Joshua J Wang

List of Publications by Year
in descending order

45 papers	2,796 citations	201674 27 h-index	254184 43 g-index
45 all docs	45 docs citations	45 times ranked	3692 citing authors

#	Article	IF	Citations
1	Pigment epitheliumâ€derived factor (PEDF) is an endogenous antiinflammatory factor. FASEB Journal, 2006, 20, 323-325.	0.5	276
2	Pigment epithelium-derived factor downregulates vascular endothelial growth factor (VEGF) expression and inhibits VEGFâ€“VEGF receptor 2 binding in diabetic retinopathy. Journal of Molecular Endocrinology, 2006, 37, 1-12.	2.5	238
3	Endoplasmic reticulum stress is implicated in retinal inflammation and diabetic retinopathy. FEBS Letters, 2009, 583, 1521-1527.	2.8	189
4	Inhibition of Reactive Oxygen Species by Lovastatin Downregulates Vascular Endothelial Growth Factor Expression and Ameliorates Blood-Retinal Barrier Breakdown in db/db Mice. Diabetes, 2010, 59, 1528-1538.	0.6	183
5	Activation of Endoplasmic Reticulum Stress by Hyperglycemia Is Essential for MÃ¼ller Cellâ€“Derived Inflammatory Cytokine Production in Diabetes. Diabetes, 2012, 61, 492-504.	0.6	161
6	ER Stress and Apoptosis: A New Mechanism for Retinal Cell Death. Experimental Diabetes Research, 2012, 2012, 1-11.	3.8	150
7	Endoplasmic reticulum stress and the unfolded protein responses in retinal degeneration. Experimental Eye Research, 2014, 125, 30-40.	2.6	116
8	Preconditioning with Endoplasmic Reticulum Stress Mitigates Retinal Endothelial Inflammation via Activation of X-box Binding Protein 1. Journal of Biological Chemistry, 2011, 286, 4912-4921.	3.4	107
9	Salutary Effect of Pigment Epitheliumâ€“Derived Factor in Diabetic Nephropathy. Diabetes, 2006, 55, 1678-1685.	0.6	84
10	Decreased Expression of Pigment Epithelium-Derived Factor Is Involved in the Pathogenesis of Diabetic Nephropathy. Diabetes, 2005, 54, 243-250.	0.6	79
11	Anti-inflammatory effects of pigment epithelium-derived factor in diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2008, 294, F1166-F1173.	2.7	69
12	Pigment epithelium-derived factor suppresses adipogenesis via inhibition of the MAPK/ERK pathway in 3T3-L1 preadipocytes. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1378-E1387.	3.5	66
13	Systemic administration of HMG-CoA reductase inhibitor protects the bloodâ€“retinal barrier and ameliorates retinal inflammation in type 2 diabetes. Experimental Eye Research, 2009, 89, 71-78.	2.6	66
14	Pigment epithelium-derived factor mitigates inflammation and oxidative stress in retinal pericytes exposed to oxidized low-density lipoprotein. Journal of Molecular Endocrinology, 2008, 41, 135-143.	2.5	65
15	Activation of the UPR Protects against Cigarette Smoke-induced RPE Apoptosis through Up-Regulation of Nrf2. Journal of Biological Chemistry, 2015, 290, 5367-5380.	3.4	63
16	Comparative Proteomic Analysis of the Mitochondria-associated ER Membrane (MAM) in a Long-term Type 2 Diabetic Rodent Model. Scientific Reports, 2017, 7, 2062.	3.3	63
17	The unfolded protein response in retinal vascular diseases: Implications and therapeutic potential beyond protein folding. Progress in Retinal and Eye Research, 2015, 45, 111-131.	15.5	61
18	Therapeutic Potential of Angiostatin in Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2006, 17, 475-486.	6.1	60

