

Ted S Acott

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

3,096
citations

31
h-index

53
g-index

53
ext. papers

3,586
ext. citations

4.5
avg, IF

5.29
L-index

#	Paper	IF	Citations
53	Endogenous expression of Notch pathway molecules in human trabecular meshwork cells.. <i>Experimental Eye Research</i> , 2022 , 216, 108935	3.7	0
52	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. 2022 , 63, 12		1
51	Valve-Like Outflow System Behavior With Motion Slowing in Glaucoma Eyes: Findings Using a Minimally Invasive Glaucoma Surgery-MIGS-Like Platform and Optical Coherence Tomography Imaging.. <i>Frontiers in Medicine</i> , 2022 , 9, 815866	4.9	1
50	Modeling the biomechanics of the conventional aqueous outflow pathway microstructure in the human eye. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 221, 106922	6.9	0
49	Normal and glaucomatous outflow regulation. <i>Progress in Retinal and Eye Research</i> , 2021 , 82, 100897	20.5	17
48	ZO-1 associates with β integrin and connexin43 in trabecular meshwork and Schlemm's canal cells. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2020 , 12, 1-10	3.4	3
47	Gap junction connexin43 is a key element in mediating phagocytosis activity in human trabecular meshwork cells. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2020 , 12, 25-31	3.4	1
46	Isolation and Characterization of primary human trabecular meshwork cells from segmental flow regions: New tools for understanding segmental flow. <i>Experimental Eye Research</i> , 2020 , 197, 108046	3.7	4
45	Elevated pressure influences relative distribution of segmental regions of the trabecular meshwork. <i>Experimental Eye Research</i> , 2020 , 190, 107888	3.7	11
44	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. <i>Experimental Eye Research</i> , 2018 , 171, 164-173	3.7	130
43	Glaucomatous cell derived matrices differentially modulate non-glaucomatous trabecular meshwork cellular behavior. <i>Acta Biomaterialia</i> , 2018 , 71, 444-459	10.8	35
42	Biomechanical Rigidity and Quantitative Proteomics Analysis of Segmental Regions of the Trabecular Meshwork at Physiologic and Elevated Pressures 2018 , 59, 246-259		35
41	Pressure-induced expression changes in segmental flow regions of the human trabecular meshwork. <i>Experimental Eye Research</i> , 2017 , 158, 67-72	3.7	24
40	Tunneling Nanotubes are Novel Cellular Structures That Communicate Signals Between Trabecular Meshwork Cells 2017 , 58, 5298-5307		35
39	Estimating Human Trabecular Meshwork Stiffness by Numerical Modeling and Advanced OCT Imaging 2017 , 58, 4809-4817		42
38	Effects of induction and inhibition of matrix cross-linking on remodeling of the aqueous outflow resistance by ocular trabecular meshwork cells. <i>Scientific Reports</i> , 2016 , 6, 30505	4.9	15
37	Extracellular matrix in the trabecular meshwork: intraocular pressure regulation and dysregulation in glaucoma. <i>Experimental Eye Research</i> , 2015 , 133, 112-25	3.7	200

