

Christine M Sorenson

List of Publications by Year in descending order

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56
papers

1,675
citations

279798
23
h-index

302126
39
g-index

56
all docs

56
docs citations

56
times ranked

2739
citing authors

#	ARTICLE	IF	CITATIONS
1	Diabetes and retinal vascular dysfunction. Journal of Ophthalmic and Vision Research, 2014, 9, 362-73.	1.0	129
2	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.	1.8	124
3	Functional role of inorganic trace elements in angiogenesis Part II: Cr, Si, Zn, Cu, and S. Critical Reviews in Oncology/Hematology, 2015, 96, 143-155.	4.4	109
4	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.	4.5	93
5	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.	3.1	92
6	PECAM-1 isoforms, eNOS and endoglin axis in regulation of angiogenesis. Clinical Science, 2015, 129, 217-234.	4.3	76
7	Functional role of inorganic trace elements in angiogenesis Part I: N, Fe, Se, P, Au, and Ca. Critical Reviews in Oncology/Hematology, 2015, 96, 129-142.	4.4	72
8	High Glucose Alters Retinal Astrocytes Phenotype through Increased Production of Inflammatory Cytokines and Oxidative Stress. PLoS ONE, 2014, 9, e103148.	2.5	62
9	Vitamin D and regulation of vascular cell function. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H753-H765.	3.2	57
10	Cytochrome P450 1B1 and primary congenital glaucoma. Journal of Ophthalmic and Vision Research, 2015, 10, 60.	1.0	52
11	PECAM-1 isoform-specific regulation of kidney endothelial cell migration and capillary morphogenesis. American Journal of Physiology - Cell Physiology, 2007, 292, C2070-C2083.	4.6	51
12	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.	4.6	51
13	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.	4.4	51
14	Negative regulators of angiogenesis: important targets for treatment of exudative AMD. Clinical Science, 2017, 131, 1763-1780.	4.3	47
15	Isolation and characterization of murine retinal astrocytes. Molecular Vision, 2005, 11, 613-24.	1.1	40
16	Bim is responsible for the inherent sensitivity of the developing retinal vasculature to hyperoxia. Developmental Biology, 2011, 349, 296-309.	2.0	32
17	Vitamin D receptor expression is essential during retinal vascular development and attenuation of neovascularization by 1, 25(OH)2D3. PLoS ONE, 2017, 12, e0190131.	2.5	29
18	Microglia activation is essential for BMP7-mediated retinal reactive gliosis. Journal of Neuroinflammation, 2017, 14, 76.	7.2	26

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19	Thrombospondin-1 Deficiency Exacerbates the Pathogenesis of Diabetic Retinopathy. Journal of Diabetes & Metabolism, 2013, Suppl 12, .	0.2	26
20	Alterations in cell-adhesive and migratory properties of proximal tubule and collecting duct cells from bcl-2 $\alpha^{\sim}/\alpha^{\sim}$ mice. American Journal of Physiology - Renal Physiology, 2004, 287, F1154-F1163.	2.7	25
21	Expression of Thrombospondin-1 Modulates the Angioinflammatory Phenotype of Choroidal Endothelial Cells. PLoS ONE, 2014, 9, e116423.	2.5	25
22	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.	4.6	24
23	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.	2.9	24
24	Novel anti-angiogenic PEDF-derived small peptides mitigate choroidal neovascularization. Experimental Eye Research, 2019, 188, 107798.	2.6	24
25	Isolation and characterization of corneal endothelial cells from wild type and thrombospondin-1 deficient mice. Molecular Vision, 2007, 13, 1483-95.	1.1	24
26	PEDF expression affects the oxidative and inflammatory state of choroidal endothelial cells. American Journal of Physiology - Cell Physiology, 2018, 314, C456-C472.	4.6	23
27	1,25(OH) D_{3} regulates the proangiogenic activity of pericyte through VDR-mediated modulation of VEGF production and signaling of VEGF and PDGF receptors. FASEB BioAdvances, 2019, 1, 415-434.	2.4	20
28	Cyp1b1 expression impacts the angiogenic and inflammatory properties of liver sinusoidal endothelial cells. PLoS ONE, 2018, 13, e0206756.	2.5	19
29	Bim expression in endothelial cells and pericytes is essential for regression of the fetal ocular vasculature. PLoS ONE, 2017, 12, e0178198.	2.5	18
30	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.	4.6	18
31	Bone morphogenetic protein 7 regulates reactive gliosis in retinal astrocytes and Müller glia. Molecular Vision, 2014, 20, 1085-108.	1.1	17
32	PEDF expression affects retinal endothelial cell proangiogenic properties through alterations in cell adhesive mechanisms. American Journal of Physiology - Cell Physiology, 2017, 313, C405-C420.	4.6	16
33	Mice dental pulp and periodontal ligament endothelial cells exhibit different proangiogenic properties. Tissue and Cell, 2018, 50, 31-36.	2.2	15
34	Bcl-2 Expression in Pericytes and Astrocytes Impacts Vascular Development and Homeostasis. Scientific Reports, 2019, 9, 9700.	3.3	15
35	Attenuation of Retinal Vascular Development in Neonatal Mice Subjected to Hypoxic-Ischemic Encephalopathy. Scientific Reports, 2018, 8, 9166.	3.3	13
36	Endothelium Expression of Bcl-2 Is Essential for Normal and Pathological Ocular Vascularization. PLoS ONE, 2015, 10, e0139994.	2.5	12

