

Tomasz Å»arnowski

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,637
citations

361413

20
h-index

345221

36
g-index

91
all docs

91
docs citations

91
times ranked

2202
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide association study identifies five new susceptibility loci for primary angle closure glaucoma. <i>Nature Genetics</i> , 2016, 48, 556-562.	21.4	147
2	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. <i>Nature Genetics</i> , 2017, 49, 993-1004.	21.4	114
3	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. <i>Nature Genetics</i> , 2015, 47, 387-392.	21.4	97
4	Acellular human corneal matrix sheets seeded with human adipose-derived mesenchymal stem cells integrate functionally in an experimental animal model. <i>Experimental Eye Research</i> , 2015, 132, 91-100.	2.6	88
5	Citicoline and lithium rescue retinal ganglion cells following partial optic nerve crush in the rat. <i>Experimental Eye Research</i> , 2006, 83, 1128-1134.	2.6	73
6	Anticonvulsant profile of caprylic acid, a main constituent of the medium-chain triglyceride (MCT) ketogenic diet, in mice. <i>Neuropharmacology</i> , 2012, 62, 1882-1889.	4.1	68
7	Acute anticonvulsant effects of capric acid in seizure tests in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 57, 110-116.	4.8	68
8	Phase 3, Randomized, 20-Month Study of Bimatoprost Implant in Open-Angle Glaucoma and Ocular Hypertension (ARTEMIS 1). <i>Ophthalmology</i> , 2020, 127, 1627-1641.	5.2	62
9	2,3-dihydroxy-6-nitro-7-sulfamoylbenzo(F)quinoxaline enhances the protective activity of common antiepileptic drugs against maximal electroshock-induced seizures in mice. <i>Neuropharmacology</i> , 1993, 32, 895-900.	4.1	49
10	Comparison of the use of 5-fluorouracil and bevacizumab in primary trabeculectomy: results at 1 year. <i>Clinical and Experimental Ophthalmology</i> , 2012, 40, e135-42.	2.6	35
11	Neuroprotection by acetoacetate and β -hydroxybutyrate against NMDA-induced RGC damage in rat: possible involvement of kynurenic acid. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2010, 248, 1729-1735.	1.9	34
12	Influence of combined treatment with NMDA and non-NMDA receptor antagonists on electroconvulsions in mice. <i>European Journal of Pharmacology</i> , 1995, 281, 327-333.	3.5	29
13	The competitive NMDA antagonist, D-CPP-ene, potentiates the anticonvulsant activity of conventional antiepileptics against maximal electroshock-induced seizures in mice. <i>Neuropharmacology</i> , 1994, 33, 619-624.	4.1	28
14	Neuroprotective effects of tempol on retinal ganglion cells in a partial optic nerve crush rat model with and without iron load. <i>Experimental Eye Research</i> , 2010, 90, 254-260.	2.6	28
15	Ketogenic diet increases concentrations of kynurenic acid in discrete brain structures of young and adult rats. <i>Journal of Neural Transmission</i> , 2012, 119, 679-684.	2.8	25
16	Elevated Concentrations of Kynurenic Acid, a Tryptophan Derivative, in Dense Nuclear Cataracts. <i>Current Eye Research</i> , 2007, 32, 27-32.	1.5	24
17	Alterations of kynurenic acid content in the retina in response to retinal ganglion cell damage. <i>Vision Research</i> , 2003, 43, 497-503.	1.4	23
18	Presence of kynurenic acid and kynurenine aminotransferases in the inner retina. <i>NeuroReport</i> , 2001, 12, 3675-3678.	1.2	22