36	Induced pluripotent stem cells restore function in a human cell loss model of open-angle glaucoma. <i>Stem Cells</i> , 2015 , 33, 751-61	5.8	69
35	Mapping molecular differences and extracellular matrix gene expression in segmental outflow pathways of the human ocular trabecular meshwork. <i>PLoS ONE</i> , 2015 , 10, e0122483	3.7	65
34	Intraocular pressure homeostasis: maintaining balance in a high-pressure environment. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2014 , 30, 94-101	2.6	92
33	Differential effects of caveolin-1 and -2 knockdown on aqueous outflow and altered extracellular matrix turnover in caveolin-silenced trabecular meshwork cells 2014 , 55, 5497-509		43
32	The Trabecular Meshwork: A Basic Review of Form and Function 2014 , 2,		54
31	The effects of tenascin C knockdown on trabecular meshwork outflow resistance 2013 , 54, 5613-23		19
30	The Juxtacanalicular Region of Ocular Trabecular Meshwork: A Tissue with a Unique Extracellular Matrix and Specialized Function 2013 , 1, 3		51
29	Perturbation of hyaluronan synthesis in the trabecular meshwork and the effects on outflow facility 2012 , 53, 4616-25		16
28	Current understanding of conventional outflow dysfunction in glaucoma. <i>Current Opinion in Ophthalmology</i> , 2012 , 23, 135-43	5.1	180
27	Inhibition of hyaluronan synthesis reduces versican and fibronectin levels in trabecular meshwork cells. <i>PLoS ONE</i> , 2012 , 7, e48523	3.7	24
26	Molecular chaperone function for myocilin 2011 , 52, 7548-55		12
25	Elastic modulus determination of normal and glaucomatous human trabecular meshwork 2011 , 52, 2147-52		229
24	Segmental versican expression in the trabecular meshwork and involvement in outflow facility 2011 , 52, 5049-57		96
23	Differential effects of ADAMTS-1, -4, and -5 in the trabecular meshwork 2009 , 50, 5769-77		52
22	Extracellular matrix turnover and outflow resistance. <i>Experimental Eye Research</i> , 2009 , 88, 676-82	3.7	171
21	Extracellular matrix in the trabecular meshwork. <i>Experimental Eye Research</i> , 2008 , 86, 543-61	3.7	335
20	Effects of modifiers of glycosaminoglycan biosynthesis on outflow facility in perfusion culture. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 2495-505		66
19	Specialized podosome- or invadopodia-like structures (PILS) for focal trabecular meshwork extracellular matrix turnover 2008 , 49, 5353-65		56

18	Extracellular matrix gene alternative splicing by trabecular meshwork cells in response to mechanical stretching. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 1164-72		80
17	p38 MAP kinase pathway and stromelysin regulation in trabecular meshwork cells. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 3126-37		17
16	Synergism of TNF and IL-1 in the induction of matrix metalloproteinase-3 in trabecular meshwork. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 2634-43		67
15	IL-1 and TNF induction of matrix metalloproteinase-3 by c-Jun N-terminal kinase in trabecular meshwork. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 1469-76		38
14	Changes in gene expression by trabecular meshwork cells in response to mechanical stretching. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 2857-68		130
13	Signaling pathways used in trabecular matrix metalloproteinase response to mechanical stretch. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 5174-81		87
12	Involvement of the Erk-MAP kinase pathway in TNF α regulation of trabecular matrix metalloproteinases and TIMPs. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 164-9		54
11	Expression profile and genome location of cDNA clones from an infant human trabecular meshwork cell library. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 3698-704		21
10	Growth factor and cytokine modulation of trabecular meshwork matrix metalloproteinase and TIMP expression. <i>Current Eye Research</i> , 1998 , 17, 276-85	2.9	89
9	Prospects for genetic intervention in primary open-angle glaucoma. <i>Drugs and Aging</i> , 1998 , 13, 333-40	4.7	6
8	Discrete expression and distribution pattern of TIMP-3 in the human retina and choroid. <i>Current Eye Research</i> , 1997 , 16, 102-10	2.9	48
7	Proteoglycan expression by human trabecular meshworks. <i>Current Eye Research</i> , 1997 , 16, 412-21	2.9	31
6	Early changes in matrix metalloproteinases and inhibitors after in vitro laser treatment to the trabecular meshwork. <i>Current Eye Research</i> , 1995 , 14, 537-44	2.9	63
5	Ionic Modulation of Flow Resistance in an Immobilized Proteoglycan Model of the Trabecular Meshwork. <i>Journal of Glaucoma</i> , 1993 , 2, 183-192	2.1	2
4	Antagonism of Retinol-Induced RNA Synthesis: Assessment of Retinoid Toxicity in Cultured Retinal Pigment Epithelium. <i>Cutaneous and Ocular Toxicology</i> , 1990 , 9, 251-263		
3	Glycosaminoglycans of human trabecular meshwork in perfusion organ culture. <i>Current Eye Research</i> , 1990 , 9, 363-9	2.9	11
2	Trabecular repopulation by anterior trabecular meshwork cells after laser trabeculoplasty. <i>American Journal of Ophthalmology</i> , 1989 , 107, 1-6	4.9	110
1	Inhibition of bovine spermatozoa by caudal epididymal fluid: I. Studies of a sperm motility quiescence factor. <i>Biology of Reproduction</i> , 1984 , 30, 913-25	3.9	58

