

Carol B Toris

List of Publications by Year in descending order

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102
papers

4,653
citations

126907

33
h-index

110387

64
g-index

126
all docs

126
docs citations

126
times ranked

2226
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of PhXA41, A New Prostaglandin F ₂ ± Analog, on Aqueous Humor Dynamics in Human Eyes. <i>Ophthalmology</i> , 1993, 100, 1297-1304.	5.2	382
2	Aqueous humor dynamics in the aging human eye. <i>American Journal of Ophthalmology</i> , 1999, 127, 407-412.	3.3	306
3	Effects of Brimonidine on Aqueous Humor Dynamics in Human Eyes. <i>JAMA Ophthalmology</i> , 1995, 113, 1514.	2.4	288
4	Update on the Mechanism of Action of Topical Prostaglandins for Intraocular Pressure Reduction. <i>Survey of Ophthalmology</i> , 2008, 53, S107-S120.	4.0	260
5	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. <i>Experimental Eye Research</i> , 2018, 171, 164-173.	2.6	221
6	Effects of Prostaglandins on the Aqueous Humor Outflow Pathways. <i>Survey of Ophthalmology</i> , 2002, 47, S53-S64.	4.0	213
7	Acute versus chronic effects of brimonidine on aqueous humor dynamics in ocular hypertensive patients. <i>American Journal of Ophthalmology</i> , 1999, 128, 8-14.	3.3	153
8	Mechanism of Action of Bimatoprost, Latanoprost, and Travoprost in Healthy Subjects. <i>Ophthalmology</i> , 2008, 115, 790-795.e4.	5.2	148
9	Effects of Apraclonidine on Aqueous Humor Dynamics in Human Eyes. <i>Ophthalmology</i> , 1995, 102, 456-461.	5.2	117
10	Bimatoprost and Travoprost. <i>Survey of Ophthalmology</i> , 2002, 47, S105-S115.	4.0	110
11	Effects of exogenous prostaglandins on aqueous humor dynamics and blood-aqueous barrier function. <i>Survey of Ophthalmology</i> , 1997, 41, S69-S75.	4.0	109
12	Ocular hypotensive activity of BOL-303259-X, a nitric oxide donating Prostaglandin F ₂ ± agonist, in preclinical models. <i>Experimental Eye Research</i> , 2011, 93, 250-255.	2.6	103
13	The Prostanoid EP2Receptor Agonist Butaprost Increases Uveoscleral Outflow in the Cynomolgus Monkey. , 2006, 47, 4042.		89
14	Aqueous Humor Dynamics in Ocular Hypertensive Patients. <i>Journal of Glaucoma</i> , 2002, 11, 253-258.	1.6	88
15	Effects of a Novel Selective EP2 Receptor Agonist, Omidenepag Isopropyl, on Aqueous Humor Dynamics in Laser-Induced Ocular Hypertensive Monkeys. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2018, 34, 531-537.	1.4	72
16	A Novel Schlemm's Canal Scaffold Increases Outflow Facility in a Human Anterior Segment Perfusion Model. , 2012, 53, 6115.		68
17	Potential mechanism for the additivity of pilocarpine and latanoprost. <i>American Journal of Ophthalmology</i> , 2001, 131, 722-728.	3.3	64
18	A Novel Nitric Oxide Releasing Prostaglandin Analog, NCX 125, Reduces Intraocular Pressure in Rabbit, Dog, and Primate Models of Glaucoma. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2010, 26, 125-132.	1.4	64

