## Einar StefÄ;nsson

List of Publications by Year in descending order

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131	8,274	44	83
papers	citations	h-index	g-index
137	137	137	5849
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	The impact of ocular blood flow in glaucoma. Progress in Retinal and Eye Research, 2002, 21, 359-393.	15.5	1,458
2	Regulation of retinal blood flow in health and disease. Progress in Retinal and Eye Research, 2008, 27, 284-330.	15.5	493
3	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
4	Automatic Retinal Oximetry. , 2006, 47, 5011.		241
5	Ocular Oxygenation and the Treatment of Diabetic Retinopathy. Survey of Ophthalmology, 2006, 51, 364-380.	4.0	239
6	Physiology of vitreous surgery. Graefe's Archive for Clinical and Experimental Ophthalmology, 2009, 247, 147-163.	1.9	231
7	Screening and prevention of diabetic blindness. Acta Ophthalmologica, 2000, 78, 374-385.	0.3	223
8	Retinal Vessel Oxygen Saturation in Healthy Individuals. , 2012, 53, 5433.		201
9	Retinal oxygen saturation is altered in diabetic retinopathy. British Journal of Ophthalmology, 2012, 96, 560-563.	3.9	193
10	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
11	Retinal Oxygenation and Laser Treatment in Patients With Diabetic Retinopathy. American Journal of Ophthalmology, 1992, 113, 36-38.	3.3	142
12	The effects of antiglaucoma and systemic medications on ocular blood flow. Progress in Retinal and Eye Research, 2003, 22, 769-805.	15.5	138
13	Metabolic physiology in age related macular degeneration. Progress in Retinal and Eye Research, 2011, 30, 72-80.	15.5	135
14	Retinal Oximetry in Primary Open-Angle Glaucoma. , 2011, 52, 6409.		120
15	Panretinal Photocoagulation and Retinal Oxygenation in Normal and Diabetic Cats. American Journal of Ophthalmology, 1986, 101, 657-664.	3.3	105
16	"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
17	Is pseudoexfoliation syndrome inherited? A review of genetic and nongenetic factors and a new observation. Ophthalmic Genetics, 1998, 19, 175-185.	1.2	100
18	Retinal Oximetry Images Must Be Standardized: A Methodological Analysis. , 2012, 53, 1729.		99

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19	Automatic retinal vessel extraction based on directional mathematical morphology and fuzzy classification. Pattern Recognition Letters, 2014, 47, 164-171.	4.2	97
20	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
21	Oxygen Saturation in Central Retinal Vein Occlusion. American Journal of Ophthalmology, 2010, 150, 871-875.	3.3	96
22	Retinal Vasoconstriction After Laser Treatment for Diabetic Macular Edema. American Journal of Ophthalmology, 1993, 115, 64-67.	3.3	95
23	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
24	Cyclodextrin microparticles for drug delivery to the posterior segment of the eye: aqueous dexamethasone eye drops. Journal of Pharmacy and Pharmacology, 2010, 59, 629-635.	2.4	95
25	Oximetry in glaucoma: correlation of metabolic change with structural and functional damage. Acta Ophthalmologica, 2014, 92, 105-110.	1.1	94
26	Topical Dexamethasone-Cyclodextrin Microparticle Eye Drops for Diabetic Macular Edema. , 2011, 52, 7944.		90
27	Retinal oximetry: Metabolic imaging for diseases of the retina and brain. Progress in Retinal and Eye Research, 2019, 70, 1-22.	15.5	89
28	Oxygen Saturation in Human Retinal Vessels Is Higher in Dark Than in Light., 2009, 50, 2308.		82
29	Diffusion characteristics of vitreous humour and saline solution follow the Stokes Einstein equation. Graefe's Archive for Clinical and Experimental Ophthalmology, 2009, 247, 1677-1684.	1.9	82
30	Topical dexamethasone <i>,î³</i> , yclodextrin nanoparticle eye drops increase visual acuity and decrease macular thickness in diabetic macular oedema. Acta Ophthalmologica, 2015, 93, 610-615.	1.1	82
31	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
32	Retinal oxygen metabolism in healthy subjects and glaucoma patients. British Journal of Ophthalmology, 2014, 98, 329-333.	3.9	80
33	Optic nerve oxygenation. Progress in Retinal and Eye Research, 2005, 24, 307-332.	15.5	75
34	PANRETINAL PHOTOCOAGULATION AND RETINAL OXYGENATION. Retina, 1982, 2, 167-175.	1.7	74
35	VITRECTOMY, LENSECTOMY, AND OCULAR OXYGENATION. Retina, 1982, 2, 159-166.	1.7	68
36	In vivo O2 consumption in rhesus monkeys in light and dark. Experimental Eye Research, 1983, 37, 251-256.	2.6	68

