

Einar Stef  nsson

List of Publications by Year in descending order

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Version: 2024-02-01

131
papers

8,274
citations

57758

44
h-index

56724

83
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137
all docs

137
docs citations

137
times ranked

5849
citing authors

#	ARTICLE	IF	CITATIONS
1	Topical treatment of diabetic macular edema using dexamethasone ophthalmic suspension: A randomized, double-masked, vehicle-controlled study. <i>Acta Ophthalmologica</i> , 2023, 101, 22-33.	1.1	8
2	Topical noninvasive retinal drug delivery of a tyrosine kinase inhibitor: 3% cediranib maleate cyclodextrin nanoparticle eye drops in the rabbit eye. <i>Acta Ophthalmologica</i> , 2022, 100, 788-796.	1.1	5
3	Angiotensin converting enzyme inhibitors/cyclodextrin inclusion complexes: solution and solid-state characterizations and their thermal stability. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2022, 102, 347-358.	1.6	2
4	Changes in ocular blood flow and retinal oxygen metabolism during immunosuppressive therapy for initial-onset acute uveitis associated with Vogt-Koyanagi-Harada disease. <i>Acta Ophthalmologica</i> , 2022, , .	1.1	1
5	Effect of Soluplus® on β -cyclodextrin solubilization of irbesartan and candesartan and their nanoaggregates formation. <i>Pharmaceutical Development and Technology</i> , 2022, 27, 9-18.	2.4	0
6	Physicochemical and Stability Evaluation of Topical Niosomal Encapsulating Fosinopril/ β -Cyclodextrin Complex for Ocular Delivery. <i>Pharmaceutics</i> , 2022, 14, 1147.	4.5	14
7	Acta Ophthalmologica 2021. <i>Acta Ophthalmologica</i> , 2022, 100, 483-485.	1.1	0
8	Validation of a model for the prediction of retinopathy in persons with type 1 diabetes. <i>British Journal of Ophthalmology</i> , 2021, 105, 1286-1288.	3.9	13
9	Angiotensin Receptor Blockers in cyclodextrin nanoparticle eye drops: Ocular pharmacokinetics and pharmacologic effect on intraocular pressure. <i>Acta Ophthalmologica</i> , 2021, 99, 376-382.	1.1	13
10	Effect of immunosuppressive therapy on oxygen saturation and diameter of retinal vessels in initial onset acute uveitis associated with Vogt-Koyanagi-Harada disease. <i>Acta Ophthalmologica</i> , 2021, 99, 75-82.	1.1	8
11	Automatic fundus image quality assessment on a continuous scale. <i>Computers in Biology and Medicine</i> , 2021, 129, 104114.	7.0	13
12	Non-invasive structural and metabolic retinal markers of disease activity in non-proliferative diabetic retinopathy. <i>Acta Ophthalmologica</i> , 2021, 99, 790-796.	1.1	4
13	The most successful year in the history of <i>Acta Ophthalmologica</i> . <i>Acta Ophthalmologica</i> , 2021, 99, 117-117.	1.1	0
14	Retinal oximetry with a prototype handheld oximeter during hyperoxia. <i>Acta Ophthalmologica</i> , 2021, 99, e1390-e1395.	1.1	1
15	Aqueous eye drops containing drug/cyclodextrin nanoparticles deliver therapeutic drug concentrations to both anterior and posterior segment. <i>Acta Ophthalmologica</i> , 2021, , .	1.1	19
16	Successful years of collaboration between <i>Acta Ophthalmologica</i> and the European Association for Vision and Eye Research. <i>Acta Ophthalmologica</i> , 2021, 99, 239-239.	1.1	0
17	Bio-Distribution and Pharmacokinetics of Topically Administered β -Cyclodextrin Based Eye Drops in Rabbits. <i>Pharmaceutics</i> , 2021, 14, 480.	3.8	8
18	Retinal oxygen saturation changes progressively over time in diabetic retinopathy. <i>PLoS ONE</i> , 2021, 16, e0251607.	2.5	8