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19	Prostaglandin A2 increases uveoscleral outflow and trabecular outflow facility in the cat. <i>Experimental Eye Research</i> , 1995, 61, 649-657.	2.6	63
20	Effects of Travoprost on Aqueous Humor Dynamics in Patients With Elevated Intraocular Pressure. <i>Journal of Glaucoma</i> , 2007, 16, 189-195.	1.6	59
21	Detection of the free acid of bimatoprost in aqueous humor samples from human eyes treated with bimatoprost before cataract surgery. <i>Ophthalmology</i> , 2004, 111, 2193-2198.	5.2	52
22	PRDX6 attenuates oxidative stress- and TGF β -induced abnormalities of human trabecular meshwork cells. <i>Free Radical Research</i> , 2009, 43, 783-795.	3.3	52
23	Aqueous Humor Dynamics in Monkeys with Laser-Induced Glaucoma. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2000, 16, 19-27.	1.4	51
24	Effect of PF-04217329 a prodrug of a selective prostaglandin EP2 agonist on intraocular pressure in preclinical models of glaucoma. <i>Experimental Eye Research</i> , 2011, 93, 256-264.	2.6	51
25	A Novel 8-mm Schlemm's Canal Scaffold Reduces Outflow Resistance in a Human Anterior Segment Perfusion Model. , 2013, 54, 1698.		49
26	Efficacy and Adverse Effects of Medications Used in the Treatment of Glaucoma. <i>Drugs and Aging</i> , 1999, 15, 377-388.	2.7	46
27	Rebound Tonometry in Conscious, Conditioned Mice Avoids the Acute and Profound Effects of Anesthesia on Intraocular Pressure. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2008, 24, 175-185.	1.4	46
28	Diurnal and Nocturnal Variations in Aqueous Humor Dynamics of Patients With Ocular Hypertension Undergoing Medical Therapy. <i>JAMA Ophthalmology</i> , 2012, 130, 677-84.	2.4	44
29	The future of canine glaucoma therapy. <i>Veterinary Ophthalmology</i> , 2019, 22, 726-740.	1.0	44
30	Aqueous Humor Dynamics in Exfoliation Syndrome. <i>JAMA Ophthalmology</i> , 2008, 126, 914.	2.4	42
31	Morphology of ganglion cells in the neonatal tiger salamander retina. <i>Journal of Comparative Neurology</i> , 1995, 352, 535-559.	1.6	41
32	Increase in Outflow Facility With Unoprostone Treatment in Ocular Hypertensive Patients. <i>JAMA Ophthalmology</i> , 2004, 122, 1782.	2.4	41
33	Effects of Travoprost on Aqueous Humor Dynamics in Monkeys. <i>Journal of Glaucoma</i> , 2005, 14, 70-73.	1.6	41
34	Morphological and hydrodynamic correlates in monkey eyes with laser induced glaucoma. <i>Experimental Eye Research</i> , 2009, 89, 748-756.	2.6	41
35	Aqueous Humor Dynamics During the Day and Night in Healthy Mature Volunteers. <i>JAMA Ophthalmology</i> , 2011, 129, 269.	2.4	41
36	Mechanism of Action of Selective Laser Trabeculoplasty and Predictors of Response. , 2017, 58, 1462.		41

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37	Prostanoid EP ₄ Receptor Stimulation Produces Ocular Hypotension by a Mechanism That Does Not Appear to Involve Uveoscleral Outflow. , 2009, 50, 3320.		37
38	Cabergoline: Pharmacology, ocular hypotensive studies in multiple species, and aqueous humor dynamic modulation in the Cynomolgus monkey eyes. Experimental Eye Research, 2009, 88, 386-397.	2.6	36
39	Improvement in Outflow Facility by Two Novel Microinvasive Glaucoma Surgery Implants. , 2014, 55, 1893.		35
40	Duration of Anesthesia Affects Intraocular Pressure, But Not Outflow Facility in Mice. Current Eye Research, 2010, 35, 819-827.	1.5	34
41	Intraocular Pressureâ€“Lowering Activity of NCX 470, a Novel Nitric Oxideâ€“Donating Bimatoprost in Preclinical Models. , 2015, 56, 6558.		33
42	Uveoscleral outflow using different-sized fluorescent tracers in normal and inflamed eyes. Experimental Eye Research, 1987, 45, 525-532.	2.6	32
43	Effects of a Schlemm canal scaffold on collector channel ostia in human anterior segments. Experimental Eye Research, 2014, 119, 70-76.	2.6	32
44	Effects of Sex Hormones on Ocular Blood Flow and Intraocular Pressure in Primary Open-angle Glaucoma: A Review. Journal of Glaucoma, 2018, 27, 1037-1041.	1.6	30
45	Effects of Marijuana on Aqueous Humor Dynamics in a Glaucoma Patient. Journal of Glaucoma, 2005, 14, 175-177.	1.6	29
46	Latanoprost and Cholinergic Agonists in Combination. Survey of Ophthalmology, 2002, 47, S141-S147.	4.0	28
47	A Novel Schlemmâ€™s Canal Scaffold. Journal of Glaucoma, 2015, 24, 460-468.	1.6	28
48	Bunazosin Reduces Intraocular Pressure in Rabbits by Increasing Uveoscleral Outflow. Journal of Ocular Pharmacology and Therapeutics, 1998, 14, 217-228.	1.4	27
49	Effects of Multiple Dosing of Epinephrine on Aqueous Humor Dynamics in Human Eyes. Journal of Ocular Pharmacology and Therapeutics, 2002, 18, 53-63.	1.4	27
50	Effects on Aqueous Flow of Dorzolamide Combined with Either Timolol or Acetazolamide. Journal of Glaucoma, 2004, 13, 210-215.	1.6	26
51	Aqueous Humor Dynamics during the Day and Night in Juvenile and Adult Rabbits. , 2010, 51, 3145.		25
52	The exit strategy: Pharmacological modulation of extracellular matrix production and deposition for better aqueous humor drainage. European Journal of Pharmacology, 2016, 787, 32-42.	3.5	24
53	Effects of Topical Epinephrine on Aqueous Humor Dynamics in the Cat. Experimental Eye Research, 1999, 68, 439-445.	2.6	23
54	Effects of Central Corneal Thickness on the Efficacy of Topical Ocular Hypotensive Medications. Journal of Glaucoma, 2008, 17, 89-99.	1.6	23

