

Sarah X Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

3,492
citations

159585

30
h-index

149698

56
g-index

63
all docs

63
docs citations

63
times ranked

4398
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging roles of circular RNAs in retinal diseases. <i>Neural Regeneration Research</i> , 2022, 17, 1875.	3.0	7
2	Cellular stress signaling and the unfolded protein response in retinal degeneration: mechanisms and therapeutic implications. <i>Molecular Neurodegeneration</i> , 2022, 17, 25.	10.8	26
3	AMD Genomics: Non-Coding RNAs as Biomarkers and Therapeutic Targets. <i>Journal of Clinical Medicine</i> , 2022, 11, 1484.	2.4	8
4	Activation of ATF4 triggers trabecular meshwork cell dysfunction and apoptosis in POAG. <i>Aging</i> , 2021, 13, 8628-8642.	3.1	21
5	Endothelium-specific deletion of Nox4 delays retinal vascular development and mitigates pathological angiogenesis. <i>Angiogenesis</i> , 2020, 24, 363-377.	7.2	17
6	Loss of XBP1 Leads to Early-Onset Retinal Neurodegeneration in a Mouse Model of Type I Diabetes. <i>Journal of Clinical Medicine</i> , 2019, 8, 906.	2.4	16
7	Serum pigment epithelium-derived factor: Relationships with cardiovascular events, renal dysfunction, and mortality in the Veterans Affairs Diabetes Trial (VADT) cohort. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 107410.	2.3	4
8	Loss of X-box binding protein 1 in Müller cells augments retinal inflammation in a mouse model of diabetes. <i>Diabetologia</i> , 2019, 62, 531-543.	6.3	28
9	Loss of XBP1 accelerates age-related decline in retinal function and neurodegeneration. <i>Molecular Neurodegeneration</i> , 2018, 13, 16.	10.8	34
10	Molecular Chaperone ERp29: A Potential Target for Cellular Protection in Retinal and Neurodegenerative Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1074, 421-427.	1.6	21
11	Reduction of Endoplasmic Reticulum Stress Improves Angiogenic Progenitor Cell function in a Mouse Model of Type 1 Diabetes. <i>Cell Death and Disease</i> , 2018, 9, 467.	6.3	9
12	Regulation of Nrf2 by X Box-Binding Protein 1 in Retinal Pigment Epithelium. <i>Frontiers in Genetics</i> , 2018, 9, 658.	2.3	17
13	The unfolded protein response signaling and retinal Müller cell metabolism. <i>Neural Regeneration Research</i> , 2018, 13, 1861.	3.0	15
14	Comparative Proteomic Analysis of the Mitochondria-associated ER Membrane (MAM) in a Long-term Type 2 Diabetic Rodent Model. <i>Scientific Reports</i> , 2017, 7, 2062.	3.3	63
15	The Role of IRE-XBP1 Pathway in Regulation of Retinal Pigment Epithelium Tight Junctions. , 2016, 57, 5244.		30
16	p58IPK suppresses NLRP3 inflammasome activation and IL-1 β production via inhibition of PKR in macrophages. <i>Scientific Reports</i> , 2016, 6, 25013.	3.3	34
17	Erp29 Attenuates Cigarette Smoke Extract-Induced Endoplasmic Reticulum Stress and Mitigates Tight Junction Damage in Retinal Pigment Epithelial Cells. , 2015, 56, 6196.		29
18	NADPH Oxidase 4-Derived H ₂ O ₂ Promotes Aberrant Retinal Neovascularization via Activation of VEGF Receptor 2 Pathway in Oxygen-Induced Retinopathy. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-13.	2.3	42

