

Miriam Kolko

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

2,023
citations

304602

22
h-index

302012

39
g-index

102
all docs

102
docs citations

102
times ranked

1985
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflammation in Glaucoma: From the back to the front of the eye, and beyond. Progress in Retinal and Eye Research, 2021, 83, 100916.	7.3	183
2	The Role of Inflammation in the Pathogenesis of Glaucoma. Survey of Ophthalmology, 2013, 58, 311-320.	1.7	168
3	Synergy by Secretory Phospholipase A2 and Glutamate on Inducing Cell Death and Sustained Arachidonic Acid Metabolic Changes in Primary Cortical Neuronal Cultures. Journal of Biological Chemistry, 1996, 271, 32722-32728.	1.6	95
4	Nicotinamide provides neuroprotection in glaucoma by protecting against mitochondrial and metabolic dysfunction. Redox Biology, 2021, 43, 101988.	3.9	83
5	Mitochondrial dysfunction underlying outer retinal diseases. Mitochondrion, 2017, 36, 66-76.	1.6	67
6	Phase 3, Randomized, 20-Month Study of Aflibercept Implant in Open-Angle Glaucoma and Ocular Hypertension (ARTEMIS 1). Ophthalmology, 2020, 127, 1627-1641.	2.5	62
7	The Prevalence and Incidence of Glaucoma in Denmark in a Fifteen Year Period: A Nationwide Study. PLoS ONE, 2015, 10, e0132048.	1.1	55
8	Current Medical Therapy and Future Trends in the Management of Glaucoma Treatment. Journal of Ophthalmology, 2020, 2020, 1-14.	0.6	54
9	Glial Cells in Glaucoma: Friends, Foes, and Potential Therapeutic Targets. Frontiers in Neurology, 2021, 12, 624983.	1.1	50
10	Mitochondrial function in Müller cells - Does it matter?. Mitochondrion, 2017, 36, 43-51.	1.6	49
11	Secretory phospholipase A2-mediated neuronal cell death involves glutamate ionotropic receptors. NeuroReport, 2002, 13, 1963-1966.	0.6	44
12	Neuronal damage by secretory phospholipase A2: modulation by cytosolic phospholipase A2, platelet-activating factor, and cyclooxygenase-2 in neuronal cells in culture. Neuroscience Letters, 2003, 338, 164-168.	1.0	41
13	Lactate Transport and Receptor Actions in Retina: Potential Roles in Retinal Function and Disease. Neurochemical Research, 2016, 41, 1229-1236.	1.6	41
14	Monochromatic Pupillometry in Unilateral Glaucoma Discloses no Adaptive Changes Subserved by the ipRGCs. Frontiers in Neurology, 2014, 5, 15.	1.1	38
15	Secretory phospholipase A2 potentiates glutamate-induced rat striatal neuronal cell death in vivo. Neuroscience Letters, 1999, 274, 167-170.	1.0	35
16	Identification of Intracellular Phospholipases A2 in the Human Eye: Involvement in Phagocytosis of Photoreceptor Outer Segments. , 2007, 48, 1401.		34
17	Oxidative Stress-Induced Dysfunction of Müller Cells During Starvation. , 2016, 57, 2721.		34
18	Glutamate signalling and secretory phospholipase A2 modulate the release of arachidonic acid from neuronal membranes. Journal of Neuroscience Research, 2002, 68, 558-567.	1.3	33

