Carol B Toris

List of Publications by Year
in descending order

102 papers	4,653 citations	126708 33 h-index	110170 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 F2Î± Analog, on Aqueous Humor Dynamics in Human Eyes. Ophthalmology, 1993, 100, 1297-1304.	2.5	382
2	Aqueous humor dynamics in the aging human eye. American Journal of Ophthalmology, 1999, 127, 407-412.	1.7	306
3	Effects of Brimonidine on Aqueous Humor Dynamics in Human Eyes. JAMA Ophthalmology, 1995, 113, 1514.	2.6	288
4	Update on the Mechanism of Action of Topical Prostaglandins for Intraocular Pressure Reduction. Survey of Ophthalmology, 2008, 53, S107-S120.	1.7	260
5	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. Experimental Eye Research, 2018, 171, 164-173.	1.2	221
6	Effects of Prostaglandins on the Aqueous Humor Outflow Pathways. Survey of Ophthalmology, 2002, 47, S53-S64.	1.7	213
7	Acute versus chronic effects of brimonidine on aqueous humor dynamics in ocular hypertensive patients. American Journal of Ophthalmology, 1999, 128, 8-14.	1.7	153
8	Mechanism of Action of Bimatoprost, Latanoprost, and Travoprost in Healthy Subjects. Ophthalmology, 2008, 115, 790-795.e4.	2.5	148
9	Effects of Apraclonidine on Aqueous Humor Dynamics in Human Eyes. Ophthalmology, 1995, 102, 456-461.	2.5	117
10	Bimatoprost and Travoprost. Survey of Ophthalmology, 2002, 47, S105-S115.	1.7	110
11	Effects of exogenous prostaglandins on aqueous humor dynamics and blood-aqueous barrier function. Survey of Ophthalmology, 1997, 41, S69-S75.	1.7	109
12	Ocular hypotensive activity of BOL-303259-X, a nitric oxide donating Prostaglandin F2Î± agonist, in preclinical models. Experimental Eye Research, 2011, 93, 250-255.	1.2	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. Journal of Glaucoma, 2002, 11, 253-258.	0.8	88
15	Effects of a Novel Selective EP2 Receptor Agonist, Omidenepag Isopropyl, on Aqueous Humor Dynamics in Laser-Induced Ocular Hypertensive Monkeys. Journal of Ocular Pharmacology and Therapeutics, 2018, 34, 531-537.	0.6	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. American Journal of Ophthalmology, 2001, 131, 722-728.	1.7	64
18	A Novel Nitric Oxide Releasing Prostaglandin Analog, NCX 125, Reduces Intraocular Pressure in Rabbit, Dog, and Primate Models of Glaucoma. Journal of Ocular Pharmacology and Therapeutics, 2010, 26, 125-132.	0.6	64

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19	Prostaglandin A2 increases uveoscleral outflow and trabecular outflow facility in the cat. Experimental Eye Research, 1995, 61, 649-657.	1.2	63
20	Effects of Travoprost on Aqueous Humor Dynamics in Patients With Elevated Intraocular Pressure. Journal of Glaucoma, 2007, 16, 189-195.	0.8	59
21	Detection of the free acid of bimatoprost in aqueous humor samples from human eyes treated with bimatoprost before cataract surgery. Ophthalmology, 2004, 111, 2193-2198.	2.5	52
22	PRDX6 attenuates oxidative stress- and TGFÎ²-induced abnormalities of human trabecular meshwork cells. Free Radical Research, 2009, 43, 783-795.	1.5	52
23	Aqueous Humor Dynamics in Monkeys with Laser-Induced Glaucoma. Journal of Ocular Pharmacology and Therapeutics, 2000, 16, 19-27.	0.6	51
24	Effect of PF-04217329 a prodrug of a selective prostaglandin EP2 agonist on intraocular pressure in preclinical models of glaucoma. Experimental Eye Research, 2011, 93, 256-264.	1.2	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. Drugs and Aging, 1999, 15, 377-388.	1.3	46
27	Rebound Tonometry in Conscious, Conditioned Mice Avoids the Acute and Profound Effects of Anesthesia on Intraocular Pressure. Journal of Ocular Pharmacology and Therapeutics, 2008, 24, 175-185.	0.6	46
28	Diurnal and Nocturnal Variations in Aqueous Humor Dynamics of Patients With Ocular Hypertension Undergoing Medical Therapy. JAMA Ophthalmology, 2012, 130, 677-84.	2.6	44
29	The future of canine glaucoma therapy. Veterinary Ophthalmology, 2019, 22, 726-740.	0.6	44
30	Aqueous Humor Dynamics in Exfoliation Syndrome. JAMA Ophthalmology, 2008, 126, 914.	2.6	42
31	Morphology of ganglion cells in the neotenous tiger salamander retina. Journal of Comparative Neurology, 1995, 352, 535-559.	0.9	41
32	Increase in Outflow Facility With Unoprostone Treatment in Ocular HypertensivePatients. JAMA Ophthalmology, 2004, 122, 1782.	2.6	41
33	Effects of Travoprost on Aqueous Humor Dynamics in Monkeys. Journal of Glaucoma, 2005, 14, 70-73.	0.8	41
34	Morphological and hydrodynamic correlates in monkey eyes with laser induced glaucoma. Experimental Eye Research, 2009, 89, 748-756.	1.2	41
35	Aqueous Humor Dynamics During the Day and Night in Healthy Mature Volunteers. JAMA Ophthalmology, 2011, 129, 269.	2.6	41
36	Mechanism of Action of Selective Laser Trabeculoplasty and Predictors of Response. , 2017, 58, 1462.		41