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37	Cyclodextrin formulation of dorzolamide and its distribution in the eye after topical administration. Journal of Controlled Release, 2005, 102, 255-262.	9.9	68
38	Cyclodextrin solubilization of carbonic anhydrase inhibitor drugs: Formulation of dorzolamide eye drop microparticle suspension. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 208-214.	4.3	65
39	Retinal oxygen metabolism in exudative ageâ€related macular degeneration. Acta Ophthalmologica, 2014, 92, 27-33.	1.1	65
40	Retinal Oximetry Imaging in Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 49, 79-83.	2.6	65
41	Screening compliance and visual outcome in diabetes. Acta Ophthalmologica, 2005, 83, 687-690.	0.3	64
42	Oxygen saturation in branch retinal vein occlusion. Acta Ophthalmologica, 2012, 90, 466-470.	1.1	63
43	Retinal vessel oxygen saturation and vessel diameter in retinitis pigmentosa. Acta Ophthalmologica, 2014, 92, 449-453.	1.1	62
44	Retinal Oximetry Discovers Novel Biomarkers in Retinal and Brain Diseases., 2017, 58, BIO227.		61
45	Oxygen and diabetic eye disease. Graefe's Archive for Clinical and Experimental Ophthalmology, 1990, 228, 120-123.	1.9	59
46	Age related macular degeneration in monozygotic twins and their spouses in Iceland. Acta Ophthalmologica, 1999, 77, 422-425.	0.3	59
47	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
48	Reliability of vessel diameter measurements with a retinal oximeter. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 1311-1317.	1.9	50
49	Drug delivery to retinal photoreceptors. Drug Discovery Today, 2019, 24, 1637-1643.	6.4	48
50	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
51	Optic Disk Neovascularization and Retinal Vessel Diameter in Diabetic Retinopathy. American Journal of Ophthalmology, 1988, 106, 131-134.	3.3	45
52	Glaucoma Filtration Surgery and Retinal Oxygen Saturation. , 2009, 50, 5247.		45
53	The effect of photocoagulation on the oxygenation and ultrastructure of avascular retina. Experimental Eye Research, 1990, 50, 289-296.	2.6	44
54	Pars plana vitrectomy for diabetic macular edema. Internal limiting membrane delamination vs posterior hyaloid removal. A prospective randomized trial. Graefe's Archive for Clinical and Experimental Ophthalmology, 2011, 249, 997-1008.	1.9	42

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55	Active prevention in diabetic eye disease. Acta Ophthalmologica, 1997, 75, 249-254.	0.3	40
56	Venous oxygen saturation is reduced and variable in central retinal vein occlusion. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 1653-1661.	1.9	39
57	Development of a cyclodextrin-based aqueous cyclosporin A eye drop formulations. International Journal of Pharmaceutics, 2015, 493, 86-95.	5.2	39
58	Topical dexamethasone–cyclodextrin nanoparticle eye drops for nonâ€infectious Uveitic macular oedema and vitritis – a pilot study. Acta Ophthalmologica, 2015, 93, 411-415.	1.1	38
59	The Stokesâ^'Einstein equation and the physiological effects of vitreous surgery. Acta Ophthalmologica, 2006, 84, 718-719.	0.3	37
60	Kinetics of <i>î³</i> êeyclodextrin nanoparticle suspension eye drops in tear fluid. Acta Ophthalmologica, 2014, 92, 550-556.	1.1	37
61	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
62	Systematic screening for diabetic eye disease in insulin dependent diabetes. Acta Ophthalmologica, 1994, 72, 72-78.	1.1	35
63	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
64	Ocular blood flow and oxygen delivery to the retina in primary openâ€angle glaucoma patients: the addition of dorzolamide to timolol monotherapy. Acta Ophthalmologica, 2010, 88, 142-149.	1.1	33
65	Screening for eye disease in type 2 diabetes mellitus. Acta Ophthalmologica, 1994, 72, 341-346.	1.1	32
66	Retinal oximetry in central retinal artery occlusion. Acta Ophthalmologica, 2013, 91, 189-190.	1.1	32
67	Effect of $\hat{I}^3$ -cyclodextrin on solubilization and complexation of irbesartan: Influence of pH and excipients. International Journal of Pharmaceutics, 2014, 474, 80-90.	5.2	29
68	Retinal Vessel Oxygen Saturation during 100% Oxygen Breathing in Healthy Individuals. PLoS ONE, 2015, 10, e0128780.	2.5	28
69	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
70	Formulations and toxicologic in vivo studies of aqueous cyclosporin A eye drops with cyclodextrin nanoparticles. International Journal of Pharmaceutics, 2017, 529, 486-490.	5.2	26
71	Retinal Oximetry With a Scanning Laser Ophthalmoscope. , 2014, 55, 3120.		25
72	Development of eye drops containing antihypertensive drugs: formulation of aqueous irbesartan/Î <sup>3</sup> CD eye drops. Pharmaceutical Development and Technology, 2015, 20, 626-632.	2.4	25