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19	Clinical Efficacy of Platelet-Rich Plasma in the Treatment of Neurotrophic Corneal Ulcer. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-7.	1.3	22
20	Analysis and Modeling of Anatomical Changes of the Anterior Segment of the Eye After Cataract Surgery with Consideration of Different Phenotypes of Eye Structure. <i>Current Eye Research</i> , 2015, 40, 1018-1027.	1.5	21
21	Pharmacodynamic and pharmacokinetic interactions between common antiepileptic drugs and acetone, the chief anticonvulsant ketone body elevated in the ketogenic diet in mice. <i>Epilepsia</i> , 2009, 50, 1132-1140.	5.1	20
22	Occurrence of human papillomavirus in pterygia. <i>Acta Ophthalmologica</i> , 2009, 87, 890-895.	1.1	20
23	Deterioration of filtering bleb morphology and function after phacoemulsification. <i>BMC Ophthalmology</i> , 2013, 13, 17.	1.4	20
24	Investigation of whole mitochondrial genome variation in normal tension glaucoma. <i>Experimental Eye Research</i> , 2019, 178, 186-197.	2.6	20
25	Vision-Related Quality of Life in Patients with Diabetic Macular Edema Treated with Intravitreal Aflibercept. <i>Ophthalmology Retina</i> , 2019, 3, 567-575.	2.4	19
26	Content of Kynurenic Acid and Activity of Kynurenine Aminotransferases in Mammalian Eyes. <i>Ophthalmic Research</i> , 2004, 36, 124-128.	1.9	18
27	Risk Factors of Malignant Glaucoma Occurrence after Glaucoma Surgery. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-6.	1.3	18
28	Ocular and Systemic Risk Factors of Different Morphologies of Scotoma in Patients with Normal-Tension Glaucoma. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-6.	1.3	17
29	Wide-Field Landers Temporary Keratoprosthesis in Severe Ocular Trauma: Functional and Anatomical Results after One Year. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-6.	1.3	16
30	Noninferiority of Preservative-free Versus BAK-preserved Latanoprost-timolol Fixed Combination Eye Drops in Patients With Open-angle Glaucoma or Ocular Hypertension. <i>Journal of Glaucoma</i> , 2019, 28, 498-506.	1.6	16
31	Association of Rare <i>CYP39A1</i> Variants With Exfoliation Syndrome Involving the Anterior Chamber of the Eye. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 753.	7.4	16
32	Evaluation of the Effectiveness of Surgical Treatment of Malignant Glaucoma in Pseudophakic Eyes through Partial PPV with Establishment of Communication between the Anterior Chamber and the Vitreous Cavity. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-6.	1.3	15
33	Late-Onset Lattice Corneal Dystrophy Without Typical Lattice Lines Caused by a Novel Mutation in the <i>TGFBI</i> Gene. <i>Cornea</i> , 2014, 33, 294-299.	1.7	14
34	Results of Nailfold Capillaroscopy in Patients with Normal-Tension Glaucoma. <i>Current Eye Research</i> , 2018, 43, 747-753.	1.5	14
35	Safety and Efficacy of Second Ahmed Valve Implant in Refractory Glaucoma. <i>Journal of Clinical Medicine</i> , 2020, 9, 2039.	2.4	14
36	MicroRNAs in the aqueous humor of patients with different types of glaucoma. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 2337-2349.	1.9	14

