, 23, 579-612.	5.0	309
131	Neural regeneration: Extending axons from bench to brain. Current Biology, 1998, 8, R310-R312.	1.8	12
132	Stem Cells in Ophthalmology. , 0, , .		0