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37	Prostanoid EP₄Receptor 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.	1.2	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.	0.7	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.	1.2	32
43	Effects of a Schlemm canal scaffold on collector channel ostia in human anterior segments. Experimental Eye Research, 2014, 119, 70-76.	1.2	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.	0.8	30
45	Effects of Marijuana on Aqueous Humor Dynamics in a Glaucoma Patient. Journal of Glaucoma, 2005, 14, 175-177.	0.8	29
46	Latanoprost and Cholinergic Agonists in Combination. Survey of Ophthalmology, 2002, 47, S141-S147.	1.7	28
47	A Novel Schlemmâ€™s Canal Scaffold. Journal of Glaucoma, 2015, 24, 460-468.	0.8	28
48	Bunazosin Reduces Intraocular Pressure in Rabbits by Increasing Uveoscleral Outflow. Journal of Ocular Pharmacology and Therapeutics, 1998, 14, 217-228.	0.6	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.	0.6	27
50	Effects on Aqueous Flow of Dorzolamide Combined with Either Timolol or Acetazolamide. Journal of Glaucoma, 2004, 13, 210-215.	0.8	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.	1.7	24
53	Effects of Topical Epinephrine on Aqueous Humor Dynamics in the Cat. Experimental Eye Research, 1999, 68, 439-445.	1.2	23
54	Effects of Central Corneal Thickness on the Efficacy of Topical Ocular Hypotensive Medications. Journal of Glaucoma, 2008, 17, 89-99.	0.8	23

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55	Effects of Brinzolamide on Aqueous Humor Dynamics in Monkeys and Rabbits. Journal of Ocular Pharmacology and Therapeutics, 2003, 19, 397-404.	0.6	22
56	<scp>FR</scp>â€190997, a Nonpeptide Bradykinin <scp>B</scp>₂â€Receptor Partial Agonist, is a Potent and Efficacious Intraocular Pressure Lowering Agent in Ocular Hypertensive Cynomolgus Monkeys. Drug Development Research, 2014, 75, 211-223.	1.4	20
57	Effects of Rho Kinase Inhibitors on Intraocular Pressure and Aqueous Humor Dynamics in Nonhuman Primates and Rabbits. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 355-364.	0.6	20
58	Comparison of Aqueous Outflow Facility Measurement by Pneumatonography and Digital SchiÃ¸tz 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. JAMA Ophthalmology, 2011, 129, 1162.	2.6	19
61	Effects of a Prostaglandin DP Receptor Agonist, AL-6598, on Aqueous Humor Dynamics in a Nonhuman Primate Model of Glaucoma. Journal of Ocular Pharmacology and Therapeutics, 2006, 22, 86-92.	0.6	18
62	Daytime and Nighttime Effects of Brimonidine on IOP and Aqueous Humor Dynamics in Participants With Ocular Hypertension. Journal of Glaucoma, 2014, 23, 276-281.	0.8	16
63	Effect of Timolol on Aqueous Humor Outflow Facility in Healthy Human Eyes. American Journal of Ophthalmology, 2019, 202, 126-132.	1.7	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. Journal of Glaucoma, 2010, 19, 356-364.	0.8	15
65	Continuous Non-Cell Autonomous Reprogramming to Generate Retinal Ganglion Cells for Glaucomatous Neuropathy. Stem Cells, 2015, 33, 1743-1758.	1.4	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. American Journal of Ophthalmology, 2001, 132, 321-327.	1.7	13
68	Time dependent effects of sympathetic denervation on aqueous humor dynamics and choroidal blood flow in rabbits. Current Eye Research, 2002, 25, 99-105.	0.7	13
69	Chapter 7 Aqueous Humor Dynamics I. Current Topics in Membranes, 2008, 62, 193-229.	0.5	13
70	Current status of unoprostone for the management of glaucoma and the future of its use in the treatment of retinal disease. Expert Opinion on Pharmacotherapy, 2013, 14, 105-113.	0.9	11
71	Current methods and new approaches to assess aqueous humor dynamics. Expert Review of Ophthalmology, 2021, 16, 139-160.	0.3	11
72	Prostanoid Receptor Antagonist Effects on Intraocular Pressure, Supported by Ocular Biodisposition Experiments. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 606-622.	0.6	10