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37	Volume of Lateral Geniculate Nucleus in Patients with Glaucoma in 7Tesla MRI. <i>Journal of Clinical Medicine</i> , 2020, 9, 2382.	2.4	13
38	Risk Factors for Normal and High-Tension Glaucoma in Poland in Connection with Polymorphisms of the Endothelial Nitric Oxide Synthase Gene. <i>PLoS ONE</i> , 2016, 11, e0147540.	2.5	13
39	Comparison of static automated perimetry and semi-automated kinetic perimetry in patients with bilateral visible optic nerve head drusen. <i>Acta Ophthalmologica</i> , 2009, 87, 801-805.	1.1	12
40	Kynurenic acid and kynurenine aminotransferases in retinal aging and neurodegeneration. <i>Pharmacological Reports</i> , 2011, 63, 1324-1334.	3.3	12
41	Changes of kynurenic acid content in the rat and chicken retina during ontogeny. , 2002, 240, 687-691.		11
42	Ontogenic changes of kynurenine aminotransferase I activity and its expression in the chicken retina. <i>Vision Research</i> , 2003, 43, 1513-1517.	1.4	11
43	A novel biomarker for retinal degeneration: vitreous body neurofilament proteins. <i>Journal of Neural Transmission</i> , 2009, 116, 1601-1606.	2.8	11
44	Variability in Isopter Position and Fatigue during Semi-Automated Kinetic Perimetry. <i>Ophthalmologica</i> , 2012, 227, 166-172.	1.9	11
45	Risk Factors in Normal-Tension Glaucoma and High-Tension Glaucoma in relation to Polymorphisms of Endothelin-1 Gene and Endothelin-1 Receptor Type A Gene. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-12.	1.3	11
46	Ketogenic Diet Attenuates NMDA-Induced Damage to Rat's Retinal Ganglion Cells in an Age-Dependent Manner. <i>Ophthalmic Research</i> , 2015, 53, 162-167.	1.9	11
47	The use of Schirmer strips to measure salivary and lacrimal flow in non-Sjögren patients. <i>Clinical Oral Investigations</i> , 2021, 25, 4107-4114.	3.0	11
48	Kynurenic Acid and Neuroprotective Activity of the Ketogenic Diet in the Eye. <i>Current Medicinal Chemistry</i> , 2017, 24, 3547-3558.	2.4	11
49	Effects of topical bevacizumab application on early bleb failure after trabeculectomy: observational case series. <i>Clinical Ophthalmology</i> , 2013, 7, 1929.	1.8	10
50	A simple and effective protocol for fast isolation of human Tenon's fibroblasts from a single trabeculectomy biopsy – a comparison of cell behaviour in different culture media. <i>Cellular and Molecular Biology Letters</i> , 2017, 22, 5.	7.0	10
51	A ketogenic diet may offer neuroprotection in glaucoma and mitochondrial diseases of the optic nerve. <i>Medical Hypothesis, Discovery, and Innovation in Ophthalmology</i> , 2012, 1, 45-9.	0.2	10
52	Expression of double strand DNA breaks repair genes in pterygium. <i>Ophthalmic Genetics</i> , 2011, 32, 39-47.	1.2	9
53	Phacotrabeculectomy using collagen matrix implant (Ologen®) versus mitomycin C: a prospective randomized controlled trial. <i>Acta Ophthalmologica</i> , 2019, 97, e817-e826.	1.1	9
54	Results of Neuroimaging in Patients with Atypical Normal-Tension Glaucoma. <i>BioMed Research International</i> , 2020, 2020, 1-8.	1.9	8

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55	Revision of trabeculectomy filtering blebs with mitomycin C: Long term results. Indian Journal of Ophthalmology, 2016, 64, 822.	1.1	8
56	Kearns-Sayre syndrome, abnormal corneal endothelium and normal tension glaucoma. Acta Ophthalmologica, 2003, 81, 543-545.	0.3	7
57	Circumferential Assessment of Changes in Anterior Segment Characteristics and Baseline Predictors of Angle Widening After Laser Iridotomy in Caucasian Eyes. Journal of Glaucoma, 2021, 30, 839-845.	1.6	7
58	Plasma endothelin-1 and single nucleotide polymorphisms of as risk factors for normal tension glaucoma. Molecular Vision, 2016, 22, 1256-1266.	1.1	7
59	Estrogen receptor gene polymorphisms and their influence on clinical status of Caucasian patients with primary open angle glaucoma. Ophthalmic Genetics, 2019, 40, 323-328.	1.2	6
60	Disc haemorrhages in Polish Caucasian patients with normal tension glaucoma. Acta Ophthalmologica, 2019, 97, 68-73.	1.1	6
61	Evidence for Intraocular Synthesis of Kynurenic Acid, a Putative Endogenous Neuroprotectant. Ophthalmic Research, 2001, 33, 107-110.	1.9	5
62	Progression of normal tension glaucoma in Kearns-Sayre syndrome over 10 years. Clinical and Experimental Ophthalmology, 2012, 40, 218-220.	2.6	5
63	Presence and distribution of l-kynurenine aminotransferases immunoreactivity in human cataractous lenses. Acta Ophthalmologica, 2013, 91, e450-e455.	1.1	5
64	Relationship between the area of isopters and Vigabatrin dosage during two years of observation. BMC Ophthalmology, 2014, 14, 56.	1.4	5
65	Proconvulsant effects of the ketogenic diet in electroshock-induced seizures in mice. Metabolic Brain Disease, 2017, 32, 351-358.	2.9	5
66	Therapeutic HL-Contact Lens versus Standard Bandage Contact Lens for Corneal Edema: A Prospective, Multicenter, Randomized, Crossover Study. Journal of Ophthalmology, 2020, 2020, 1-5.	1.3	5
67	<p>Clinical Features of Pseudoexfoliative Glaucoma in Treated Polish Patients</p>. Clinical Ophthalmology, 2020, Volume 14, 1373-1381.	1.8	5
68	Associations between <i>OPA1</i>, <i>MFN1</i>, and <i>MFN2</i> polymorphisms and primary open angle glaucoma in Polish participants of European ancestry. Ophthalmic Genetics, 2022, 43, 42-47.	1.2	5
69	Intraocular lens power calculations in eyes with pseudoexfoliation syndrome. Scientific Reports, 2021, 11, 19071.	3.3	5
70	Subjective Complaints of Ocular Dryness and Xerostomia Among the Non-Sjögren Adult Population of Lublin Region, Poland. Medical Science Monitor, 2018, 24, 200-206.	1.1	5
71	Massive Demodicosis of the Eyes in a Patient with Sjögren Syndrome: A Case Report. Acta Parasitologica, 2021, 66, 677-681.	1.1	4
72	Immunohistochemical identification of kynurenine aminotransferases in corpora amylacea in the human retina and optic nerve. Folia Neuropathologica, 2007, 45, 66-71.	1.2	3