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55	Effects of Brinzolamide on Aqueous Humor Dynamics in Monkeys and Rabbits. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2003, 19, 397-404.	1.4	22
56	FR190997, a Nonpeptide Bradykinin B_2 -Receptor Partial Agonist, is a Potent and Efficacious Intraocular Pressure Lowering Agent in Ocular Hypertensive Cynomolgus Monkeys. <i>Drug Development Research</i> , 2014, 75, 211-223.	2.9	20
57	Effects of Rho Kinase Inhibitors on Intraocular Pressure and Aqueous Humor Dynamics in Nonhuman Primates and Rabbits. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 355-364.	1.4	20
58	Comparison of Aqueous Outflow Facility Measurement by Pneumatography and Digital Schiötz Tonography. , 2017, 58, 204.		20
59	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.		20
60	Aqueous Humor Dynamics During the Day and Night in Volunteers With Ocular Hypertension. <i>JAMA Ophthalmology</i> , 2011, 129, 1162.	2.4	19
61	Effects of a Prostaglandin DP Receptor Agonist, AL-6598, on Aqueous Humor Dynamics in a Nonhuman Primate Model of Glaucoma. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2006, 22, 86-92.	1.4	18
62	Daytime and Nighttime Effects of Brimonidine on IOP and Aqueous Humor Dynamics in Participants With Ocular Hypertension. <i>Journal of Glaucoma</i> , 2014, 23, 276-281.	1.6	16
63	Effect of Timolol on Aqueous Humor Outflow Facility in Healthy Human Eyes. <i>American Journal of Ophthalmology</i> , 2019, 202, 126-132.	3.3	16
64	Efficacy and Mechanisms of Intraocular Pressure Reduction With Latanoprost and Timolol in Participants With Ocular Hypertension: A Comparison of 1 and 6 Weeks of Treatment. <i>Journal of Glaucoma</i> , 2010, 19, 356-364.	1.6	15
65	Continuous Non-Cell Autonomous Reprogramming to Generate Retinal Ganglion Cells for Glaucomatous Neuropathy. <i>Stem Cells</i> , 2015, 33, 1743-1758.	3.2	15
66	Aqueous Flow Measured by Fluorophotometry in the Mouse. , 2016, 57, 3844.		14
67	Acute effects of insulin on aqueous humor flow in patients with type 1 diabetes. <i>American Journal of Ophthalmology</i> , 2001, 132, 321-327.	3.3	13
68	Time dependent effects of sympathetic denervation on aqueous humor dynamics and choroidal blood flow in rabbits. <i>Current Eye Research</i> , 2002, 25, 99-105.	1.5	13
69	Chapter 7 Aqueous Humor Dynamics I. <i>Current Topics in Membranes</i> , 2008, 62, 193-229.	0.9	13
70	Current status of unoprostone for the management of glaucoma and the future of its use in the treatment of retinal disease. <i>Expert Opinion on Pharmacotherapy</i> , 2013, 14, 105-113.	1.8	11
71	Current methods and new approaches to assess aqueous humor dynamics. <i>Expert Review of Ophthalmology</i> , 2021, 16, 139-160.	0.6	11
72	Prostanoid Receptor Antagonist Effects on Intraocular Pressure, Supported by Ocular Biodisposition Experiments. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 606-622.	1.4	10