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19	Activation of the UPR Protects against Cigarette Smoke-induced RPE Apoptosis through Up-Regulation of Nrf2. <i>Journal of Biological Chemistry</i> , 2015, 290, 5367-5380.	3.4	63
20	ATF4 is a novel regulator of MCP-1 in microvascular endothelial cells. <i>Journal of Inflammation</i> , 2015, 12, 31.	3.4	44
21	Influence of diabetes on ambulation and inflammation in men and women with symptomatic peripheral artery disease. <i>Journal of Clinical and Translational Endocrinology</i> , 2015, 2, 137-143.	1.4	6
22	Identification of p58IPK as a Novel Neuroprotective Factor for Retinal Neurons. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1374-1386.	3.3	20
23	The unfolded protein response in retinal vascular diseases: Implications and therapeutic potential beyond protein folding. <i>Progress in Retinal and Eye Research</i> , 2015, 45, 111-131.	15.5	61
24	Enhanced endoplasmic reticulum stress in bone marrow angiogenic progenitor cells in a mouse model of long-term experimental type 2 diabetes. <i>Diabetologia</i> , 2015, 58, 2181-2190.	6.3	30
25	Deficiency of CC chemokine ligand 2 and decay-accelerating factor causes retinal degeneration in mice. <i>Experimental Eye Research</i> , 2015, 138, 126-133.	2.6	22
26	Elevated plasma pigment epithelium-derived factor in children with type 2 diabetes mellitus is attributable to obesity. <i>Pediatric Diabetes</i> , 2015, 16, 600-605.	2.9	14
27	The neuroprotective potential of endoplasmic reticulum chaperones. <i>Neural Regeneration Research</i> , 2015, 10, 1211.	3.0	5
28	The Unfolded Protein Response and Diabetic Retinopathy. <i>Journal of Diabetes Research</i> , 2014, 2014, 1-14.	2.3	39
29	Endoplasmic reticulum stress and the unfolded protein responses in retinal degeneration. <i>Experimental Eye Research</i> , 2014, 125, 30-40.	2.6	116
30	Role of Unfolded Protein Response Dysregulation in Oxidative Injury of Retinal Pigment Epithelial Cells. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2091-2106.	5.4	56
31	Role of p58IPK in Endoplasmic Reticulum Stress-associated Apoptosis and Inflammation. <i>Journal of Ophthalmic and Vision Research</i> , 2014, 9, 134-43.	1.0	10
32	Signaling Pathways Triggered by Oxidative Stress That Mediate Features of Severe Retinopathy of Prematurity. <i>JAMA Ophthalmology</i> , 2013, 131, 80.	2.5	53
33	Quinotriexin inhibits proliferation of human retinal pigment epithelial cells. <i>Molecular Vision</i> , 2013, 19, 39-46.	1.1	8
34	Activation of Endoplasmic Reticulum Stress by Hyperglycemia Is Essential for Müller Cell-Derived Inflammatory Cytokine Production in Diabetes. <i>Diabetes</i> , 2012, 61, 492-504.	0.6	161
35	ER Stress and Apoptosis: A New Mechanism for Retinal Cell Death. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-11.	3.8	150
36	THE PROTECTIVE EFFECTS OF X-BOX BINDING PROTEIN 1 ON TUMOUR NECROSIS FACTOR-ALPHA INDUCED PRO-INFLAMMATORY RESPONSE. <i>Heart</i> , 2012, 98, E33.3-E34.	2.9	0