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73	Visual Tract Degradation in Bilateral Normal-Tension Glaucomaâ€”Cortical Thickness Maps and Volumetric Study of Visual Pathway Areas. <i>Journal of Clinical Medicine</i> , 2022, 11, 1907.	2.4	3
74	Kynurenic acid synthesis in bovine retinal slices â€” effect of glutamate agonists. <i>Journal of Neural Transmission</i> , 2006, 113, 1367-1372.	2.8	2
75	Management algorithms for primary angle closure disease: comment. <i>Clinical and Experimental Ophthalmology</i> , 2014, 42, 400-401.	2.6	1
76	Comparison of Self-Reported and Objective Adherence to Antiglaucoma Medications. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 403-404.	1.4	1
77	Occupational exposure as a presumable cause of subcutaneous sarcoidosis in a tannery worker â€” case report and review of the literature. <i>Postepy Dermatologii I Alergologii</i> , 2018, 35, 118-121.	0.9	1
78	Bleb Compressive Sutures in the Management of Hypotony Maculopathy after Glaucoma Surgery. <i>Journal of Clinical Medicine</i> , 2021, 10, 2223.	2.4	1
79	Limb Approach Phacovitrectomy to Treat Cataract with Clinically Significant Asteroid Hyalosisâ€”Presentation of the Technique and Preliminary Results. <i>Journal of Clinical Medicine</i> , 2021, 10, 3338.	2.4	1
80	Efficacy and safety of mitomycin C-augmented revisions of non-functioning filtering blebs after trabeculectomy--7 year results. <i>Klinika Oczna</i> , 2013, 115, 177-83.	0.0	1
81	Cataract surgery today and 20 years ago. <i>Zdrowie Publiczne</i> , 2015, 125, 9-13.	0.1	0
82	Predictive Value of Bleb Vascularity after Mitomycin C Augmented Trabeculectomy. <i>Journal of Clinical Medicine</i> , 2020, 9, 3501.	2.4	0
83	Minimally invasive glaucoma surgery (MIGS): XEN implant. <i>OphthaTherapy Therapies in Ophthalmology</i> , 2019, 6, 18-23.	0.1	0
84	Jaskra zÅ¸oÅ¸liwa: nowe poglÅ¸dy na etiopatogenezÄ™ i postÄ™powanie. <i>OphthaTherapy Therapies in Ophthalmology</i> , 2019, 6, 160-167.	0.1	0
85	MikroRNA w patogenezie jaskry. <i>OphthaTherapy Therapies in Ophthalmology</i> , 0, , .	0.1	0
86	Ocena kliniczna wpÅ¸ywu bewacyzumabu w kroplach na morfologiÄ™ i funkcjÄ™ pÄ™cherzyka filtracyjnego z objawami niewydolnoÅ¸ci. <i>OphthaTherapy Therapies in Ophthalmology</i> , 2020, 7, 203-212.	0.1	0
87	Revisiting the Awareness and Understanding the Associations between Intracranial Tumors and Optic Neuropathy. <i>Diagnostics</i> , 2021, 11, 2374.	2.6	0
88	Glaucoma - the significant challenge for the healthcare system in Poland. <i>Journal of Education, Health and Sport</i> , 2022, 12, 30-39.	0.1	0