A Sue Menko

List of Publications by Year
in descending order

61 papers	6,766 citations	185998 28 h-index	168136 53 g-index
61 all docs	61 docs citations	61 times ranked	14974 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Autophagy and mitophagy participate in ocular lens organelle degradation. Experimental Eye Research, 2013, 116, 141-150.	1.2	110
3	Lens Epithelial Cell Differentiation. Experimental Eye Research, 2002, 75, 485-490.	1.2	100
4	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, 1193-1211.	4.3	94
5	The Canonical Intrinsic Mitochondrial Death Pathway Has a Non-apoptotic Role in Signaling Lens Cell Differentiation. Journal of Biological Chemistry, 2005, 280, 22135-22145.	1.6	92
6	Diverse roles of Eâ€cadherin in the morphogenesis of the submandibular gland: Insights into the formation of acinar and ductal structures. Developmental Dynamics, 2008, 237, 3128-3141.	0.8	86
7	Overexpression of DPAGT1 Leads to Aberrant N-Glycosylation of E-Cadherin and Cellular Discohesion in Oral Cancer. Cancer Research, 2009, 69, 5673-5680.	0.4	76
8	Role for ?6 integrin during lens development: Evidence for signaling through IGF-1R and ERK. Developmental Dynamics, 2002, 223, 273-284.	0.8	71
9	Loss of ?3?1 integrin function results in an altered differentiation program in the mouse submandibular gland. Developmental Dynamics, 2001, 220, 337-349.	0.8	70
10	Immune responses to injury and their links to eye disease. Translational Research, 2021, 236, 52-71.	2.2	69
11	Integrins in lens development and disease. Experimental Eye Research, 2009, 88, 216-225.	1.2	64
12	Activation of Src Kinases Signals Induction of Posterior Capsule Opacification. , 2007, 48, 2214.		63
13	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.	1.2	58
14	Actin filament organization regulates the induction of lens cell differentiation and survival. Developmental Biology, 2006, 295, 714-729.	0.9	56
15	Transition between proliferation and differentiation for lens epithelial cells is regulated by Src family kinases. Developmental Dynamics, 2002, 224, 361-372.	0.8	55
16	Mechanism of Small Heat Shock Protein Function in Vivo. Journal of Biological Chemistry, 2008, 283, 5801-5814.	1.6	48
17	The Hippo signaling pathway is required for salivary gland development and its dysregulation is associated with Sjogren's syndrome. Laboratory Investigation, 2013, 93, 1203-1218.	1.7	45
18	Microtubules: Evolving roles and critical cellular interactions. Experimental Biology and Medicine, 2019, 244, 1240-1254.	1.1	45

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19	A Signaling Role for the Uncleaved Form of Î±6 Integrin in Differentiating Lens Fiber Cells. Developmental Biology, 2002, 251, 195-205.	0.9	43
20	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, 13730-13735.	3.3	43
21	Neuroadaptive Responses in Brainstem Noradrenergic Nuclei Following Chronic Morphine Exposure. Molecular Neurobiology, 2001, 23, 155-172.	1.9	40
22	Identification of a novel intermediate filament-linked N-cadherin/Î³-catenin complex involved in the establishment of the cytoarchitecture of differentiated lens fiber cells. Developmental Biology, 2008, 319, 298-308.	0.9	40
23	Differentiation State-Specific Mitochondrial Dynamic Regulatory Networks Are Revealed by Global Transcriptional Analysis of the Developing Chicken Lens. G3: Genes, Genomes, Genetics, 2014, 4, 1515-1527.	0.8	39
24	Insulin-like Growth Factor Receptor-1 and Nuclear Factor ÎºB Are Crucial Survival Signals That Regulate Caspase-3-mediated Lens Epithelial Cell Differentiation Initiation. Journal of Biological Chemistry, 2012, 287, 8384-8397.	1.6	38
25	Phosphatidylinositol 3-Kinase Is Necessary for Lens Fiber Cell Differentiation and Survival. , 2006, 47, 4490.		37
26	Expression of schwannomin in lens and Schwann cells. NeuroReport, 1997, 8, 2025-2030.	0.6	36
27	TGFÎ²1 and TGFÎ²2 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.	1.2	36
28	Modulation of N-cadherin junctions and their role as epicenters of differentiation-specific actin regulation in the developing lens. Developmental Biology, 2011, 349, 363-377.	0.9	35
29	Regulation of cadherin junctions during mouse submandibular gland development. Developmental Dynamics, 2002, 224, 321-333.	0.8	33
30	N-cadherin regulates signaling mechanisms required for lens fiber cell elongation and lens morphogenesis. Developmental Biology, 2017, 428, 118-134.	0.9	31
31	Noggin producing, MyoD-positive cells are crucial for eye development. Developmental Biology, 2009, 336, 30-41.	0.9	27
32	Evaluation of Integrin Molecules Involved in Substrate Adhesion. Cell Adhesion and Communication, 1993, 1, 191-202.	1.7	23
33	Induction of Immune Surveillance of the Dysmorphogenic Lens. Scientific Reports, 2017, 7, 16235.	1.6	23
34	Cells activated for wound repair have the potential to direct collective invasion of an epithelium. Molecular Biology of the Cell, 2016, 27, 451-465.	0.9	22
35	Descemet's membrane injury and regeneration, and posterior corneal fibrosis, in rabbits. Experimental Eye Research, 2021, 213, 108803.	1.2	19
36	Resident immune cells of the avascular lens: Mediators of the injury and fibrotic response of the lens. FASEB Journal, 2021, 35, e21341.	0.2	18

