

Kate E Keller

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

7,230
citations

430874

18
h-index

526287

27
g-index

42
all docs

42
docs citations

42
times ranked

15778
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Missense Extracellular Matrix Gene Variants in a Large Glaucoma Pedigree and Investigation of the N700S Thrombospondin-1 Variant in Normal and Glaucomatous Trabecular Meshwork Cells. <i>Current Eye Research</i> , 2022, 47, 79-90.	1.5	7
2	Pathogenesis of glaucoma: Extracellular matrix dysfunction in the trabecular meshworkâ€A review. <i>Clinical and Experimental Ophthalmology</i> , 2022, 50, 163-182.	2.6	33
3	Endogenous expression of Notch pathway molecules in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 2022, 216, 108935.	2.6	4
4	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.		20
5	The Effects of Mechanical Stretch on Integrins and Filopodial-Associated Proteins in Normal and Glaucomatous Trabecular Meshwork Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 886706.	3.7	5
6	Normal and glaucomatous outflow regulation. <i>Progress in Retinal and Eye Research</i> , 2021, 82, 100897.	15.5	76
7	Effects of Netarsudil on Actin-Driven Cellular Functions in Normal and Glaucomatous Trabecular Meshwork Cells: A Live Imaging Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 3524.	2.4	8
8	Tunneling Nanotubes and the Eye: Intercellular Communication and Implications for Ocular Health and Disease. <i>BioMed Research International</i> , 2020, 2020, 1-15.	1.9	19
9	Tunneling nanotubes and actin cytoskeleton dynamics in glaucoma. <i>Neural Regeneration Research</i> , 2020, 15, 2031.	3.0	5
10	Phenotypic and Functional Alterations in Tunneling Nanotubes Formed by Glaucomatous Trabecular Meshwork Cells. , 2019, 60, 4583.		13
11	Myosin-X Silencing in the Trabecular Meshwork Suggests a Role for Tunneling Nanotubes in Outflow Regulation. , 2019, 60, 843.		19
12	Analysis of interleukin-20 receptor complexes in trabecular meshwork cells and effects of cytokine signaling in anterior segment perfusion culture. <i>Molecular Vision</i> , 2019, 25, 266-282.	1.1	1
13	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. <i>Experimental Eye Research</i> , 2018, 171, 164-173.	2.6	221
14	Glaucomatous cell derived matrices differentially modulate non-glaucomatous trabecular meshwork cellular behavior. <i>Acta Biomaterialia</i> , 2018, 71, 444-459.	8.3	51
15	Working your SOCS off: The role of ASB10 and protein degradation pathways in glaucoma. <i>Experimental Eye Research</i> , 2017, 158, 154-160.	2.6	13
16	Author Response: Comparison of MicroRNA Expression in Aqueous Humour of Normal and Primary Open-Angle Glaucoma Patients Using PCR Arrays: A Pilot Study. , 2017, 58, 4989.		2
17	Tunneling Nanotubes are Novel Cellular Structures That Communicate Signals Between Trabecular Meshwork Cells. , 2017, 58, 5298.		39
18	Comparison of MicroRNA Expression in Aqueous Humor of Normal and Primary Open-Angle Glaucoma Patients Using PCR Arrays: A Pilot Study. , 2017, 58, 2884.		46

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19	The Role of the IL-20 Subfamily in Glaucoma. <i>Mediators of Inflammation</i> , 2016, 2016, 1-8.	3.0	20
20	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.	3.3	23
21	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
22	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.	2.5	79
23	Extracellular matrix in the trabecular meshwork: Intraocular pressure regulation and dysregulation in glaucoma. <i>Experimental Eye Research</i> , 2015, 133, 112-125.	2.6	288
24	Hyaluronan cable formation by ocular trabecular meshwork cells. <i>Experimental Eye Research</i> , 2015, 139, 97-107.	2.6	6
25	Interleukin-20 Receptor Expression in the Trabecular Meshwork and Its Implication in Glaucoma. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2014, 30, 267-276.	1.4	23
26	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.		58
27	Intraocular Pressure Homeostasis: Maintaining Balance in a High-Pressure Environment. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2014, 30, 94-101.	1.4	130
28	The Effects of Tenascin C Knockdown on Trabecular Meshwork Outflow Resistance. , 2013, 54, 5613.		25
29	Ankyrin repeat and suppressor of cytokine signaling box containing protein-10 is associated with ubiquitin-mediated degradation pathways in trabecular meshwork cells. <i>Molecular Vision</i> , 2013, 19, 1639-55.	1.1	21
30	The Juxtacanalicular Region of Ocular Trabecular Meshwork: A Tissue with a Unique Extracellular Matrix and Specialized Function. <i>Journal of Ocular Biology</i> , 2013, 1, 3.	0.4	61
31	Variants in ASB10 are associated with open-angle glaucoma. <i>Human Molecular Genetics</i> , 2012, 21, 1336-1349.	2.9	76
32	Perturbation of Hyaluronan Synthesis in the Trabecular Meshwork and the Effects on Outflow Facility. , 2012, 53, 4616.		21
33	Inhibition of Hyaluronan Synthesis Reduces Versican and Fibronectin Levels in Trabecular Meshwork Cells. <i>PLoS ONE</i> , 2012, 7, e48523.	2.5	31
34	Elastic Modulus Determination of Normal and Glaucomatous Human Trabecular Meshwork. , 2011, 52, 2147.		314
35	Segmental Versican Expression in the Trabecular Meshwork and Involvement in Outflow Facility. , 2011, 52, 5049.		122
36	Differential Effects of ADAMTS-1, -4, and -5 in the Trabecular Meshwork. , 2009, 50, 5769.		62

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37	Stem cells in the trabecular meshwork: Present and future promises. <i>Experimental Eye Research</i> , 2009, 88, 747-751.	2.6	95
38	Extracellular matrix turnover and outflow resistance. <i>Experimental Eye Research</i> , 2009, 88, 676-682.	2.6	211
39	Effects of Modifiers of Glycosaminoglycan Biosynthesis on Outflow Facility in Perfusion Culture. , 2008, 49, 2495.		71
40	Specialized Podosome- or Invadopodia-like Structures (PILS) for Focal Trabecular Meshwork Extracellular Matrix Turnover. , 2008, 49, 5353.		65
41	Extracellular Matrix Gene Alternative Splicing by Trabecular Meshwork Cells in Response to Mechanical Stretching. , 2007, 48, 1164.		92