A Sue Menko

List of Publications by Year in Descending Order

61 papers	5,450 citations	26 h-index	61 g-index
61 ext. papers	6,250 ext. citations	4.1 avg, IF	4.81 L-index

#	Paper	IF	Citations
61	Suppression of PI3K signaling is linked to autophagy activation and the spatiotemporal induction of the lens organelle free zone.. *Experimental Cell Research*, **2022**, 113043	4.2	4
60	The Pro-fibrotic Response of Mesenchymal Leader Cells to Lens Wounding Involves Hyaluronic Acid, Its Receptor RHAMM, and Vimentin.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 862423	5.7	0
59	Uveitis-mediated immune cell invasion through the extracellular matrix of the lens capsule. *FASEB Journal*, **2022**, 36, e21995	0.9	
58	Patterns of Crystallin Gene Expression in Differentiation State Specific Regions of the Embryonic Chicken Lens. **2022**, 63, 8		
57	The link between inhibition of PI3K signaling, induction of autophagy, and elimination of organelles to form the lens organelle-free zone **2022**, 1, 238-241		1
56	Descemet's membrane injury and regeneration, and posterior corneal fibrosis, in rabbits. *Experimental Eye Research*, **2021**, 213, 108803	3.7	6
55	Resident immune cells of the avascular lens: Mediators of the injury and fibrotic response of the lens. *FASEB Journal*, **2021**, 35, e21341	0.9	8
54	TGFβ1 and TGFβ2 proteins in corneas with and without stromal fibrosis: Delayed regeneration of apical epithelial growth factor barrier and the epithelial basement membrane in corneas with stromal fibrosis. *Experimental Eye Research*, **2021**, 202, 108325	3.7	14
53	Specification of the patterning of a ductal tree during branching morphogenesis of the submandibular gland. *Scientific Reports*, **2021**, 11, 330	4.9	0
52	Dynamics of the lens basement membrane capsule and its interaction with connective tissue-like extracapsular matrix proteins. *Matrix Biology*, **2021**, 96, 18-46	11.4	6
51	Immune cells in lens injury repair and fibrosis. *Experimental Eye Research*, **2021**, 209, 108664	3.7	4
50	Immune responses to injury and their links to eye disease. *Translational Research*, **2021**, 236, 52-71	11	7
49	An immune response to the avascular lens following wounding of the cornea involves ciliary zonule fibrils. *FASEB Journal*, **2020**, 34, 9316-9336	0.9	11
48	Fibrosis: Shared Lessons From the Lens and Cornea. *Anatomical Record*, **2020**, 303, 1689-1702	2.1	9
47	Lens differentiation is characterized by stage-specific changes in chromatin accessibility correlating with differentiation state-specific gene expression. *Developmental Biology*, **2019**, 453, 86-104	3.1	10
46	Microtubules: Evolving roles and critical cellular interactions. *Experimental Biology and Medicine*, **2019**, 244, 1240-1254	3.7	12
45	Functional role for stable microtubules in lens fiber cell elongation. *Experimental Cell Research*, **2018**, 362, 477-488	4.2	9

44	BNIP3L/NIX is required for elimination of mitochondria, endoplasmic reticulum and Golgi apparatus during eye lens organelle-free zone formation. *Experimental Eye Research*, **2018**, 174, 173-184	3.7	34
43	N-cadherin regulates signaling mechanisms required for lens fiber cell elongation and lens morphogenesis. *Developmental Biology*, **2017**, 428, 118-134	3.1	25
42	Induction of Immune Surveillance of the Dysmorphogenic Lens. *Scientific Reports*, **2017**, 7, 16235	4.9	18
41	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
40	Cells activated for wound repair have the potential to direct collective invasion of an epithelium. *Molecular Biology of the Cell*, **2016**, 27, 451-65	3.5	15
39	New Insight Into the Protrusions and Paddles That Link Lens Fiber Cells **2016**, 57, 4100		
38	Establishment of a Clinically Relevant Ex Vivo Mock Cataract Surgery Model for Investigating Epithelial Wound Repair in a Native Microenvironment. *Journal of Visualized Experiments*, **2015**, e52886	1.6	7
37	Cytokine deposition alters leukocyte morphology and initial recruitment of monocytes and T cells after corneal injury **2014**, 55, 2757-65		11
36	Differentiation state-specific mitochondrial dynamic regulatory networks are revealed by global transcriptional analysis of the developing chicken lens. *G3: Genes, Genomes, Genetics*, **2014**, 4, 1515-27	3.2	30
35	β integrin transactivates insulin-like growth factor receptor-1 (IGF-1R) to regulate caspase-3-mediated lens epithelial cell differentiation initiation. *Journal of Biological Chemistry*, **2014**, 289, 3842-55	5.4	15
34	Suppression of MAPK/JNK-MTORC1 signaling leads to premature loss of organelles and nuclei by autophagy during terminal differentiation of lens fiber cells. *Autophagy*, **2014**, 10, 1193-211	10.2	75
33	Endogenous hydrogen peroxide production in the epithelium of the developing embryonic lens. *Molecular Vision*, **2014**, 20, 458-67	2.3	14
32	Autophagy and mitophagy participate in ocular lens organelle degradation. *Experimental Eye Research*, **2013**, 116, 141-50	3.7	85
31	Distinct roles for N-Cadherin linked c-Src and fyn kinases in lens development. *Developmental Dynamics*, **2013**, 242, 469-84	2.9	11
30	The Hippo signaling pathway is required for salivary gland development and its dysregulation is associated with Sjogren's syndrome. *Laboratory Investigation*, **2013**, 93, 1203-18	5.9	38
29	Insulin-like growth factor receptor-1 and nuclear factor B are crucial survival signals that regulate caspase-3-mediated lens epithelial cell differentiation initiation. *Journal of Biological Chemistry*, **2012**, 287, 8384-97	5.4	32
28	Modulation of N-cadherin junctions and their role as epicenters of differentiation-specific actin regulation in the developing lens. *Developmental Biology*, **2011**, 349, 363-77	3.1	31
27	Unique precursors for the mesenchymal cells involved in injury response and fibrosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 13730-5	11.5	35