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19	Antihypertensive Medication Postpones the Onset of Glaucoma. <i>Hypertension</i> , 2017, 69, 202-210.	1.3	33
20	Glaucoma Clinical Research: Trends in Treatment Strategies and Drug Development. <i>Frontiers in Medicine</i> , 2021, 8, 733080.	1.2	33
21	Micro<scp>RNA</scp> expression analysis and <scp>M</scp>ultiplex ligationâ€dependent probe amplification in metastatic and nonâ€metastatic uveal melanoma. <i>Acta Ophthalmologica</i> , 2014, 92, 541-549.	0.6	29
22	A Perspective on the MÃ¼ller Cell-Neuron Metabolic Partnership in the Inner Retina. <i>Molecular Neurobiology</i> , 2018, 55, 5353-5361.	1.9	28
23	Characterization and location of secretory phospholipase A2 groups IIE, V, and X in the rat brain. <i>Journal of Neuroscience Research</i> , 2006, 83, 874-882.	1.3	26
24	Lactate-Mediated Protection of Retinal Ganglion Cells. <i>Journal of Molecular Biology</i> , 2019, 431, 1878-1888.	2.0	25
25	Limited Energy Supply in MÃ¼ller Cells Alters Glutamate Uptake. <i>Neurochemical Research</i> , 2014, 39, 941-949.	1.6	24
26	Lactate: More Than Merely a Metabolic Waste Product in the Inner Retina. <i>Molecular Neurobiology</i> , 2020, 57, 2021-2037.	1.9	24
27	Oxidative Stress in Optic Neuropathies. <i>Antioxidants</i> , 2021, 10, 1538.	2.2	24
28	Expression and Induction of Secretory Phospholipase A Group IB in Brain. <i>Cellular and Molecular Neurobiology</i> , 2005, 25, 1107-1122.	1.7	23
29	Astrocytic reactivity triggered by defective autophagy and metabolic failure causes neurotoxicity in frontotemporal dementia type 3. <i>Stem Cell Reports</i> , 2021, 16, 2736-2751.	2.3	23
30	Essential Roles of Lactate in MÃ¼ller Cell Survival and Function. <i>Molecular Neurobiology</i> , 2018, 55, 9108-9121.	1.9	22
31	Generation of transgene-free porcine intermediate type induced pluripotent stem cells. <i>Cell Cycle</i> , 2018, 17, 2547-2563.	1.3	22
32	Clinical and molecular markers in retinal detachmentâ€From hyperreflective points to stem cells and inflammation. <i>PLoS ONE</i> , 2019, 14, e0217548.	1.1	21
33	Bidirectional association between atopic dermatitis, conjunctivitis, and other ocular surface diseases: A systematic review and meta-analysis. <i>Journal of the American Academy of Dermatology</i> , 2021, 85, 453-461.	0.6	21
34	Neuroprotection of the inner retina: MÃ¼ller cells and lactate. <i>Neural Regeneration Research</i> , 2018, 13, 1741.	1.6	21
35	Expression and location of mRNAs encoding multiple forms of secretory phospholipase A2 in the rat retina. <i>Journal of Neuroscience Research</i> , 2004, 77, 517-524.	1.3	19
36	Dual Properties of Lactate in MÃ¼ller Cells: The Effect of GPR81 Activation. , 2019, 60, 999.		19

