

# Guo-Tong Xu

## List of Publications by Citations

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54  
papers

1,234  
citations

17  
h-index

34  
g-index

59  
ext. papers

1,523  
ext. citations

5.4  
avg, IF

3.84  
L-index

#	Paper	IF	Citations
54	Concise reviews: Characteristics and potential applications of human dental tissue-derived mesenchymal stem cells. <i>Stem Cells</i> , <b>2015</b> , 33, 627-38	5.8	214
53	Intravitreal injection of erythropoietin protects both retinal vascular and neuronal cells in early diabetes. <i>Investigative Ophthalmology and Visual Science</i> , <b>2008</b> , 49, 732-42		187
52	ERK- and Akt-dependent neuroprotection by erythropoietin (EPO) against glyoxal-AGEs via modulation of Bcl-xL, Bax, and BAD <b>2010</b> , 51, 35-46		96
51	CARD9 mediates Dectin-1-induced ERK activation by linking Ras-GRF1 to H-Ras for antifungal immunity. <i>Journal of Experimental Medicine</i> , <b>2014</b> , 211, 2307-21	16.6	88
50	Effects of intravitreal erythropoietin therapy for patients with chronic and progressive diabetic macular edema. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , <b>2010</b> , 41, 18-25	1.4	47
49	WNT signaling determines tumorigenicity and function of ESC-derived retinal progenitors. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 1647-61	15.9	44
48	Fullerenol protects retinal pigment epithelial cells from oxidative stress-induced premature senescence via activating SIRT1 <b>2014</b> , 55, 4628-38		40
47	Human adipose-derived stem cells partially rescue the stroke syndromes by promoting spatial learning and memory in mouse middle cerebral artery occlusion model. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 92	8.3	40
46	The glucagon like peptide 1 analogue, exendin-4, attenuates oxidative stress-induced retinal cell death in early diabetic rats through promoting Sirt1 and Sirt3 expression. <i>Experimental Eye Research</i> , <b>2016</b> , 151, 203-11	3.7	36
45	miR-365 promotes diabetic retinopathy through inhibiting Timp3 and increasing oxidative stress. <i>Experimental Eye Research</i> , <b>2018</b> , 168, 89-99	3.7	34
44	Subretinal delivery of AAV2-mediated human erythropoietin gene is protective and safe in experimental diabetic retinopathy <b>2014</b> , 55, 1519-30		30
43	Erythropoietin exerts a neuroprotective function against glutamate neurotoxicity in experimental diabetic retina. <i>Investigative Ophthalmology and Visual Science</i> , <b>2014</b> , 55, 8208-22		28
42	The second-generation ALK inhibitor alectinib effectively induces apoptosis in human neuroblastoma cells and inhibits tumor growth in a TH-MYCN transgenic neuroblastoma mouse model. <i>Cancer Letters</i> , <b>2017</b> , 400, 61-68	9.9	25
41	Suppression of retinal neovascularization by the iNOS inhibitor aminoguanidine in mice of oxygen-induced retinopathy. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2009</b> , 247, 919-27	3.8	24
40	Pharmacokinetic and toxicity study of intravitreal erythropoietin in rabbits. <i>Acta Pharmacologica Sinica</i> , <b>2008</b> , 29, 1383-90	8	22
39	Erythropoietin Protects Retinal Cells in Diabetic Rats Through Upregulating ZnT8 via Activating ERK Pathway and Inhibiting HIF-1 Expression <b>2015</b> , 56, 8166-78		20
38	EPO attenuates inflammatory cytokines by Muller cells in diabetic retinopathy. <i>Frontiers in Bioscience - Elite</i> , <b>2011</b> , 3, 201-11	1.6	19

