

Michael Belkin

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,192
citations

218592

26
h-index

233338

45
g-index

82
all docs

82
docs citations

82
times ranked

1900
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser Eye Injuries. Survey of Ophthalmology, 2000, 44, 459-478.	1.7	235
2	Inflammation after axonal injury has conflicting consequences for recovery of function: Rescue of spared axons is impaired but regeneration is supported. Journal of Neuroimmunology, 1994, 50, 9-16.	1.1	126
3	Transplantation of human bone marrow mesenchymal stem cells as a thin subretinal layer ameliorates retinal degeneration in a rat model of retinal dystrophy. Experimental Eye Research, 2014, 118, 135-144.	1.2	120
4	Ambient illuminance, retinal dopamine release and refractive development in chicks. Experimental Eye Research, 2012, 103, 33-40.	1.2	114
5	Temporal parameters of low energy laser irradiation for optimal delay of post-traumatic degeneration of rat optic nerve. Brain Research, 1989, 476, 205-212.	1.1	102
6	Dependency between light intensity and refractive development under light-dark cycles. Experimental Eye Research, 2011, 92, 40-46.	1.2	101
7	Selective Laser Trabeculoplasty. Survey of Ophthalmology, 2007, 52, 634-654.	1.7	74
8	Season of Birth, Natural Light, and Myopia. Ophthalmology, 2008, 115, 686-692.	2.5	68
9	Learning to adapt: Dynamics of readaptation to geometrical distortions. Vision Research, 2010, 50, 1550-1558.	0.7	64
10	HU-211, a Nonpsychotropic Cannabinoid, Produces Short- and Long-Term Neuroprotection after Optic Nerve Axotomy. Journal of Neurotrauma, 1996, 13, 49-57.	1.7	63
11	Effects of low-energy He-Ne laser irradiation on posttraumatic degeneration of adult rabbit optic nerve. Lasers in Surgery and Medicine, 1987, 7, 51-55.	1.1	60
12	Efficacy of Selective Laser Trabeculoplasty in Primary Angle-Closure Glaucoma. JAMA Ophthalmology, 2015, 133, 206.	1.4	53
13	New Biological Phenomena Associated With Laser Radiation. Health Physics, 1989, 56, 687-690.	0.3	52
14	Isolation of an adult blood-derived progenitor cell population capable of differentiation into angiogenic, myocardial and neural lineages. British Journal of Haematology, 2006, 135, 703-714.	1.2	48
15	Epiretinal transplantation of human bone marrow mesenchymal stem cells rescues retinal and vision function in a rat model of retinal degeneration. Stem Cell Research, 2015, 15, 387-394.	0.3	45
16	The Effect of Penicillamine on Posttraumatic Vitreous Proliferation. American Journal of Ophthalmology, 1981, 92, 625-627.	1.7	39
17	Dichotomy of the glial cell response to axonal injury and regeneration. FASEB Journal, 1989, 3, 2371-2378.	0.2	39
18	Neuroprotection in ophthalmology: a review. Brain Research Bulletin, 2004, 62, 447-453.	1.4	38