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19	The state of your journal Acta Ophthalmologica 2020. Acta Ophthalmologica, 2021, 99, 467-469.	1.1	0
20	Cyclodextrin-based formulation of carbonic anhydrase inhibitors for ocular delivery – A review. International Journal of Pharmaceutics, 2021, 606, 120955.	5.2	12
21	Automation improves repeatability of retinal oximetry measurements. PLoS ONE, 2021, 16, e0260120.	2.5	3
22	RETINAL OXIMETRY IS ALTERED IN EYES WITH CHOROIDAL MELANOMA BUT NOT IN EYES WITH CHOROIDAL NEVI. Retina, 2020, 40, 2207-2215.	1.7	3
23	Can postoperative dexamethasone nanoparticle eye drops replace mitomycin C in trabeculectomy?. Acta Ophthalmologica, 2020, 98, 607-612.	1.1	8
24	Treatment of non-infectious ophthalmic inflammatory diseases with 1.5% dexamethasone β -cyclodextrin nanoparticle eye drops. Acta Ophthalmologica, 2019, 97, 824-827.	1.1	5
25	Retinal oximetry: Metabolic imaging for diseases of the retina and brain. Progress in Retinal and Eye Research, 2019, 70, 1-22.	15.5	89
26	Drug delivery to retinal photoreceptors. Drug Discovery Today, 2019, 24, 1637-1643.	6.4	48
27	Retinal vessel oxygen saturation is affected in uveitis associated with Vogt-Koyanagi-Harada disease. British Journal of Ophthalmology, 2019, 103, bjophthalmol-2018-313719.	3.9	7
28	Retinal metabolic and structural alterations in response to aflibercept treatment in neovascular age-related macular degeneration. Acta Ophthalmologica, 2019, 97, 525-531.	1.1	9
29	Retinal oxygen saturation is an independent risk factor for the severity of diabetic retinopathy. British Journal of Ophthalmology, 2019, 103, 1167-1172.	3.9	19
30	Topical drug delivery to the posterior segment of the eye: Dexamethasone concentrations in various eye tissues after topical administration for up to 15 days to rabbits. Journal of Drug Delivery Science and Technology, 2018, 45, 449-454.	3.0	34
31	Retinal oxygen metabolism in patients with mild cognitive impairment. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 340-345.	2.4	27
32	Handheld Retinal Oximetry in Healthy Young Adults. Translational Vision Science and Technology, 2018, 7, 19.	2.2	4
33	Topical drug delivery to the posterior segment of the eye: The effect of benzalkonium chloride on topical dexamethasone penetration into the eye in vivo. Journal of Drug Delivery Science and Technology, 2018, 48, 125-127.	3.0	11
34	Why does vitreoretinal traction create macular oedema?. Acta Ophthalmologica, 2018, 96, e533-e534.	1.1	2
35	Fundus imaging in newborn children with wide-field scanning laser ophthalmoscope. Acta Ophthalmologica, 2017, 95, 842-844.	1.1	7
36	Cyclodextrins and topical drug delivery to the anterior and posterior segments of the eye. International Journal of Pharmaceutics, 2017, 531, 413-423.	5.2	97

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37	Formulations and toxicologic in vivo studies of aqueous cyclosporin A eye drops with cyclodextrin nanoparticles. <i>International Journal of Pharmaceutics</i> , 2017, 529, 486-490.	5.2	26
38	Retinal Oximetry Discovers Novel Biomarkers in Retinal and Brain Diseases. , 2017, 58, BIO227.		61
39	Retinal oximetry measures systemic hypoxia in central nervous system vessels in chronic obstructive pulmonary disease. <i>PLoS ONE</i> , 2017, 12, e0174026.	2.5	19
40	Retinal Oximetry with Scanning Laser Ophthalmoscope in Infants. <i>PLoS ONE</i> , 2016, 11, e0148077.	2.5	16
41	Early detection of type 2 diabetes mellitus and screening for retinopathy are associated with reduced prevalence and severity of retinopathy. <i>Acta Ophthalmologica</i> , 2016, 94, 232-239.	1.1	23
42	Fatty acids from marine lipids: Biological activity, formulation and stability. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 34, 71-75.	3.0	24
43	Topical dexamethasone β -cyclodextrin nanoparticle eye drops increase visual acuity and decrease macular thickness in diabetic macular oedema. <i>Acta Ophthalmologica</i> , 2015, 93, 610-615.	1.1	82
44	Retinal Oximetry Imaging in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 79-83.	2.6	65
45	Topical dexamethasone β -cyclodextrin nanoparticle eye drops for non-infectious uveitic macular oedema and vitritis – a pilot study. <i>Acta Ophthalmologica</i> , 2015, 93, 411-415.	1.1	38
46	Is metabolic imaging a new tool to monitor progression in retinal degenerations and atrophy?. <i>Acta Ophthalmologica</i> , 2015, 93, e437-8.	1.1	1
47	Retinal Vessel Oxygen Saturation during 100% Oxygen Breathing in Healthy Individuals. <i>PLoS ONE</i> , 2015, 10, e0128780.	2.5	28
48	Venous oxygen saturation is reduced and variable in central retinal vein occlusion. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1653-1661.	1.9	39
49	Development of a cyclodextrin-based aqueous cyclosporin A eye drop formulations. <i>International Journal of Pharmaceutics</i> , 2015, 493, 86-95.	5.2	39
50	Venous oxygen saturation is reduced and variable in central retinal vein occlusion. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1409-1409.	1.9	5
51	Clinical trial: free fatty acid suppositories compared with enema as bowel preparation for flexible sigmoidoscopy. <i>Frontline Gastroenterology</i> , 2015, 6, 278-283.	1.8	3
52	Development of eye drops containing antihypertensive drugs: formulation of aqueous irbesartan/ β -CD eye drops. <i>Pharmaceutical Development and Technology</i> , 2015, 20, 626-632.	2.4	25
53	Retinal Oximetry With a Scanning Laser Ophthalmoscope. , 2014, 55, 3120.		25
54	β -Cyclodextrin Nanoparticle Eye Drops with Dorzolamide: Effect on Intraocular Pressure in Man. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2014, 30, 35-41.	1.4	24