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37	ACTIVATION OF NF-E2-RELATED FACTOR 2 BY X-BOX BINDING PROTEIN 1 PROTECTS ENDOTHELIAL CELLS FROM TUMOUR NECROSIS FACTOR- α INDUCED OXIDATIVE STRESS. <i>Heart</i> , 2012, 98, E93.2-E93.	2.9	0
38	Pigment epithelium-Derived Factor (PEDF) Varies with Body Composition and Insulin Resistance in Healthy Young People. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E2114-E2118.	3.6	18
39	X-Box Binding Protein 1 Is Essential for the Anti-Oxidant Defense and Cell Survival in the Retinal Pigment Epithelium. <i>PLoS ONE</i> , 2012, 7, e38616.	2.5	54
40	Intermittent But Not Constant High Glucose Induces ER Stress and Inflammation in Human Retinal Pericytes. <i>Advances in Experimental Medicine and Biology</i> , 2012, 723, 285-292.	1.6	44
41	Macrophage Metalloelastase (MMP-12) Deficiency Mitigates Retinal Inflammation and Pathological Angiogenesis in Ischemic Retinopathy. <i>PLoS ONE</i> , 2012, 7, e52699.	2.5	30
42	Endoplasmic reticulum stress and inflammation: mechanisms and implications in diabetic retinopathy. <i>Journal of Ocular Biology, Diseases, and Informatics</i> , 2011, 4, 51-61.	0.2	21
43	Preconditioning with Endoplasmic Reticulum Stress Mitigates Retinal Endothelial Inflammation via Activation of X-box Binding Protein 1. <i>Journal of Biological Chemistry</i> , 2011, 286, 4912-4921.	3.4	107
44	Inhibition of Reactive Oxygen Species by Lovastatin Downregulates Vascular Endothelial Growth Factor Expression and Ameliorates Blood-Retinal Barrier Breakdown in <i>db/db</i> Mice. <i>Diabetes</i> , 2010, 59, 1528-1538.	0.6	183
45	Pigment epithelium-derived factor suppresses adipogenesis via inhibition of the MAPK/ERK pathway in 3T3-L1 preadipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E1378-E1387.	3.5	66
46	Endoplasmic reticulum stress is implicated in retinal inflammation and diabetic retinopathy. <i>FEBS Letters</i> , 2009, 583, 1521-1527.	2.8	189
47	Systemic administration of HMG-CoA reductase inhibitor protects the blood-retinal barrier and ameliorates retinal inflammation in type 2 diabetes. <i>Experimental Eye Research</i> , 2009, 89, 71-78.	2.6	66
48	Increased serum pigment epithelium derived factor levels in Type 2 diabetes patients. <i>Diabetes Research and Clinical Practice</i> , 2008, 82, e5-e7.	2.8	68
49	Pigment epithelium-derived factor mitigates inflammation and oxidative stress in retinal pericytes exposed to oxidized low-density lipoprotein. <i>Journal of Molecular Endocrinology</i> , 2008, 41, 135-143.	2.5	65
50	Anti-inflammatory effects of pigment epithelium-derived factor in diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F1166-F1173.	2.7	69
51	Ocular neovascularization: Implication of endogenous angiogenic inhibitors and potential therapy. <i>Progress in Retinal and Eye Research</i> , 2007, 26, 1-37.	15.5	188
52	Salutary Effect of Pigment Epithelium-Derived Factor in Diabetic Nephropathy. <i>Diabetes</i> , 2006, 55, 1678-1685.	0.6	84
53	Pigment epithelium-derived factor downregulates vascular endothelial growth factor (VEGF) expression and inhibits VEGF receptor 2 binding in diabetic retinopathy. <i>Journal of Molecular Endocrinology</i> , 2006, 37, 1-12.	2.5	238
54	Pigment epithelium-derived factor (PEDF) is an endogenous antiinflammatory factor. <i>FASEB Journal</i> , 2006, 20, 323-325.	0.5	276

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55	Therapeutic Potential of Angiostatin in Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2006, 17, 475-486.	6.1	60
56	Deletion of Smooth Muscle α -Actin Alters Blood-Retina Barrier Permeability and Retinal Function. , 2006, 47, 2693.		33
57	Endogenous Angiogenic Inhibitors in Diabetic Retinopathy. , 2006, , 23-44.		1
58	Down-Regulation of Angiogenic Inhibitors: A Potential Pathogenic Mechanism for Diabetic Complications. Current Diabetes Reviews, 2005, 1, 183-196.	1.3	17
59	Decreased Expression of Pigment Epithelium-Derived Factor Is Involved in the Pathogenesis of Diabetic Nephropathy. Diabetes, 2005, 54, 243-250.	0.6	79
60	Systemic and Periocular Deliveries of Plasminogen Kringle 5 Reduce Vascular Leakage in Rat Models of Oxygen-Induced Retinopathy and Diabetes. Current Eye Research, 2005, 30, 681-689.	1.5	19
61	Genetic Difference in Susceptibility to the Blood-Retina Barrier Breakdown in Diabetes and Oxygen-Induced Retinopathy. American Journal of Pathology, 2005, 166, 313-321.	3.8	92
62	Suppression of Corneal Neovascularization by PEDF Release from Human Amniotic Membranes. , 2004, 45, 1758.		102
63	The effect of angiostatin on vascular leakage and VEGF expression in rat retina. FEBS Letters, 2004, 564, 19-23.	2.8	44