Christine M Sorenson

List of Publications by Year
in descending order

56 papers	1,675 citations	279487 23 h-index	301761 39 g-index
56 all docs	56 docs citations	56 times ranked	2739 citing authors

#	Article	IF	Citations
1	Bim Expression Promotes the Clearance of Mononuclear Phagocytes during Choroidal Neovascularization, Mitigating Scar Formation in Mice. Life, 2022, 12, 208.	1.1	3
2	Targeted Thrombospondin-1 Expression in Ocular Vascular Development and Neovascularization. Frontiers in Cell and Developmental Biology, 2021, 9, 671989.	1.8	8
3	Hypoxicâ€“ischemic injury causes functional and structural neurovascular degeneration in the juvenile mouse retina. Scientific Reports, 2021, 11, 12670.	1.6	5
4	Caffeine Inhibits Choroidal Neovascularization Through Mitigation of Inflammatory and Angiogenesis Activities. Frontiers in Cell and Developmental Biology, 2021, 9, 737426.	1.8	6
5	7, 8-Dihydroxyflavone, a TrkB receptor agonist, provides minimal protection against retinal vascular damage during oxygen-induced ischemic retinopathy. PLoS ONE, 2021, 16, e0260793.	1.1	3
6	Bim expression modulates the pro-inflammatory phenotype of retinal astroglial cells. PLoS ONE, 2020, 15, e0232779.	1.1	2
7	Inhibition of retinal neovascularization by a PEDF-derived nonapeptide in newborn mice subjected to oxygen-induced ischemic retinopathy. Experimental Eye Research, 2020, 195, 108030.	1.2	9
8	Retinal astrocytes transcriptome reveals Cyp1b1 regulates the expression of genes involved in cell adhesion and migration. PLoS ONE, 2020, 15, e0231752.	1.1	10
9	Tunicamycin-induced photoreceptor atrophy precedes degeneration of retinal capillaries with minimal effects on retinal ganglion and pigment epithelium cells. Experimental Eye Research, 2019, 187, 107756.	1.2	9
10	Bcl-2 Expression in Pericytes and Astrocytes Impacts Vascular Development and Homeostasis. Scientific Reports, 2019, 9, 9700.	1.6	15
11	Novel anti-angiogenic PEDF-derived small peptides mitigate choroidal neovascularization. Experimental Eye Research, 2019, 188, 107798.	1.2	24
12	1,25(OH)₂D₃regulates the proangiogenic activity of pericyte through VDRâ€mediated modulation of VEGF production and signaling of VEGF and PDGF receptors. FASEB BioAdvances, 2019, 1, 415-434.	1.3	20
13	Cyp1b1-deficient retinal astrocytes are more proliferative and migratory and are protected from oxidative stress and inflammation. American Journal of Physiology - Cell Physiology, 2019, 316, C767-C781.	2.1	18
14	Targeted deletion of Cyp1b1 in pericytes results in attenuation of retinal neovascularization and trabecular meshwork dysgenesis. Trends in Developmental Biology, 2019, 12, 1-12.	1.0	5
15	Temporal diabetes-induced biochemical changes in distinctive layers of mouse retina. Scientific Reports, 2018, 8, 1096.	1.6	2
16	Mice dental pulp and periodontal ligament endothelial cells exhibit different proangiogenic properties. Tissue and Cell, 2018, 50, 31-36.	1.0	15
17	Cyp1b1 expression impacts the angiogenic and inflammatory properties of liver sinusoidal endothelial cells. PLoS ONE, 2018, 13, e0206756.	1.1	19
18	Extended Intravitreal Rabbit Eye Residence of Nanoparticles Conjugated With Cationic Arginine Peptides for Intraocular Drug Delivery: In Vivo Imaging. , 2018, 59, 4071.		11