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19	Peripheral blood-derived autologous stem cell therapy for the treatment of patients with late-stage peripheral artery disease—results of the short- and long-term follow-up. <i>Cytotherapy</i> , 2013, 15, 1245-1252.	0.3	38
20	Selective Laser Trabeculoplasty for Primary Angle Closure With Persistently Elevated Intraocular Pressure After Iridotomy. <i>Journal of Glaucoma</i> , 2009, 18, 563-566.	0.8	37
21	LONG-TERM FOLLOW UP OF ACCIDENTAL PARAFOVEAL LASER BURNS. <i>Retina</i> , 1993, 13, 152-154.	1.0	36
22	Light intensity modulates corneal power and refraction in the chick eye exposed to continuous light. <i>Vision Research</i> , 2008, 48, 2329-2335.	0.7	35
23	Experimental studies on nonpenetrating filtration surgery using the CO2 laser. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2007, 245, 847-854.	1.0	33
24	Retinal Microvascular Signs as Screening and Prognostic Factors for Cardiac Disease: A Systematic Review of Current Evidence. <i>American Journal of Medicine</i> , 2021, 134, 36-47.e7.	0.6	32
25	Regeneration of cat corneal endothelium induced in vivo by fibroblast growth factor. <i>Experimental Eye Research</i> , 1987, 45, 805-811.	1.2	31
26	Mesopic foveal contrast sensitivity is impaired in diabetic patients without retinopathy. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2010, 248, 1699-1703.	1.0	31
27	Thin spectacles for myopia, presbyopia and astigmatism insensitive vision. <i>Optics Express</i> , 2007, 15, 10790.	1.7	28
28	Transscleral Selective Laser Trabeculoplasty Without a Gonioscopy Lens. <i>Journal of Glaucoma</i> , 2017, 26, 201-207.	0.8	28
29	Functional deficits resulting from laser-induced damage in the rat retina. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 689-694.	1.1	27
30	Automated Diagnosis and Measurement of Strabismus in Children. <i>American Journal of Ophthalmology</i> , 2020, 213, 226-234.	1.7	25
31	Methylprednisolone Therapy for Retinal Laser Injury. <i>Survey of Ophthalmology</i> , 1999, 44, S85-S92.	1.7	23
32	Irreversible Electroporation for Microbial Control of Drugs in Solution. <i>AAPS PharmSciTech</i> , 2009, 10, 881-6.	1.5	23
33	Extended depth of focus contact lenses for presbyopia. <i>Optics Letters</i> , 2009, 34, 2219.	1.7	23
34	Dose and temporal parameters in delaying injured optic nerve degeneration by low-energy laser irradiation. <i>Lasers in Surgery and Medicine</i> , 1993, 13, 611-617.	1.1	22
35	Evidence for the existence of low-energy laser bioeffects on the nervous system. <i>Neurosurgical Review</i> , 1994, 17, 7-17.	1.2	20
36	DEVELOPMENT AND RECOVERY OF LASER-INDUCED RETINAL LESION IN RATS. <i>Retina</i> , 2010, 30, 662-670.	1.0	20

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37	Ameliorative effect of NAP on laser-induced retinal damage. <i>Acta Ophthalmologica</i> , 2011, 89, e126-e131.	0.6	20
38	Intraocular Omni-focal Lens With Increased Tolerance to Decentration and Astigmatism. <i>Journal of Refractive Surgery</i> , 2010, 26, 71-76.	1.1	17
39	Coherence and Speckle in Photomedicine and Photobiology. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 655-656.	2.1	15
40	Retinal Vascular Signs as Screening and Prognostic Factors for Chronic Kidney Disease: A Systematic Review and Meta-Analysis of Current Evidence. <i>Journal of Personalized Medicine</i> , 2021, 11, 665.	1.1	14
41	X-Irradiation in the prevention of experimental post-traumatic vitreous proliferation. <i>Current Eye Research</i> , 1982, 2, 753-756.	0.7	11
42	A novel potential therapy for vascular diseases: blood-derived stem/progenitor cells specifically activated by dendritic cells. <i>Diabetes/Metabolism Research and Reviews</i> , 2014, 30, 623-634.	1.7	11
43	Effect of Stimulus Intensity and Visual Field Location on Rod- and Cone-Mediated Pupil Response to Focal Light Stimuli. , 2018, 59, 6027.		11
44	New Surgical Approach To Overcome The Inability Of Injured Mammalian Axons To Grow Within Their Environment. <i>Journal of Neural Transplantation & Plasticity</i> , 1991, 2, 243-248.	0.7	10
45	Effect of corticosteroids on healing of the corneal endothelium in cats. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1997, 235, 325-329.	1.0	10
46	Ameliorative effect of PN-277 on laser-induced retinal damage. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 343-348.	1.0	9
47	Intermittently Delivered Pulsed Electric Fields for Sterile Storage of Turbid Media. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 3211-3218.	0.6	9
48	A model of corneal re-endothelialization after surgical trauma. <i>Current Eye Research</i> , 1985, 4, 555-561.	0.7	8
49	Intramyocardial Angiogenic Cell Precursors in Nonischemic Dilated Cardiomyopathy. <i>Asian Cardiovascular and Thoracic Annals</i> , 2009, 17, 382-388.	0.2	8
50	Spatial visual function in anomalous trichromats: Is less more?. <i>PLoS ONE</i> , 2019, 14, e0209662.	1.1	8
51	INTRAVITREAL SALINE INJECTION AMELIORATES LASER-INDUCED RETINAL DAMAGE IN RATS. <i>Retina</i> , 2012, 32, 1165-1170.	1.0	7
52	A minimally invasive adjustable-depth blunt injector for delivery of pharmaceuticals into the posterior pole. <i>Acta Ophthalmologica</i> , 2017, 95, e197-e205.	0.6	7
53	Long-Term Safety of Transplanting Human Bone Marrow Stromal Cells into the Extravascular Spaces of the Choroid of Rabbits. <i>Stem Cells International</i> , 2017, 2017, 1-13.	1.2	7
54	Ophthalmic effects of low-energy laser irradiation. <i>Survey of Ophthalmology</i> , 1994, 39, 113-122.	1.7	6