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55	Oximetry in glaucoma: correlation of metabolic change with structural and functional damage. Acta Ophthalmologica, 2014, 92, 105-110.	1.1	94
56	P2-128: RETINAL OXYGEN METABOLISM IN ALZHEIMER'S DISEASE. , 2014, 10, P518-P518.		0
57	Dorzolamide Cyclodextrin Nanoparticle Suspension Eye Drops and Trusopt in Rabbit. Journal of Ocular Pharmacology and Therapeutics, 2014, 30, 464-467.	1.4	10
58	Retinal oxygen metabolism in exudative age-related macular degeneration. Acta Ophthalmologica, 2014, 92, 27-33.	1.1	65
59	Retinal vessel oxygen saturation and vessel diameter in retinitis pigmentosa. Acta Ophthalmologica, 2014, 92, 449-453.	1.1	62
60	Automatic retinal vessel extraction based on directional mathematical morphology and fuzzy classification. Pattern Recognition Letters, 2014, 47, 164-171.	4.2	97
61	Kinetics of β -cyclodextrin nanoparticle suspension eye drops in tear fluid. Acta Ophthalmologica, 2014, 92, 550-556.	1.1	37
62	IV.A. Vitreous Physiology. , 2014, , 437-457.		2
63	Effect of β -cyclodextrin on solubilization and complexation of irbesartan: Influence of pH and excipients. International Journal of Pharmaceutics, 2014, 474, 80-90.	5.2	29
64	Retinal oxygen metabolism in healthy subjects and glaucoma patients. British Journal of Ophthalmology, 2014, 98, 329-333.	3.9	80
65	Retinal oximetry in central retinal artery occlusion. Acta Ophthalmologica, 2013, 91, 189-190.	1.1	32
66	Su1100 Marine Lipid Suppositories for Constipation in Children. Gastroenterology, 2013, 144, S-398-S-399.	1.3	2
67	Spectrophotometric Retinal Oximetry in Pigs. , 2013, 54, 2746.		11
68	Choroidal Oximetry With a Noninvasive Spectrophotometric Oximeter. , 2013, 54, 3234.		17
69	Retinal oxygen saturation is altered in diabetic retinopathy. British Journal of Ophthalmology, 2012, 96, 560-563.	3.9	193
70	Retinal Oximetry Images Must Be Standardized: A Methodological Analysis. , 2012, 53, 1729.		99
71	Retinal Vessel Oxygen Saturation in Healthy Individuals. , 2012, 53, 5433.		201
72	Clinical Trial: Marine Lipid Suppositories as Laxatives. Marine Drugs, 2012, 10, 2047-2054.	4.6	5

