

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Elastic Modulus Determination of Normal and Glaucomatous Human Trabecular Meshwork. , 2011, 52, 2147.		314
3	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
4	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. <i>Experimental Eye Research</i> , 2018, 171, 164-173.	2.6	221
5	Extracellular matrix turnover and outflow resistance. <i>Experimental Eye Research</i> , 2009, 88, 676-682.	2.6	211
6	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
7	Segmental Versican Expression in the Trabecular Meshwork and Involvement in Outflow Facility. , 2011, 52, 5049.		122
8	Stem cells in the trabecular meshwork: Present and future promises. <i>Experimental Eye Research</i> , 2009, 88, 747-751.	2.6	95
9	Extracellular Matrix Gene Alternative Splicing by Trabecular Meshwork Cells in Response to Mechanical Stretching. , 2007, 48, 1164.		92
10	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
11	Variants in <i>ASB10</i> are associated with open-angle glaucoma. <i>Human Molecular Genetics</i> , 2012, 21, 1336-1349.	2.9	76
12	Normal and glaucomatous outflow regulation. <i>Progress in Retinal and Eye Research</i> , 2021, 82, 100897.	15.5	76
13	Effects of Modifiers of Glycosaminoglycan Biosynthesis on Outflow Facility in Perfusion Culture. , 2008, 49, 2495.		71
14	Specialized Podosome- or Invadopodia-like Structures (PILS) for Focal Trabecular Meshwork Extracellular Matrix Turnover. , 2008, 49, 5353.		65
15	Differential Effects of ADAMTS-1, -4, and -5 in the Trabecular Meshwork. , 2009, 50, 5769.		62
16	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
17	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
18	Glaucomatous cell derived matrices differentially modulate non-glaucomatous trabecular meshwork cellular behavior. <i>Acta Biomaterialia</i> , 2018, 71, 444-459.	8.3	51

#	ARTICLE	IF	CITATIONS
19	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
20	Tunneling Nanotubes are Novel Cellular Structures That Communicate Signals Between Trabecular Meshwork Cells. , 2017, 58, 5298.		39
21	Pathogenesis of glaucoma: Extracellular matrix dysfunction in the trabecular meshworkâ€ review. Clinical and Experimental Ophthalmology, 2022, 50, 163-182.	2.6	33
22	Inhibition of Hyaluronan Synthesis Reduces Versican and Fibronectin Levels in Trabecular Meshwork Cells. PLoS ONE, 2012, 7, e48523.	2.5	31
23	The Effects of Tenascin C Knockdown on Trabecular Meshwork Outflow Resistance. , 2013, 54, 5613.		25
24	Interleukin-20 Receptor Expression in the Trabecular Meshwork and Its Implication in Glaucoma. Journal of Ocular Pharmacology and Therapeutics, 2014, 30, 267-276.	1.4	23
25	Effects of induction and inhibition of matrix cross-linking on remodeling of the aqueous outflow resistance by ocular trabecular meshwork cells. Scientific Reports, 2016, 6, 30505.	3.3	23
26	Perturbation of Hyaluronan Synthesis in the Trabecular Meshwork and the Effects on Outflow Facility. , 2012, 53, 4616.		21
27	Ankyrin repeat and suppressor of cytokine signaling box containing protein-10 is associated with ubiquitin-mediated degradation pathways in trabecular meshwork cells. Molecular Vision, 2013, 19, 1639-55.	1.1	21
28	The Role of the IL-20 Subfamily in Glaucoma. Mediators of Inflammation, 2016, 2016, 1-8.	3.0	20
29	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.		20
30	Myosin-X Silencing in the Trabecular Meshwork Suggests a Role for Tunneling Nanotubes in Outflow Regulation. , 2019, 60, 843.		19
31	Tunneling Nanotubes and the Eye: Intercellular Communication and Implications for Ocular Health and Disease. BioMed Research International, 2020, 2020, 1-15.	1.9	19
32	Working your SOCS off: The role of ASB10 and protein degradation pathways in glaucoma. Experimental Eye Research, 2017, 158, 154-160.	2.6	13
33	Phenotypic and Functional Alterations in Tunneling Nanotubes Formed by Glaucomatous Trabecular Meshwork Cells. , 2019, 60, 4583.		13
34	Effects of Netarsudil on Actin-Driven Cellular Functions in Normal and Glaucomatous Trabecular Meshwork Cells: A Live Imaging Study. Journal of Clinical Medicine, 2020, 9, 3524.	2.4	8
35	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. Current Eye Research, 2022, 47, 79-90.	1.5	7
36	Hyaluronan cable formation by ocular trabecular meshwork cells. Experimental Eye Research, 2015, 139, 97-107.	2.6	6

#	ARTICLE	IF	CITATIONS
37	Tunneling nanotubes and actin cytoskeleton dynamics in glaucoma. <i>Neural Regeneration Research</i> , 2020, 15, 2031.	3.0	5
38	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
39	Endogenous expression of Notch pathway molecules in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 2022, 216, 108935.	2.6	4
40	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
41	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