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55	Evaluation of visual function in Royal College of Surgeon rats using a depth perception visual cliff test. <i>Visual Neuroscience</i> , 2019, 36, E002.	0.5	6
56	Glucocorticosteroid Inhibition of Intraocular Proliferation. <i>American Journal of Ophthalmology</i> , 1981, 92, 133.	1.7	5
57	Functional efficacy of glatiramer acetate treatment for laser-induced retinal damage in rats. <i>Lasers in Surgery and Medicine</i> , 2008, 40, 196-201.	1.1	5
58	Cortical adaptation and visual enhancement. <i>Optics Letters</i> , 2010, 35, 3066.	1.7	5
59	Automated Direct Selective Laser Trabeculoplasty: First Prospective Clinical Trial. <i>Translational Vision Science and Technology</i> , 2021, 10, 5.	1.1	5
60	Non-contact direct selective laser trabeculoplasty: light propagation analysis. <i>Biomedical Optics Express</i> , 2020, 11, 2889.	1.5	5
61	The potential neuroprotective effects of weekly treatment with glatiramer acetate in diabetic patients after panretinal photocoagulation. <i>Clinical Ophthalmology</i> , 2011, 5, 991.	0.9	4
62	Development and recovery processes of laser-induced retinal injuries in rats. , 2005, , .		3
63	Omni-focal refractive focus correction technology as a substitute for bi/multi-focal intraocular lenses, contact lenses, and spectacles. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
64	Immediate retinal adhesion by CO2 laser irradiation using a fiberoptic intraocular probe. <i>Lasers in Surgery and Medicine</i> , 1992, 12, 604-608.	1.1	2
65	Optic nerve disease and injury: Prospects for induction of regeneration. <i>Progress in Retinal and Eye Research</i> , 1996, 15, 569-582.	7.3	2
66	A biological tissue adhesive and dissolvent system for intraocular tumor plaque radiotherapy: an in vivo animal model experiment. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1923-1931.	1.0	2
67	Experimental quantification of the tactile spatial responsivity of human cornea. <i>Journal of Medical Imaging</i> , 2015, 2, 016002.	0.8	2
68	Neuroprotection in Ophthalmology: A Review. , 2006, , 237-249.		1
69	Extended depth of focus intra-ocular lens: a solution for presbyopia and astigmatism. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
70	Tumor Necrosis Factor and TNF-Like Factors in Central Nervous System Regeneration. , 1992, , 135-143.		0
71	Low-energy laser irradiation: a possible neuroprotective modality. , 1995, , .		0
72	Neuroprotective vaccination with copolymer-1 decreases laser-induced retinal damage. , 2003, 4953, 1.		0

#	ARTICLE	IF	CITATIONS
73	The neuroprotective effect of hyperbaric oxygen treatment on laser-induced retinal damage in rats. , 2005, , .		0
74	Can SLT Result in Significant Peripheral Anterior Synechiae?. Survey of Ophthalmology, 2009, 54, 428.	1.7	0
75	Non-toric extended depth of focus contact lenses for astigmatism and presbyopia correction. Proceedings of SPIE, 2010, , .	0.8	0
76	A novel platform for minimally invasive delivery of cellular therapy as a thin layer across the subretina for treatment of retinal degeneration. Proceedings of SPIE, 2015, , .	0.8	0
77	Glaucoma Publication Trends in Leading General Ophthalmology Journals During the Past Quarter Century: Where Are the Clinical Trials?. Journal of Glaucoma, 2021, 30, e305-e311.	0.8	0
78	Adult Human Blood Leukocytes as an Efficient Source for Tissue-Committed Neural Progenitors.. Blood, 2005, 106, 1686-1686.	0.6	0
79	Changing the Course of Peripheral Arterial Disease Using Adult Stem Progenitor Cells. , 2021, , 245-280.		0