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73	Oxygen saturation in branch retinal vein occlusion. <i>Acta Ophthalmologica</i> , 2012, 90, 466-470.	1.1	63
74	Retinal Oximetry in Primary Open-Angle Glaucoma. , 2011, 52, 6409.		120
75	Metabolic physiology in age related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2011, 30, 72-80.	15.5	135
76	Pars plana vitrectomy for diabetic macular edema. Internal limiting membrane delamination vs posterior hyaloid removal. A prospective randomized trial. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2011, 249, 997-1008.	1.9	42
77	Reliability of vessel diameter measurements with a retinal oximeter. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2011, 249, 1311-1317.	1.9	50
78	Topical Dexamethasone-Cyclodextrin Microparticle Eye Drops for Diabetic Macular Edema. , 2011, 52, 7944.		90
79	Risk of retinal neovascularization in the second eye in patients with proliferative diabetic retinopathy. <i>Acta Ophthalmologica</i> , 2010, 88, 449-452.	1.1	5
80	Cyclodextrin microparticles for drug delivery to the posterior segment of the eye: aqueous dexamethasone eye drops. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 629-635.	2.4	95
81	Cyclodextrin solubilization of carbonic anhydrase inhibitor drugs: Formulation of dorzolamide eye drop microparticle suspension. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 208-214.	4.3	65
82	Oxygen Saturation in Central Retinal Vein Occlusion. <i>American Journal of Ophthalmology</i> , 2010, 150, 871-875.	3.3	96
83	Ocular blood flow and oxygen delivery to the retina in primary open-angle glaucoma patients: the addition of dorzolamide to timolol monotherapy. <i>Acta Ophthalmologica</i> , 2010, 88, 142-149.	1.1	33
84	Glaucoma Filtration Surgery and Retinal Oxygen Saturation. , 2009, 50, 5247.		45
85	Oxygen Saturation in Human Retinal Vessels Is Higher in Dark Than in Light. , 2009, 50, 2308.		82
86	Retinal oxygen consumption in vitro the effect of diabetes mellitus, oxygen and glucose. <i>Acta Ophthalmologica</i> , 2009, 68, 715-720.	1.1	20
87	Physiology of vitreous surgery. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 147-163.	1.9	231
88	Diffusion characteristics of vitreous humour and saline solution follow the Stokes Einstein equation. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 1677-1684.	1.9	82
89	GABA agonists fail to protect the retina from ischemia-reperfusion injury. <i>Experimental Eye Research</i> , 2009, 88, 361-366.	2.6	6
90	Diabetic macular edema. <i>Saudi Journal of Ophthalmology</i> , 2009, 23, 143-148.	0.3	5

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91	Prevention of diabetic retinopathy. Lancet, The, 2009, 373, 1316-1318.	13.7	19
92	Regulation of retinal blood flow in health and disease. Progress in Retinal and Eye Research, 2008, 27, 284-330.	15.5	493
93	Dorzolamide Increases Retinal Oxygen Tension after Branch Retinal Vein Occlusion. , 2008, 49, 1136.		22
94	Topical and systemic absorption in delivery of dexamethasone to the anterior and posterior segments of the eye. Acta Ophthalmologica, 2007, 85, 598-602.	0.3	95
95	Ocular hypotony: what is the mechanism of effusion and oedema?. Acta Ophthalmologica, 2007, 85, 584-585.	0.3	9
96	Ocular Oxygenation and the Treatment of Diabetic Retinopathy. Survey of Ophthalmology, 2006, 51, 364-380.	4.0	239
97	Automatic Retinal Oximetry. , 2006, 47, 5011.		241
98	Visual acuity in a population with regular screening for type 2 diabetes mellitus and eye disease. Acta Ophthalmologica, 2006, 85, 40-45.	0.3	36
99	The Stokes-Einstein equation and the physiological effects of vitreous surgery. Acta Ophthalmologica, 2006, 84, 718-719.	0.3	37
100	Comparison of topical 0.7% dexamethasone-cyclodextrin with 0.1% dexamethasone sodium phosphate for postcataract inflammation. Graefe's Archive for Clinical and Experimental Ophthalmology, 2006, 244, 620-626.	1.9	46
101	Diabetic Retinopathy Screening. Pediatrics, 2006, 117, 586-586.	2.1	3
102	Scientific contributions and citations. Acta Ophthalmologica, 2005, 83, 275-277.	0.3	3
103	Screening compliance and visual outcome in diabetes. Acta Ophthalmologica, 2005, 83, 687-690.	0.3	64
104	Cyclodextrin formulation of dorzolamide and its distribution in the eye after topical administration. Journal of Controlled Release, 2005, 102, 255-262.	9.9	68
105	Optic nerve oxygenation. Progress in Retinal and Eye Research, 2005, 24, 307-332.	15.5	75
106	Carbonic anhydrase inhibition increases retinal oxygen tension and dilates retinal vessels. Graefe's Archive for Clinical and Experimental Ophthalmology, 2005, 243, 163-168.	1.9	54
107	The effects of antiglaucoma and systemic medications on ocular blood flow. Progress in Retinal and Eye Research, 2003, 22, 769-805.	15.5	138
108	Nordic research in ophthalmology. Acta Ophthalmologica, 2003, 81, 556-566.	0.3	4