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73	Antiglaucoma EP₂Agonists: A Long Road That Led Somewhere. Journal of Ocular Pharmacology and Therapeutics, 2019, 35, 469-474.	0.6	10
74	Aqueous humor dynamics in inbred rhesus monkeys with naturally occurring ocular hypertension. Experimental Eye Research, 2010, 91, 860-865.	1.2	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.	0.6	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.	0.6	8
78	Outflow Facility Effects of 3 Schlemmâ€™s Canal Microinvasive Glaucoma Surgery Devices. Ophthalmology Glaucoma, 2020, 3, 114-121.	0.9	8
79	Aqueous flow in galactose-fed dogs. Experimental Eye Research, 2006, 83, 865-870.	1.2	7
80	Aqueous Humor Dynamics in Pigment Dispersion Syndrome. JAMA Ophthalmology, 2010, 128, 1115.	2.6	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.	2.1	7
83	NCX 667, a Novel Nitric Oxide Donor, Lowers Intraocular Pressure in Rabbits, Dogs, and Non-Human Primates and Enhances TGFÎ²2-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.	0.6	6
85	Accommodative Exercises to Lower Intraocular Pressure. Journal of Ophthalmology, 2020, 2020, 1-7.	0.6	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.	0.6	5
87	Differences in ocular biometrics and aqueous humour dynamics between Chinese and Caucasian adults. British Journal of Ophthalmology, 2019, 103, bjophthalmol-2018-313132.	2.1	4
88	Predictors of Intraocular Pressure Lowering after Phacoemulsification and iStent Implantation. Ophthalmology Glaucoma, 2021, 4, 139-148.	0.9	4
89	Chapter 8 Aqueous Humor Dynamics II. Current Topics in Membranes, 2008, , 231-272.	0.5	3
90	Aqueous Humor Dynamics and Intraocular Pressure Elevation. , 2015, , 47-56.		3

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91	A Schlemmâ€™s canal scaffold for the treatment of elevated IOP. Expert Review of Ophthalmology, 2016, 11, 259-266.	0.3	3
92	Shotgun Sphingolipid Analysis of Human Aqueous Humor. Methods in Molecular Biology, 2018, 1695, 97-107.	0.4	3
93	Quantitative Proteomic Analysis of Human Aqueous Humor Using iTRAQ 4plex Labeling. Methods in Molecular Biology, 2018, 1695, 89-95.	0.4	3
94	Changes in Parameters of Aqueous Humor Dynamics Throughout Life. Modeling and Simulation in Science, Engineering and Technology, 2019, , 161-190.	0.4	3
95	Unoprostone Isopropyl Ester Darkens Iris Color in Pigmented Rabbits with Sympathetic Denervation. Journal of Glaucoma, 2003, 12, 383-389.	0.8	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.	0.6	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.	1.2	2
98	Reflections on the life and career of Carl Camras. Experimental Eye Research, 2011, 93, 239-242.	1.2	0
99	Brimonidine â˜†. , 2018, , .		0
100	Response. Journal of Glaucoma, 2019, 28, e66-e67.	0.8	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.	0.6	0
102	Aqueous humor dynamics. Basic and Clinical Dermatology, 2007, , 13-27.	0.1	0