

Christine M Sorenson

List of Publications by Year in descending order

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Version: 2024-02-01

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	Diabetes and retinal vascular dysfunction. <i>Journal of Ophthalmic and Vision Research</i> , 2014, 9, 362-73.	0.7	129
2	Thrombospondin-1-deficient mice exhibit increased vascular density during retinal vascular development and are less sensitive to hyperoxia-mediated vessel obliteration. <i>Developmental Dynamics</i> , 2003, 228, 630-642.	0.8	124
3	Functional role of inorganic trace elements in angiogenesisâ€™Part II: Cr, Si, Zn, Cu, and S. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 96, 143-155.	2.0	109
4	Thrombospondin-1 (TSP1) Contributes to the Development of Vascular Inflammation by Regulating Monocytic Cell Motility in Mouse Models of Abdominal Aortic Aneurysm. <i>Circulation Research</i> , 2015, 117, 129-141.	2.0	93
5	Role of Angiogenesis in Endodontics: Contributions of Stem Cells and Proangiogenic and Antiangiogenic Factors to Dental Pulp Regeneration. <i>Journal of Endodontics</i> , 2015, 41, 797-803.	1.4	92
6	PECAM-1 isoforms, eNOS and endoglin axis in regulation of angiogenesis. <i>Clinical Science</i> , 2015, 129, 217-234.	1.8	76
7	Functional role of inorganic trace elements in angiogenesisâ€™Part I: N, Fe, Se, P, Au, and Ca. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 96, 129-142.	2.0	72
8	High Glucose Alters Retinal Astrocytes Phenotype through Increased Production of Inflammatory Cytokines and Oxidative Stress. <i>PLoS ONE</i> , 2014, 9, e103148.	1.1	62
9	Vitamin D and regulation of vascular cell function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H753-H765.	1.5	57
10	Cytochrome P450 1B1 and primary congenital glaucoma. <i>Journal of Ophthalmic and Vision Research</i> , 2015, 10, 60.	0.7	52
11	PECAM-1 isoform-specific regulation of kidney endothelial cell migration and capillary morphogenesis. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C2070-C2083.	2.1	51
12	High glucose promotes the migration of retinal pigment epithelial cells through increased oxidative stress and PEDF expression. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C418-C436.	2.1	51
13	Functional role of inorganic trace elements in angiogenesis part III: (Ti, Li, Ce, As, Hg, Va, Nb and Pb). <i>Critical Reviews in Oncology/Hematology</i> , 2016, 98, 290-301.	2.0	51
14	Negative regulators of angiogenesis: important targets for treatment of exudative AMD. <i>Clinical Science</i> , 2017, 131, 1763-1780.	1.8	47
15	Isolation and characterization of murine retinal astrocytes. <i>Molecular Vision</i> , 2005, 11, 613-24.	1.1	40
16	Bim is responsible for the inherent sensitivity of the developing retinal vasculature to hyperoxia. <i>Developmental Biology</i> , 2011, 349, 296-309.	0.9	32
17	Vitamin D receptor expression is essential during retinal vascular development and attenuation of neovascularization by 1, 25(OH)2D3. <i>PLoS ONE</i> , 2017, 12, e0190131.	1.1	29
18	Microglia activation is essential for BMP7-mediated retinal reactive gliosis. <i>Journal of Neuroinflammation</i> , 2017, 14, 76.	3.1	26