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37	When Is a Control Not a Control? Reactive Microglia Occur Throughout the Control Contralateral Pathway of Retinal Ganglion Cell Projections in Experimental Glaucoma. <i>Translational Vision Science and Technology</i> , 2021, 10, 22.	1.1	19
38	IL-4 and IL-13 both contribute to the homeostasis of human conjunctival goblet cells in vitro. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 2555-2558.	2.7	19
39	Phospholipases A2 in ocular homeostasis and diseases. <i>Biochimie</i> , 2010, 92, 611-619.	1.3	18
40	Disturbed mitochondrial function restricts glutamate uptake in the human Müller glia cell line, MIO-M1. <i>Mitochondrion</i> , 2017, 36, 52-59.	1.6	18
41	Potential metabolic markers in glaucoma and their regulation in response to hypoxia. <i>Acta Ophthalmologica</i> , 2019, 97, 567-576.	0.6	18
42	The physical properties of generic latanoprost ophthalmic solutions are not identical. <i>Acta Ophthalmologica</i> , 2017, 95, 370-373.	0.6	16
43	Human secretory phospholipase A2, group IB in normal eyes and in eye diseases. <i>Acta Ophthalmologica</i> , 2006, 85, 317-323.	0.4	15
44	Cyclooxygenase-2 expression in the normal human eye and its expression pattern in selected eye tumours. <i>Acta Ophthalmologica</i> , 2011, 89, 681-685.	0.6	15
45	Lactate transport and receptor actions in cerebral malaria. <i>Frontiers in Neuroscience</i> , 2014, 8, 125.	1.4	13
46	Danish Nationwide Data Reveal a Link between Diabetes Mellitus, Diabetic Retinopathy, and Glaucoma. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-10.	1.0	13
47	What Do We Really Know about the Effectiveness of Glaucoma Interventions?. <i>Ophthalmology Glaucoma</i> , 2021, 4, 454-462.	0.9	13
48	Prevalence of Charles Bonnet syndrome in patients with glaucoma: a systematic review with meta-analyses. <i>Acta Ophthalmologica</i> , 2021, 99, 128-133.	0.6	12
49	Benzalkonium Chloride-Preserved Anti-Glaucomatous Eye Drops and Their Effect on Human Conjunctival Goblet Cells in vitro. <i>Biomedicine Hub</i> , 2021, 6, 69-76.	0.4	12
50	Secretory phospholipase A2 induces delayed neuronal COX-2 expression compared with glutamate. <i>Journal of Neuroscience Research</i> , 2002, 69, 169-177.	1.3	11
51	Interaction between VEGF and Calcium-Independent Phospholipase A ₂ in Proliferation and Migration of Retinal Pigment Epithelium. <i>Current Eye Research</i> , 2012, 37, 500-507.	0.7	11
52	Conjunctival Goblet Cells, the Overlooked Cells in Glaucoma Treatment. <i>Journal of Glaucoma</i> , 2019, 28, 325-333.	0.8	11
53	Efficacy and safety evaluation of benzalkonium chloride preserved eye-drops compared with alternatively preserved and preservative-free eye-drops in the treatment of glaucoma: a systematic review and meta-analysis. <i>British Journal of Ophthalmology</i> , 2020, 104, bjophthalmol-2019-315623.	2.1	11
54	Impact of benzalkonium chloride-preserved and preservative-free latanoprost eye drops on cultured human conjunctival goblet cells upon acute exposure and differences in physicochemical properties of the eye drops. <i>BMJ Open Ophthalmology</i> , 2021, 6, e000892.	0.8	11

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55	Role of Phospholipase A2 in the Induction of Drip Loss in Porcine Muscle. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1970-1976.	2.4	10
56	Melanopsin-mediated pupillary light reflex and sleep quality in patients with normal tension glaucoma. <i>Acta Ophthalmologica</i> , 2020, 98, 65-73.	0.6	10
57	A Scoping Review of Quality of Life Questionnaires in Glaucoma Patients. <i>Journal of Glaucoma</i> , 2021, 30, 732-743.	0.8	10
58	Calcium-independent phospholipase A2 regulates retinal pigment epithelium proliferation and may be important in the pathogenesis of retinal diseases. <i>Experimental Eye Research</i> , 2009, 89, 383-391.	1.2	9
59	Matrix Metalloproteinase-2 Is Expressed in Melanoma-Associated Spongiform Scleropathy. , 2008, 49, 2806.		8
60	Cyclooxygenase-2 immunoreactivity in collagenous colitis. <i>Apms</i> , 2009, 117, 500-506.	0.9	8
61	Estrogen Power in Glaucoma: The Role of Estrogen in Primary Open Angle Glaucoma. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 41-57.	1.7	8
62	Evaluation of Generic versus Original Prostaglandin Analogues in the Treatment of Glaucoma. <i>Ophthalmology Glaucoma</i> , 2020, 3, 51-59.	0.9	8
63	Glucagon-Like Peptide 1 Receptor Agonists – Potential Game Changers in the Treatment of Glaucoma?. <i>Frontiers in Neuroscience</i> , 2022, 16, 824054.	1.4	7
64	Adverse Effects and Safety in Glaucoma Patients: Agreement on Clinical Trial Outcomes for Reports on Eye Drops (ASGARD) – A Delphi Consensus Statement. <i>American Journal of Ophthalmology</i> , 2022, 241, 190-197.	1.7	7
65	Generic benzalkonium chloride-preserved travoprost eye drops are not identical to the branded polyquarternium-1-preserved travoprost eye drop. <i>Acta Ophthalmologica</i> , 2022, 100, 819-827.	0.6	6
66	Rho kinase inhibitor for primary open-angle glaucoma and ocular hypertension. <i>The Cochrane Library</i> , 2022, 2022, .	1.5	6
67	Visual field defects after temporal lobe resection for epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 54, 1-6.	0.9	5
68	Increased Antioxidant Capacity and Pro-Homeostatic Lipid Mediators in Ocular Hypertension – A Human Experimental Model. <i>Journal of Clinical Medicine</i> , 2020, 9, 2979.	1.0	5
69	Calcium-independent phospholipase A ₂ , group VIA, is critical for RPE cell survival. <i>Molecular Vision</i> , 2014, 20, 511-21.	1.1	5
70	Food purchases in households with and without diabetes based on consumer purchase data. <i>Primary Care Diabetes</i> , 2022, 16, 574-580.	0.9	5
71	Diverse Regulation of Retinal Pigment Epithelium Phagocytosis of Photoreceptor Outer Segments by Calcium-Independent Phospholipase A ₂ , Group VIA and Secretory Phospholipase A ₂ , Group IB. <i>Current Eye Research</i> , 2012, 37, 930-940.	0.7	4
72	Decreased Glucose Metabolism and Glutamine Synthesis in the Retina of a Transgenic Mouse Model of Alzheimer's Disease. <i>Cellular and Molecular Neurobiology</i> , 2021, , 1.	1.7	4