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37	BIM deficiency differentially impacts the function of kidney endothelial and epithelial cells through modulation of their local microenvironment. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F809-F819.	2.7	11
38	Modulation of Vascular Cell Function by Bim Expression. <i>International Journal of Cell Biology</i> , 2013, 2013, 1-15.	2.5	11
39	Extended Intravitreal Rabbit Eye Residence of Nanoparticles Conjugated With Cationic Arginine Peptides for Intraocular Drug Delivery: In Vivo Imaging. , 2018, 59, 4071.		11
40	Retinal astrocytes transcriptome reveals Cyp1b1 regulates the expression of genes involved in cell adhesion and migration. <i>PLoS ONE</i> , 2020, 15, e0231752.	2.5	10
41	Tunicamycin-induced photoreceptor atrophy precedes degeneration of retinal capillaries with minimal effects on retinal ganglion and pigment epithelium cells. <i>Experimental Eye Research</i> , 2019, 187, 107756.	2.6	9
42	Inhibition of retinal neovascularization by a PEDF-derived nonapeptide in newborn mice subjected to oxygen-induced ischemic retinopathy. <i>Experimental Eye Research</i> , 2020, 195, 108030.	2.6	9
43	Targeted Thrombospondin-1 Expression in Ocular Vascular Development and Neovascularization. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 671989.	3.7	8
44	Thrombospondin-2 Expression During Retinal Vascular Development and Neovascularization. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2015, 31, 429-444.	1.4	7
45	Optical cryoimaging of mitochondrial redox state in bronchopulmonary-dysplasia injury models in mice lungs. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 159-62.	2.0	7
46	CYP1B1: A key regulator of redox homeostasis. <i>Trends in Cell & Molecular Biology</i> , 2018, 13, 27-45.	0.5	7
47	Caffeine Inhibits Choroidal Neovascularization Through Mitigation of Inflammatory and Angiogenesis Activities. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 737426.	3.7	6
48	Bcl-2 expression is essential for development and normal physiological properties of tooth hard tissue and saliva production. <i>Experimental Cell Research</i> , 2017, 358, 94-100.	2.6	5
49	Hypoxic ischemic injury causes functional and structural neurovascular degeneration in the juvenile mouse retina. <i>Scientific Reports</i> , 2021, 11, 12670.	3.3	5
50	Targeted deletion of Cyp1b1 in pericytes results in attenuation of retinal neovascularization and trabecular meshwork dysgenesis. <i>Trends in Developmental Biology</i> , 2019, 12, 1-12.	1.0	5
51	Quantitative Assessment of Retinopathy Using Multi-parameter Image Analysis. <i>Journal of Medical Signals and Sensors</i> , 2016, 6, 71-80.	1.0	3
52	7, 8-Dihydroxyflavone, a TrkB receptor agonist, provides minimal protection against retinal vascular damage during oxygen-induced ischemic retinopathy. <i>PLoS ONE</i> , 2021, 16, e0260793.	2.5	3
53	Bim Expression Promotes the Clearance of Mononuclear Phagocytes during Choroidal Neovascularization, Mitigating Scar Formation in Mice. <i>Life</i> , 2022, 12, 208.	2.4	3
54	Temporal diabetes-induced biochemical changes in distinctive layers of mouse retina. <i>Scientific Reports</i> , 2018, 8, 1096.	3.3	2

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55	Bim expression modulates the pro-inflammatory phenotype of retinal astroglial cells. PLoS ONE, 2020, 15, e0232779.	2.5	2
56	Bcl-2 Regulates Endothelial Cell Migration and Capillary Morphogenesis. FASEB Journal, 2008, 22, 746.1.	0.5	0