26	Α-Crystallin associates with β integrin receptor complexes and regulates cellular signaling. *Experimental Eye Research*, **2010**, 91, 640-51	3.7	9
25	Overexpression of DPAGT1 leads to aberrant N-glycosylation of E-cadherin and cellular discohesion in oral cancer. *Cancer Research*, **2009**, 69, 5673-80	10.1	63
24	Integrins in lens development and disease. *Experimental Eye Research*, **2009**, 88, 216-25	3.7	55
23	Noggin producing, MyoD-positive cells are crucial for eye development. *Developmental Biology*, **2009**, 336, 30-41	3.1	21
22	Identification of a novel intermediate filament-linked N-cadherin/gamma-catenin complex involved in the establishment of the cytoarchitecture of differentiated lens fiber cells. *Developmental Biology*, **2008**, 319, 298-308	3.1	36
21	Mechanism of small heat shock protein function in vivo: a knock-in mouse model demonstrates that the R49C mutation in alpha A-crystallin enhances protein insolubility and cell death. *Journal of Biological Chemistry*, **2008**, 283, 5801-14	5.4	44
20	Diverse roles of E-cadherin in the morphogenesis of the submandibular gland: insights into the formation of acinar and ductal structures. *Developmental Dynamics*, **2008**, 237, 3128-41	2.9	74
19	Activation of SRC kinases signals induction of posterior capsule opacification. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 2214-23		57
18	Mechanism of Src kinase induction of cortical cataract following exposure to stress: destabilization of cell-cell junctions. *Molecular Vision*, **2007**, 13, 1298-310	2.3	17
17	Actin filament organization regulates the induction of lens cell differentiation and survival. *Developmental Biology*, **2006**, 295, 714-29	3.1	53
16	Phosphatidylinositol 3-kinase is necessary for lens fiber cell differentiation and survival. *Investigative Ophthalmology and Visual Science*, **2006**, 47, 4490-9		33
15	Color image acquisition using a monochrome camera and standard fluorescence filter cubes. *BioTechniques*, **2005**, 38, 52, 54, 56	2.5	8
14	The canonical intrinsic mitochondrial death pathway has a non-apoptotic role in signaling lens cell differentiation. *Journal of Biological Chemistry*, **2005**, 280, 22135-45	5.4	84
13	Role of Matrix and Cell Adhesion Molecules in Lens Differentiation **2004**, 245-260		3
12	Coordinate signaling by Src and p38 kinases in the induction of cortical cataracts. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 2314-23		15
11	Role for alpha 6 integrin during lens development: Evidence for signaling through IGF-1R and ERK. *Developmental Dynamics*, **2002**, 223, 273-84	2.9	67
10	Regulation of cadherin junctions during mouse submandibular gland development. *Developmental Dynamics*, **2002**, 224, 321-33	2.9	32
9	Transition between proliferation and differentiation for lens epithelial cells is regulated by Src family kinases. *Developmental Dynamics*, **2002**, 224, 361-72	2.9	53

8	Lens epithelial cell differentiation. *Experimental Eye Research*, **2002**, 75, 485-90	3.7	92
7	A signaling role for the uncleaved form of alpha 6 integrin in differentiating lens fiber cells. *Developmental Biology*, **2002**, 251, 195-205	3.1	41
6	The role of Src family kinases in cortical cataract formation. *Investigative Ophthalmology and Visual Science*, **2002**, 43, 2293-300		9
5	Loss of alpha3beta1 integrin function results in an altered differentiation program in the mouse submandibular gland. *Developmental Dynamics*, **2001**, 220, 337-49	2.9	62
4	Neuroadaptive responses in brainstem noradrenergic nuclei following chronic morphine exposure. *Molecular Neurobiology*, **2001**, 23, 155-71	6.2	38
3	Differential expression of proliferative, cytoskeletal, and adhesive proteins during postnatal development of the hamster submandibular gland. *Histochemistry and Cell Biology*, **1999**, 111, 153-62	2.4	14
2	Expression of schwannomin in lens and Schwann cells. *NeuroReport*, **1997**, 8, 2025-30	1.7	33
1	Evaluation of integrin molecules involved in substrate adhesion. *Cell Adhesion and Communication*, **1993**, 1, 191-202		22