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73	An Evaluation of the Physicochemical Properties of Preservative-Free 0.005% (w/v) Latanoprost Ophthalmic Solutions, and the Impact on In Vitro Human Conjunctival Goblet Cell Survival. <i>Journal of Clinical Medicine</i> , 2022, 11, 3137.	1.0	4
74	Can DMCO Detect Visual Field Loss in Neurological Patients? A Secondary Validation Study. <i>Ophthalmic Research</i> , 2017, 58, 85-93.	1.0	3
75	Mitochondria and the eye diseases - Editorial. <i>Mitochondrion</i> , 2017, 36, 1-3.	1.6	3
76	Comparative efficacy and safety of preserved versus preservative-free beta-blockers in patients with glaucoma or ocular hypertension: a systematic review. <i>Acta Ophthalmologica</i> , 2021, , .	0.6	3
77	Novel Approaches to Optimize Treatment Strategies in Glaucoma. <i>Journal of Ophthalmology</i> , 2021, 2021, 1-2.	0.6	3
78	Prevention of Cell Death by Activation of Hydroxycarboxylic Acid Receptor 1 (GPR81) in Retinal Explants. <i>Cells</i> , 2022, 11, 2098.	1.8	3
79	Potential link between sporadic cerebral amyloid angiopathy and vision loss: a case report. <i>Acta Ophthalmologica</i> , 2018, 96, e753-e755.	0.6	2
80	Enrichment of retinal ganglion and Müller glia progenitors from retinal organoids derived from human induced pluripotent stem cells - possibilities and current limitations. <i>World Journal of Stem Cells</i> , 2020, 12, 1171-1183.	1.3	2
81	Neural Derivates of Canine Induced Pluripotent Stem Cells-Like Cells From a Mild Cognitive Impairment Dog. <i>Frontiers in Veterinary Science</i> , 2021, 8, 725386.	0.9	2
82	Enhanced depth imaging optical coherence tomography of the optic nerve head improves correct diagnosis in glaucoma suspects without glaucomatous optic disc morphology. <i>BMJ Case Reports</i> , 2022, 15, e248109.	0.2	2
83	Detection of visual field defects by opticians " with Damato Multifixation Campimetry Online. <i>Acta Ophthalmologica</i> , 2019, 97, 577-582.	0.6	1
84	Betaxolol Ophthalmic Solution as Alternative Treatment for Patients with Timolol Allergy: A Case Report. <i>Reports</i> , 2020, 3, 21.	0.2	1
85	Enhanced Physiological Stress Response in Patients with Normal Tension Glaucoma during Hypoxia. <i>Journal of Ophthalmology</i> , 2021, 2021, 1-9.	0.6	0
86	Seasonal variation in neurohormones, mood and sleep in patients with primary open angle glaucoma " implications of the ipRGC-system. <i>Chronobiology International</i> , 2021, 38, 1421-1431.	0.9	0