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19	Thrombospondin-1 Deficiency Exacerbates the Pathogenesis of Diabetic Retinopathy. <i>Journal of Diabetes & Metabolism</i> , 2013, Suppl 12, .	0.2	26
20	Alterations in cell-adhesive and migratory properties of proximal tubule and collecting duct cells from bcl-2 ^{-/-} mice. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, F1154-F1163.	1.3	25
21	Expression of Thrombospondin-1 Modulates the Angioinflammatory Phenotype of Choroidal Endothelial Cells. <i>PLoS ONE</i> , 2014, 9, e116423.	1.1	25
22	Attenuation of retinal endothelial cell migration and capillary morphogenesis in the absence of bcl-2. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C1521-C1530.	2.1	24
23	Opposing effects of bim and bcl-2 on lung endothelial cell migration. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 299, L607-L620.	1.3	24
24	Novel anti-angiogenic PEDF-derived small peptides mitigate choroidal neovascularization. <i>Experimental Eye Research</i> , 2019, 188, 107798.	1.2	24
25	Isolation and characterization of corneal endothelial cells from wild type and thrombospondin-1 deficient mice. <i>Molecular Vision</i> , 2007, 13, 1483-95.	1.1	24
26	PEDF expression affects the oxidative and inflammatory state of choroidal endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 314, C456-C472.	2.1	23
27	1,25(OH) ₂ D ₃ regulates the proangiogenic activity of pericyte through VDR-mediated modulation of VEGF production and signaling of VEGF and PDGF receptors. <i>FASEB BioAdvances</i> , 2019, 1, 415-434.	1.3	20
28	Cyp1b1 expression impacts the angiogenic and inflammatory properties of liver sinusoidal endothelial cells. <i>PLoS ONE</i> , 2018, 13, e0206756.	1.1	19
29	Bim expression in endothelial cells and pericytes is essential for regression of the fetal ocular vasculature. <i>PLoS ONE</i> , 2017, 12, e0178198.	1.1	18
30	Cyp1b1-deficient retinal astrocytes are more proliferative and migratory and are protected from oxidative stress and inflammation. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C767-C781.	2.1	18
31	Bone morphogenetic protein 7 regulates reactive gliosis in retinal astrocytes and Müller glia. <i>Molecular Vision</i> , 2014, 20, 1085-108.	1.1	17
32	PEDF expression affects retinal endothelial cell proangiogenic properties through alterations in cell adhesive mechanisms. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C405-C420.	2.1	16
33	Mice dental pulp and periodontal ligament endothelial cells exhibit different proangiogenic properties. <i>Tissue and Cell</i> , 2018, 50, 31-36.	1.0	15
34	Bcl-2 Expression in Pericytes and Astrocytes Impacts Vascular Development and Homeostasis. <i>Scientific Reports</i> , 2019, 9, 9700.	1.6	15
35	Attenuation of Retinal Vascular Development in Neonatal Mice Subjected to Hypoxic-Ischemic Encephalopathy. <i>Scientific Reports</i> , 2018, 8, 9166.	1.6	13
36	Endothelium Expression of Bcl-2 Is Essential for Normal and Pathological Ocular Vascularization. <i>PLoS ONE</i> , 2015, 10, e0139994.	1.1	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.	1.3	11
38	Modulation of Vascular Cell Function by Bim Expression. <i>International Journal of Cell Biology</i> , 2013, 2013, 1-15.	1.0	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.	1.1	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.	1.2	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.	1.2	9
43	Targeted Thrombospondin-1 Expression in Ocular Vascular Development and Neovascularization. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 671989.	1.8	8
44	Thrombospondin-2 Expression During Retinal Vascular Development and Neovascularization. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2015, 31, 429-444.	0.6	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.	1.1	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.	1.8	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.	1.2	5
49	Hypoxic ischemic injury causes functional and structural neurovascular degeneration in the juvenile mouse retina. <i>Scientific Reports</i> , 2021, 11, 12670.	1.6	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.	0.5	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.	1.1	3
53	Bim Expression Promotes the Clearance of Mononuclear Phagocytes during Choroidal Neovascularization, Mitigating Scar Formation in Mice. <i>Life</i> , 2022, 12, 208.	1.1	3
54	Temporal diabetes-induced biochemical changes in distinctive layers of mouse retina. <i>Scientific Reports</i> , 2018, 8, 1096.	1.6	2

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55	Bim expression modulates the pro-inflammatory phenotype of retinal astroglial cells. PLoS ONE, 2020, 15, e0232779.	1.1	2
56	Bcl-2 Regulates Endothelial Cell Migration and Capillary Morphogenesis. FASEB Journal, 2008, 22, 746.1.	0.2	0