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19	Vitamin D and regulation of vascular cell function. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H753-H765.	1.5	57
20	PEDF expression affects the oxidative and inflammatory state of choroidal endothelial cells. American Journal of Physiology - Cell Physiology, 2018, 314, C456-C472.	2.1	23
21	Attenuation of Retinal Vascular Development in Neonatal Mice Subjected to Hypoxic-Ischemic Encephalopathy. Scientific Reports, 2018, 8, 9166.	1.6	13
22	CYP1B1: A key regulator of redox homeostasis. Trends in Cell & Molecular Biology, 2018, 13, 27-45.	0.5	7
23	Bcl-2 expression is essential for development and normal physiological properties of tooth hard tissue and saliva production. Experimental Cell Research, 2017, 358, 94-100.	1.2	5
24	PEDF expression affects retinal endothelial cell proangiogenic properties through alterations in cell adhesive mechanisms. American Journal of Physiology - Cell Physiology, 2017, 313, C405-C420.	2.1	16
25	Negative regulators of angiogenesis: important targets for treatment of exudative AMD. Clinical Science, 2017, 131, 1763-1780.	1.8	47
26	Microglia activation is essential for BMP7-mediated retinal reactive gliosis. Journal of Neuroinflammation, 2017, 14, 76.	3.1	26
27	Bim expression in endothelial cells and pericytes is essential for regression of the fetal ocular vasculature. PLoS ONE, 2017, 12, e0178198.	1.1	18
28	Vitamin D receptor expression is essential during retinal vascular development and attenuation of neovascularization by 1, 25(OH)2D3. PLoS ONE, 2017, 12, e0190131.	1.1	29
29	High glucose promotes the migration of retinal pigment epithelial cells through increased oxidative stress and PEDF expression. American Journal of Physiology - Cell Physiology, 2016, 311, C418-C436.	2.1	51
30	Functional role of inorganic trace elements in angiogenesis part III: (Ti, Li, Ce, As, Hg, Va, Nb and Pb). Critical Reviews in Oncology/Hematology, 2016, 98, 290-301.	2.0	51
31	Quantitative Assessment of Retinopathy Using Multi-parameter Image Analysis. Journal of Medical Signals and Sensors, 2016, 6, 71-80.	0.5	3
32	PECAM-1 isoforms, eNOS and endoglin axis in regulation of angiogenesis. Clinical Science, 2015, 129, 217-234.	1.8	76
33	Role of Angiogenesis in Endodontics: Contributions of Stem Cells and Proangiogenic and Antiangiogenic Factors to Dental Pulp Regeneration. Journal of Endodontics, 2015, 41, 797-803.	1.4	92
34	Functional role of inorganic trace elements in angiogenesisâ€"Part I: N, Fe, Se, P, Au, and Ca. Critical Reviews in Oncology/Hematology, 2015, 96, 129-142.	2.0	72
35	Functional role of inorganic trace elements in angiogenesisâ€"Part II: Cr, Si, Zn, Cu, and S. Critical Reviews in Oncology/Hematology, 2015, 96, 143-155.	2.0	109
36	Thrombospondin-2 Expression During Retinal Vascular Development and Neovascularization. Journal of Ocular Pharmacology and Therapeutics, 2015, 31, 429-444.	0.6	7

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37	Thrombospondin-1 (TSP1) Contributes to the Development of Vascular Inflammation by Regulating Monocytic Cell Motility in Mouse Models of Abdominal Aortic Aneurysm. Circulation Research, 2015, 117, 129-141.	2.0	93
38	Endothelium Expression of Bcl-2 Is Essential for Normal and Pathological Ocular Vascularization. PLoS ONE, 2015, 10, e0139994.	1.1	12
39	Optical cryoimaging of mitochondrial redox state in bronchopulmonary-dysplasia injury models in mice lungs. Quantitative Imaging in Medicine and Surgery, 2015, 5, 159-62.	1.1	7
40	Cytochrome P450 1B1 and primary congenital glaucoma. Journal of Ophthalmic and Vision Research, 2015, 10, 60.	0.7	52
41	High Glucose Alters Retinal Astrocytes Phenotype through Increased Production of Inflammatory Cytokines and Oxidative Stress. PLoS ONE, 2014, 9, e103148.	1.1	62
42	Expression of Thrombospondin-1 Modulates the Angioinflammatory Phenotype of Choroidal Endothelial Cells. PLoS ONE, 2014, 9, e116423.	1.1	25
43	Diabetes and retinal vascular dysfunction. Journal of Ophthalmic and Vision Research, 2014, 9, 362-73.	0.7	129
44	Bone morphogenetic protein 7 regulates reactive gliosis in retinal astrocytes and MÃ¼ller glia. Molecular Vision, 2014, 20, 1085-108.	1.1	17
45	Modulation of Vascular Cell Function by Bim Expression. International Journal of Cell Biology, 2013, 2013, 1-15.	1.0	11
46	Thrombospondin-1 Deficiency Exacerbates the Pathogenesis of Diabetic Retinopathy. Journal of Diabetes & Metabolism, 2013, Suppl 12, .	0.2	26
47	BIM deficiency differentially impacts the function of kidney endothelial and epithelial cells through modulation of their local microenvironment. American Journal of Physiology - Renal Physiology, 2012, 302, F809-F819.	1.3	11
48	Bim is responsible for the inherent sensitivity of the developing retinal vasculature to hyperoxia. Developmental Biology, 2011, 349, 296-309.	0.9	32
49	Opposing effects of bim and bcl-2 on lung endothelial cell migration. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 299, L607-L620.	1.3	24
50	Attenuation of retinal endothelial cell migration and capillary morphogenesis in the absence of bcl-2. American Journal of Physiology - Cell Physiology, 2008, 294, C1521-C1530.	2.1	24
51	Bclâ€2 Regulates Endothelial Cell Migration and Capillary Morphogenesis. FASEB Journal, 2008, 22, 746.1.	0.2	0
52	PECAM-1 isoform-specific regulation of kidney endothelial cell migration and capillary morphogenesis. American Journal of Physiology - Cell Physiology, 2007, 292, C2070-C2083.	2.1	51
53	Isolation and characterization of corneal endothelial cells from wild type and thrombospondin-1 deficient mice. Molecular Vision, 2007, 13, 1483-95.	1.1	24
54	Isolation and characterization of murine retinal astrocytes. Molecular Vision, 2005, 11, 613-24.	1.1	40

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55	Alterations in cell-adhesive and migratory properties of proximal tubule and collecting duct cells from bcl-2 â^'/â^' mice. American Journal of Physiology - Renal Physiology, 2004, 287, F1154-F1163.	1.3	25
56	Thrombospondin-1-deficient mice exhibit increased vascular density during retinal vascular development and are less sensitive to hyperoxia-mediated vessel obliteration. Developmental Dynamics, 2003, 228, 630-642.	0.8	124