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19	Role of Unfolded Protein Response Dysregulation in Oxidative Injury of Retinal Pigment Epithelial Cells. Antioxidants and Redox Signaling, 2014, 20, 2091-2106.	5.4	56
20	X-Box Binding Protein 1 Is Essential for the Anti-Oxidant Defense and Cell Survival in the Retinal Pigment Epithelium. PLoS ONE, 2012, 7, e38616.	2.5	54
21	ATF4 is a novel regulator of MCP-1 in microvascular endothelial cells. Journal of Inflammation, 2015, 12, 31.	3.4	44
22	Intermittent But Not Constant High Glucose Induces ER Stress and Inflammation in Human Retinal Pericytes. Advances in Experimental Medicine and Biology, 2012, 723, 285-292.	1.6	44
23	NADPH Oxidase 4-Derived H₂O₂Promotes Aberrant Retinal Neovascularization via Activation of VEGF Receptor 2 Pathway in Oxygen-Induced Retinopathy. Journal of Diabetes Research, 2015, 2015, 1-13.	2.3	42
24	p58IPK suppresses NLRP3 inflammasome activation and IL-1Î² production via inhibition of PKR in macrophages. Scientific Reports, 2016, 6, 25013.	3.3	34
25	Loss of XBP1 accelerates age-related decline in retinal function and neurodegeneration. Molecular Neurodegeneration, 2018, 13, 16.	10.8	34
26	Enhanced endoplasmic reticulum stress in bone marrow angiogenic progenitor cells in a mouse model of long-term experimental type 2 diabetes. Diabetologia, 2015, 58, 2181-2190.	6.3	30
27	The Role of IRE-XBP1 Pathway in Regulation of Retinal Pigment Epithelium Tight Junctions. , 2016, 57, 5244.		30
28	Macrophage Metalloelastase (MMP-12) Deficiency Mitigates Retinal Inflammation and Pathological Angiogenesis in Ischemic Retinopathy. PLoS ONE, 2012, 7, e52699.	2.5	30
29	Erp29 Attenuates Cigarette Smoke Extractâ€“Induced Endoplasmic Reticulum Stress and Mitigates Tight Junction Damage in Retinal Pigment Epithelial Cells. , 2015, 56, 6196.		29
30	Loss of X-box binding protein 1 in MÃ¼ller cells augments retinal inflammation in a mouse model of diabetes. Diabetologia, 2019, 62, 531-543.	6.3	28
31	Cellular stress signaling and the unfolded protein response in retinal degeneration: mechanisms and therapeutic implications. Molecular Neurodegeneration, 2022, 17, 25.	10.8	26
32	Endoplasmic reticulum stress and inflammation: mechanisms and implications in diabetic retinopathy. Journal of Ocular Biology, Diseases, and Informatics, 2011, 4, 51-61.	0.2	21
33	Molecular Chaperone ERp29: A Potential Target for Cellular Protection in Retinal and Neurodegenerative Diseases. Advances in Experimental Medicine and Biology, 2018, 1074, 421-427.	1.6	21
34	Identification of p58IPK as a Novel Neuroprotective Factor for Retinal Neurons. Investigative Ophthalmology and Visual Science, 2015, 56, 1374-1386.	3.3	20
35	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
36	Pigment epithelium-Derived Factor (PEDF) Varies with Body Composition and Insulin Resistance in Healthy Young People. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E2114-E2118.	3.6	18

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37	Down-Regulation of Angiogenic Inhibitors: A Potential Pathogenic Mechanism for Diabetic Complications. Current Diabetes Reviews, 2005, 1, 183-196.	1.3	17
38	Regulation of Nrf2 by X Box-Binding Protein 1 in Retinal Pigment Epithelium. Frontiers in Genetics, 2018, 9, 658.	2.3	17
39	Endothelium-specific deletion of Nox4 delays retinal vascular development and mitigates pathological angiogenesis. Angiogenesis, 2020, 24, 363-377.	7.2	17
40	Loss of XBP1 Leads to Early-Onset Retinal Neurodegeneration in a Mouse Model of Type I Diabetes. Journal of Clinical Medicine, 2019, 8, 906.	2.4	16
41	The unfolded protein response signaling and retinal MÃ¼ller cell metabolism. Neural Regeneration Research, 2018, 13, 1861.	3.0	15
42	Elevated plasma pigment epithelium-derived factor in children with type 2 diabetes mellitus is attributable to obesity. Pediatric Diabetes, 2015, 16, 600-605.	2.9	14
43	Reduction of Endoplasmic Reticulum Stress Improves Angiogenic Progenitor Cell function in a Mouse Model of Type 1 Diabetes. Cell Death and Disease, 2018, 9, 467.	6.3	9
44	Quinotrierixin inhibits proliferation of human retinal pigment epithelial cells. Molecular Vision, 2013, 19, 39-46.	1.1	8
45	Emerging roles of circular RNAs in retinal diseases. Neural Regeneration Research, 2022, 17, 1875.	3.0	7