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73	Antiglaucoma EP ₂ Agonists: A Long Road That Led Somewhere. Journal of Ocular Pharmacology and Therapeutics, 2019, 35, 469-474.	1.4	10
74	Aqueous humor dynamics in inbred rhesus monkeys with naturally occurring ocular hypertension. Experimental Eye Research, 2010, 91, 860-865.	2.6	9
75	The biology, pathology and therapeutic use of prostaglandins in the eye. Clinical Lipidology, 2011, 6, 577-591.	0.4	9
76	A Highly Effective and Ultra-Long-Acting Anti-Glaucoma Drug, with a Novel Periorbital Delivery Method. Journal of Ocular Pharmacology and Therapeutics, 2019, 35, 265-277.	1.4	9
77	Making Basic Science Studies in Glaucoma More Clinically Relevant: The Need for a Consensus. Journal of Ocular Pharmacology and Therapeutics, 2017, 33, 501-518.	1.4	8
78	Outflow Facility Effects of 3 Schlemm's Canal Microinvasive Glaucoma Surgery Devices. Ophthalmology Glaucoma, 2020, 3, 114-121.	1.9	8
79	Aqueous flow in galactose-fed dogs. Experimental Eye Research, 2006, 83, 865-870.	2.6	7
80	Aqueous Humor Dynamics in Pigment Dispersion Syndrome. JAMA Ophthalmology, 2010, 128, 1115.	2.4	7
81	Correlations between Parameters of Aqueous Humor Dynamics and the Influence of Central Corneal Thickness. , 2011, 52, 920.		7
82	Aqueous humour dynamics and biometrics in the ageing Chinese eye. British Journal of Ophthalmology, 2017, 101, 1290-1296.	3.9	7
83	NCX 667, a Novel Nitric Oxide Donor, Lowers Intraocular Pressure in Rabbits, Dogs, and Non-Human Primates and Enhances TGF β 2-Induced Outflow in HTM/HSC Constructs. , 2021, 62, 17.		7
84	Consequences of Puberty on Efficacy of Intraocular Pressure-Lowering Drugs in Male Dutch-Belted Rabbits. Journal of Ocular Pharmacology and Therapeutics, 2018, 34, 76-84.	1.4	6
85	Accommodative Exercises to Lower Intraocular Pressure. Journal of Ophthalmology, 2020, 2020, 1-7.	1.3	6
86	An Experimental Steroid Responsive Model of Ocular Inflammation in Rabbits Using an SLT Frequency Doubled Q Switched Nd:YAG Laser. Journal of Ocular Pharmacology and Therapeutics, 2013, 29, 663-669.	1.4	5
87	Differences in ocular biometrics and aqueous humour dynamics between Chinese and Caucasian adults. British Journal of Ophthalmology, 2019, 103, bjophthalmol-2018-313132.	3.9	4
88	Predictors of Intraocular Pressure Lowering after Phacoemulsification and iStent Implantation. Ophthalmology Glaucoma, 2021, 4, 139-148.	1.9	4
89	Chapter 8 Aqueous Humor Dynamics II. Current Topics in Membranes, 2008, , 231-272.	0.9	3
90	Aqueous Humor Dynamics and Intraocular Pressure Elevation. , 2015, , 47-56.		3

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91	A Schlemm's canal scaffold for the treatment of elevated IOP. Expert Review of Ophthalmology, 2016, 11, 259-266.	0.6	3
92	Shotgun Sphingolipid Analysis of Human Aqueous Humor. Methods in Molecular Biology, 2018, 1695, 97-107.	0.9	3
93	Quantitative Proteomic Analysis of Human Aqueous Humor Using iTRAQ 4plex Labeling. Methods in Molecular Biology, 2018, 1695, 89-95.	0.9	3
94	Changes in Parameters of Aqueous Humor Dynamics Throughout Life. Modeling and Simulation in Science, Engineering and Technology, 2019, , 161-190.	0.6	3
95	Unoprostone Isopropyl Ester Darkens Iris Color in Pigmented Rabbits with Sympathetic Denervation. Journal of Glaucoma, 2003, 12, 383-389.	1.6	2
96	The Effects of Topical Timolol and Latanoprost on Calculated Ocular Perfusion Pressure in Nonglaucomatous Volunteers. Journal of Ocular Pharmacology and Therapeutics, 2021, 37, 565-574.	1.4	2
97	Morphological changes to Schlemm's canal and the distal aqueous outflow pathway in monkey eyes with laser-induced ocular hypertension. Experimental Eye Research, 2022, 219, 109030.	2.6	2
98	Reflections on the life and career of Carl Camras. Experimental Eye Research, 2011, 93, 239-242.	2.6	0
99	Brimonidine α - β , 2018, , .		0
100	Response. Journal of Glaucoma, 2019, 28, e66-e67.	1.6	0
101	NCX 1741, a Novel Nitric Oxide-Donating Phosphodiesterase-5 Inhibitor, Exerts Rapid and Long-Lasting Intraocular Pressure-Lowering in Cynomolgus Monkeys. Journal of Ocular Pharmacology and Therapeutics, 2021, 37, 215-222.	1.4	0
102	Aqueous humor dynamics. Basic and Clinical Ophthalmology, 2007, , 13-27.	0.1	0