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109	The impact of ocular blood flow in glaucoma. Progress in Retinal and Eye Research, 2002, 21, 359-393.	15.5	1,458
110	Central corneal thickness, radius of the corneal curvature and intraocular pressure in normal subjects using non-contact techniques: Reykjavik Eye Study. Acta Ophthalmologica, 2002, 80, 11-15.	0.3	158
111	The therapeutic effects of retinal laser treatment and vitrectomy. A theory based on oxygen and vascular physiology. Acta Ophthalmologica, 2001, 79, 435-440.	0.3	249
112	Screening and prevention of diabetic blindness. Acta Ophthalmologica, 2000, 78, 374-385.	0.3	223
113	"With the rule" astigmatism is not the rule in the elderly. Reykjavik Eye Study: A population based study of refraction and visual acuity in citizens of Reykjavik 50 years and older. Acta Ophthalmologica, 2000, 78, 642-646.	0.3	105
114	Age related macular degeneration in monozygotic twins and their spouses in Iceland. Acta Ophthalmologica, 1999, 77, 422-425.	0.3	59
115	Is pseudoexfoliation syndrome inherited? A review of genetic and nongenetic factors and a new observation. Ophthalmic Genetics, 1998, 19, 175-185.	1.2	100
116	Active prevention in diabetic eye disease. Acta Ophthalmologica, 1997, 75, 249-254.	0.3	40
117	The effect of hydroxypropyl methylcellulose on the release of dexamethasone from aqueous 2-hydroxypropyl- β -cyclodextrin formulations. International Journal of Pharmaceutics, 1994, 104, 181-184.	5.2	81
118	Systematic screening for diabetic eye disease in insulin dependent diabetes. Acta Ophthalmologica, 1994, 72, 72-78.	1.1	35
119	Screening for eye disease in type 2 diabetes mellitus. Acta Ophthalmologica, 1994, 72, 341-346.	1.1	32
120	Retinal Vasoconstriction After Laser Treatment for Diabetic Macular Edema. American Journal of Ophthalmology, 1993, 115, 64-67.	3.3	95
121	Effects of retrobulbar bupivacaine on postoperative pain and nausea in retinal detachment surgery. Acta Ophthalmologica, 1993, 71, 544-547.	1.1	15
122	Retinal Oxygenation and Laser Treatment in Patients With Diabetic Retinopathy. American Journal of Ophthalmology, 1992, 113, 36-38.	3.3	142
123	Exudative retinal detachment in familial pulmonary hypertension. Acta Ophthalmologica, 1991, 69, 805-809.	1.1	11
124	Intraocular pressure effects on optic nerve-head oxidative metabolism measured in vivo. Graefe's Archive for Clinical and Experimental Ophthalmology, 1990, 228, 128-133.	1.9	9
125	Oxygen and diabetic eye disease. Graefe's Archive for Clinical and Experimental Ophthalmology, 1990, 228, 120-123.	1.9	59
126	The effect of photocoagulation on the oxygenation and ultrastructure of avascular retina. Experimental Eye Research, 1990, 50, 289-296.	2.6	44

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127	Optic Disk Neovascularization and Retinal Vessel Diameter in Diabetic Retinopathy. American Journal of Ophthalmology, 1988, 106, 131-134.	3.3	45
128	Panretinal Photocoagulation and Retinal Oxygenation in Normal and Diabetic Cats. American Journal of Ophthalmology, 1986, 101, 657-664.	3.3	105
129	In vivo O ₂ consumption in rhesus monkeys in light and dark. Experimental Eye Research, 1983, 37, 251-256.	2.6	68
130	VITRECTOMY, LENSECTOMY, AND OCULAR OXYGENATION. Retina, 1982, 2, 159-166.	1.7	68
131	PANRETINAL PHOTOCOAGULATION AND RETINAL OXYGENATION. Retina, 1982, 2, 167-175.	1.7	74