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73	$\hat{l}^3$ -Cyclodextrin Nanoparticle Eye Drops with Dorzolamide: Effect on Intraocular Pressure in Man. Journal of Ocular Pharmacology and Therapeutics, 2014, 30, 35-41.	1.4	24
74	Fatty acids from marine lipids: Biological activity, formulation and stability. Journal of Drug Delivery Science and Technology, 2016, 34, 71-75.	3.0	24
75	Early detection of type 2 diabetes mellitus and screening for retinopathy are associated with reduced prevalence and severity of retinopathy. Acta Ophthalmologica, 2016, 94, 232-239.	1.1	23
76	Dorzolamide Increases Retinal Oxygen Tension after Branch Retinal Vein Occlusion., 2008, 49, 1136.		22
77	Retinal oxygen consumption in vitro the effect of diabetes mellitus, oxygen and glucose. Acta Ophthalmologica, 2009, 68, 715-720.	1.1	20
78	Prevention of diabetic retinopathy. Lancet, The, 2009, 373, 1316-1318.	13.7	19
79	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
80	Aqueous eye drops containing drug/cyclodextrin nanoparticles deliver therapeutic drug concentrations to both anterior and posterior segment. Acta Ophthalmologica, 2021, , .	1.1	19
81	Retinal oximetry measures systemic hypoxia in central nervous system vessels in chronic obstructive pulmonary disease. PLoS ONE, 2017, 12, e0174026.	2.5	19
82	Choroidal Oximetry With a Noninvasive Spectrophotometric Oximeter., 2013, 54, 3234.		17
83	Retinal Oximetry with Scanning Laser Ophthalmoscope in Infants. PLoS ONE, 2016, 11, e0148077.	2.5	16
84	Effects of retrobulbar bupivacaine on postâ€operative pain and nausea in retinal detachment surgery. Acta Ophthalmologica, 1993, 71, 544-547.	1.1	15
85	Physicochemical and Stability Evaluation of Topical Niosomal Encapsulating Fosinopril/ $\hat{I}^3$ -Cyclodextrin Complex for Ocular Delivery. Pharmaceutics, 2022, 14, 1147.	4.5	14
86	Validation of a model for the prediction of retinopathy in persons with type 1 diabetes. British Journal of Ophthalmology, 2021, 105, 1286-1288.	3.9	13
87	Angiotensin Receptor Blockers in cyclodextrin nanoparticle eye drops: Ocular pharmacokinetics and pharmacologic effect on intraocular pressure. Acta Ophthalmologica, 2021, 99, 376-382.	1.1	13
88	Automatic fundus image quality assessment on a continuous scale. Computers in Biology and Medicine, 2021, 129, 104114.	7.0	13
89	Cyclodextrin-based formulation of carbonic anhydrase inhibitors for ocular delivery – A review. International Journal of Pharmaceutics, 2021, 606, 120955.	5.2	12
90	Exudative retinal detachment in familial pulmonary hypertension. Acta Ophthalmologica, 1991, 69, 805-809.	1.1	11

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91	Spectrophotometric Retinal Oximetry in Pigs. , 2013, 54, 2746.		11
92	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
93	Dorzolamide Cyclodextrin Nanoparticle Suspension Eye Drops and Trusopt in Rabbit. Journal of Ocular Pharmacology and Therapeutics, 2014, 30, 464-467.	1.4	10
94	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
95	Ocular hypotony: what is the mechanism of effusion and oedema?. Acta Ophthalmologica, 2007, 85, 584-585.	0.3	9
96	Retinal metabolic and structural alterations in response to aflibercept treatment in neovascular ageâ€related macular degeneration. Acta Ophthalmologica, 2019, 97, 525-531.	1.1	9
97	Can postoperative dexamethasone nanoparticle eye drops replace mitomycin C in trabeculectomy?. Acta Ophthalmologica, 2020, 98, 607-612.	1.1	8
98	Effect of immunosuppressive therapy on oxygen saturation and diameter of retinal vessels in initial onset acute uveitis associated with Vogtâ€Koyanagiâ€Harada disease. Acta Ophthalmologica, 2021, 99, 75-82.	1.1	8
99	Bio-Distribution and Pharmacokinetics of Topically Administered $\hat{I}^3$ -Cyclodextrin Based Eye Drops in Rabbits. Pharmaceuticals, 2021, 14, 480.	3.8	8
100	Retinal oxygen saturation changes progressively over time in diabetic retinopathy. PLoS ONE, 2021, $16$ , e0251607.	2.5	8
101	Topical treatment of diabetic macular edema using dexamethasone ophthalmic suspension: A randomized, doubleâ€masked, vehicleâ€controlled study. Acta Ophthalmologica, 2023, 101, 22-33.	1.1	8
102	Fundus imaging in newborn children with wideâ€field scanning laser ophthalmoscope. Acta Ophthalmologica, 2017, 95, 842-844.	1.1	7
103	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
104	GABA agonists fail to protect the retina from ischemia–reperfusion injury. Experimental Eye Research, 2009, 88, 361-366.	2.6	6
105	Diabetic macular edema. Saudi Journal of Ophthalmology, 2009, 23, 143-148.	0.3	5
106	Risk of retinal neovascularization in the second eye in patients with proliferative diabetic retinopathy. Acta Ophthalmologica, 2010, 88, 449-452.	1,1	5
107	Clinical Trial: Marine Lipid Suppositories as Laxatives. Marine Drugs, 2012, 10, 2047-2054.	4.6	5
108	Venous oxygen saturation is reduced and variable in central retinal vein occlusion. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 1409-1409.	1.9	5