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37	Mechanism of Src kinase induction of cortical cataract following exposure to stress: destabilization of cell-cell junctions. Molecular Vision, 2007, 13, 1298-310.	1.1	18
38	Coordinate Signaling by Src and p38 Kinases in the Induction of Cortical Cataracts. , 2004, 45, 2314.		17
39	Î±6 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, 3842-3855.	1.6	17
40	Suppression of PI3K signaling is linked to autophagy activation and the spatiotemporal induction of the lens organelle free zone. Experimental Cell Research, 2022, 412, 113043.	1.2	17
41	Differential expression of proliferative, cytoskeletal, and adhesive proteins during postnatal development of the hamster submandibular gland. Histochemistry and Cell Biology, 1999, 111, 153-162.	0.8	16
42	Lens differentiation is characterized by stage-specific changes in chromatin accessibility correlating with differentiation state-specific gene expression. Developmental Biology, 2019, 453, 86-104.	0.9	16
43	An immune response to the avascular lens following wounding of the cornea involves ciliary zonule fibrils. FASEB Journal, 2020, 34, 9316-9336.	0.2	16
44	Fibrosis: Shared Lessons From the Lens and Cornea. Anatomical Record, 2020, 303, 1689-1702.	0.8	15
45	Distinct roles for Nâ€Cadherin linked câ€Src and fyn kinases in lens development. Developmental Dynamics, 2013, 242, 469-484.	0.8	14
46	Cytokine Deposition Alters Leukocyte Morphology and Initial Recruitment of Monocytes and Î³Î´T Cells After Corneal Injury. , 2014, 55, 2757.		14
47	Dynamics of the lens basement membrane capsule and its interaction with connective tissue-like extracapsular matrix proteins. Matrix Biology, 2021, 96, 18-46.	1.5	14
48	Immune cells in lens injury repair and fibrosis. Experimental Eye Research, 2021, 209, 108664.	1.2	14
49	Endogenous hydrogen peroxide production in the epithelium of the developing embryonic lens. Molecular Vision, 2014, 20, 458-67.	1.1	14
50	Functional role for stable microtubules in lens fiber cell elongation. Experimental Cell Research, 2018, 362, 477-488.	1.2	13
51	The role of Src family kinases in cortical cataract formation. Investigative Ophthalmology and Visual Science, 2002, 43, 2293-300.	3.3	11
52	Color image acquisition using a monochrome camera and standard fluorescence filter cubes. BioTechniques, 2005, 38, 52-56.	0.8	10
53	Î±A-Crystallin associates with Î±6 integrin receptor complexes and regulates cellular signaling. Experimental Eye Research, 2010, 91, 640-651.	1.2	10
54	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.	0.2	10

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55	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.	1.8	7
56	Role of Matrix and Cell Adhesion Molecules in Lens Differentiation. , 2004, , 245-260.		5
57	Uveitisâ€mediated immune cell invasion through the extracellular matrix of the lens capsule. FASEB Journal, 2022, 36, e21995.	0.2	5
58	Specification of the patterning of a ductal tree during branching morphogenesis of the submandibular gland. Scientific Reports, 2021, 11, 330.	1.6	4
59	Patterns of Crystallin Gene Expression in Differentiation State Specific Regions of the Embryonic Chicken Lens. , 2022, 63, 8.		2
60	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
61	New Insight Into the Protrusions and Paddles That Link Lens Fiber Cells. , 2016, 57, 4100.		0