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109	Treatment of nonâ€infectious ophthalmic inflammatory diseases with 1.5% dexamethasone γ â€cyclodextrin nanoparticle eye drops. Acta Ophthalmologica, 2019, 97, 824-827.	1.1	5
110	Topical noninvasive retinal drug delivery of a tyrosine kinase inhibitor: 3% cediranib maleate cyclodextrin nanoparticle eye drops in the rabbit eye. Acta Ophthalmologica, 2022, 100, 788-796.	1.1	5
111	Nordic research in ophthalmology. Acta Ophthalmologica, 2003, 81, 556-566.	0.3	4
112	Handheld Retinal Oximetry in Healthy Young Adults. Translational Vision Science and Technology, 2018, 7, 19.	2.2	4
113	Nonâ€invasive structural and metabolic retinal markers of disease activity in nonâ€proliferative diabetic retinopathy. Acta Ophthalmologica, 2021, 99, 790-796.	1.1	4
114	Scientific contributions and citations. Acta Ophthalmologica, 2005, 83, 275-277.	0.3	3
115	Diabetic Retinopathy Screening. Pediatrics, 2006, 117, 586-586.	2.1	3
116	Clinical trial: free fatty acid suppositories compared with enema as bowel preparation for flexible sigmoidoscopy. Frontline Gastroenterology, 2015, 6, 278-283.	1.8	3
117	RETINAL OXIMETRY IS ALTERED IN EYES WITH CHOROIDAL MELANOMA BUT NOT IN EYES WITH CHOROIDAL NEVI. Retina, 2020, 40, 2207-2215.	1.7	3
118	Automation improves repeatability of retinal oximetry measurements. PLoS ONE, 2021, 16, e0260120.	2.5	3
119	Sullo Marine Lipid Suppositories for Constipation in Children. Gastroenterology, 2013, 144, S-398-S-399.	1.3	2
120	IV.A. Vitreous Physiology. , 2014, , 437-457.		2
121	Why does vitreoretinal traction create macular oedema?. Acta Ophthalmologica, 2018, 96, e533-e534.	1.1	2
122	Angiotensin converting enzyme inhibitors/cyclodextrin inclusion complexes: solution and solid-state characterizations and their thermal stability. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2022, 102, 347-358.	1.6	2
123	Is metabolic imaging a new tool to monitor progression in retinal degenerations and atrophy?. Acta Ophthalmologica, 2015, 93, e437-8.	1.1	1
124	Retinal oximetry with a prototype handheld oximeter during hyperoxia. Acta Ophthalmologica, 2021, 99, e1390-e1395.	1.1	1
125	Changes in ocular blood flow and retinal oxygen metabolism during immunosuppressive therapy for initialâ€onset acute uveitis associated with <scp>Vogt–Koyanagi–Harada</scp> disease. Acta Ophthalmologica, 2022, , .	1.1	1
126	P2-128: RETINAL OXYGEN METABOLISM IN ALZHEIMER'S DISEASE. , 2014, 10, P518-P518.		0

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127	The most successful year in the history of Acta Ophthalmologica. Acta Ophthalmologica, 2021, 99, 117-117.	1.1	O
128	Successful years of collaboration between Acta Ophthalmologica and the European Association for Vision and Eye Research. Acta Ophthalmologica, 2021, 99, 239-239.	1.1	0
129	The state of your journal Acta Ophthalmologica 2020. Acta Ophthalmologica, 2021, 99, 467-469.	1.1	O
130	Effect of Soluplus $\langle \sup \rangle \hat{A}^{\otimes} \langle   \sup \rangle$ on $\hat{I}^3$ -cyclodextrin solubilization of irbesartan and candesartan and their nanoaggregates formation. Pharmaceutical Development and Technology, 2022, 27, 9-18.	2.4	0
131	Acta Ophthalmologica 2021. Acta Ophthalmologica, 2022, 100, 483-485.	1.1	0