37	Transplantation of rat embryonic stem cell-derived retinal progenitor cells preserves the retinal structure and function in rat retinal degeneration. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 219	8.3	17
36	Erythropoietin protects the inner blood-retinal barrier by inhibiting microglia phagocytosis via Src/Akt/cofilin signalling in experimental diabetic retinopathy. <i>Diabetologia</i> , <b>2021</b> , 64, 211-225	10.3	16
35	Protective Effects of Fucoidan on Epithelial-Mesenchymal Transition of Retinal Pigment Epithelial Cells and Progression of Proliferative Vitreoretinopathy. <i>Cellular Physiology and Biochemistry</i> , <b>2018</b> , 46, 1704-1715	3.9	15
34	Erythropoietin protects outer blood-retinal barrier in experimental diabetic retinopathy by up-regulating ZO-1 and occludin. <i>Clinical and Experimental Ophthalmology</i> , <b>2019</b> , 47, 1182-1197	2.4	15
33	EPO reduces reactive gliosis and stimulates neurotrophin expression in Muller cells. <i>Frontiers in Bioscience - Elite</i> , <b>2011</b> , 3, 1541-55	1.6	13
32	Anti-VEGF effects of intravitreal erythropoietin in early diabetic retinopathy. <i>Frontiers in Bioscience - Elite</i> , <b>2010</b> , 2, 912-27	1.6	13
31	miR-194 suppresses epithelial-mesenchymal transition of retinal pigment epithelial cells by directly targeting ZEB1. <i>Annals of Translational Medicine</i> , <b>2019</b> , 7, 751	3.2	13
30	Involvement of IL-37 in the Pathogenesis of Proliferative Diabetic Retinopathy <b>2016</b> , 57, 2955-62		11
29	OFD1, as a Ciliary Protein, Exhibits Neuroprotective Function in Photoreceptor Degeneration Models. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155860	3.7	10
28	Differential gene expression pattern of diabetic rat retinas after intravitreal injection of erythropoietin. <i>Clinical and Experimental Ophthalmology</i> , <b>2011</b> , 39, 142-51	2.4	9
27	The combination of bFGF and CHIR99021 maintains stable self-renewal of mouse adult retinal progenitor cells. <i>Stem Cell Research and Therapy</i> , <b>2018</b> , 9, 346	8.3	9
26	A cell culture condition that induces the mesenchymal-epithelial transition of dedifferentiated porcine retinal pigment epithelial cells. <i>Experimental Eye Research</i> , <b>2018</b> , 177, 160-172	3.7	8
25	MicroRNA-24 protects retina from degeneration in rats by down-regulating chitinase-3-like protein 1. <i>Experimental Eye Research</i> , <b>2019</b> , 188, 107791	3.7	7
24	Metformin Protects ARPE-19 Cells from Glyoxal-Induced Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 1740943	6.7	7
23	BMSC-derived extracellular vesicles intervened the pathogenic changes of scleroderma in mice through miRNAs. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 327	8.3	7
22	Melatonin maintains inner blood-retinal barrier via inhibition of p38/TXNIP/NF-B pathway in diabetic retinopathy. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 5848-5864	7	7
21	Adult human periodontal ligament-derived stem cells delay retinal degeneration and maintain retinal function in RCS rats. <i>Stem Cell Research and Therapy</i> , <b>2017</b> , 8, 290	8.3	6
20	A modified histoimmunochemistry-assisted method for in situ RPE evaluation. <i>Frontiers in Bioscience - Elite</i> , <b>2012</b> , E4, 1571-1581	1.6	6

19	Erythropoietin maintains VE-cadherin expression and barrier function in experimental diabetic retinopathy via inhibiting VEGF/VEGFR2/Src signaling pathway. <i>Life Sciences</i> , <b>2020</b> , 259, 118273	6.8	6
18	Enhancing fractalkine/CX3CR1 signalling pathway can reduce neuroinflammation by attenuating microglia activation in experimental diabetic retinopathy.. <i>Journal of Cellular and Molecular Medicine</i> , <b>2022</b> ,	5.6	5
17	Is Iba-1 protein expression a sensitive marker for microglia activation in experimental diabetic retinopathy?. <i>International Journal of Ophthalmology</i> , <b>2021</b> , 14, 200-208	1.4	5
16	A modified histoimmunochemistry-assisted method for in situ RPE evaluation. <i>Frontiers in Bioscience - Elite</i> , <b>2012</b> , 4, 1571-81	1.6	4
15	Anti-VEGF therapy prevents Müller intracellular edema by decreasing VEGF-A in diabetic retinopathy. <i>Eye and Vision (London, England)</i> , <b>2021</b> , 8, 13	4.9	4
14	Transplantation Site Affects the Outcomes of Adipose-Derived Stem Cell-Based Therapy for Retinal Degeneration. <i>Stem Cells International</i> , <b>2020</b> , 2020, 9625798	5	3
13	Identification of two novel RHO mutations in Chinese retinitis pigmentosa patients. <i>Experimental Eye Research</i> , <b>2019</b> , 188, 107726	3.7	3
12	Effectively Intervening Epithelial-Mesenchymal Transition of Retinal Pigment Epithelial Cells With a Combination of ROCK and TGF- $\beta$ Signaling Inhibitors <b>2021</b> , 62, 21		3
11	Conditioned Medium of Human Amniotic Epithelial Cells Alleviates Experimental Allergic Conjunctivitis Mainly by IL-1ra and IL-10. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 774601	8.4	2
10	Establishment of Retinal Degeneration Model in Rat and Monkey by Intravitreal Injection of Sodium Iodate. <i>Current Molecular Medicine</i> , <b>2018</b> , 18, 352-364	2.5	2
9	Glia maturation factor- $\beta$ induces ferroptosis by impairing chaperone-mediated autophagic degradation of ACSL4 in early diabetic retinopathy.. <i>Redox Biology</i> , <b>2022</b> , 52, 102292	11.3	2
8	Glia Maturation Factor Beta as a Novel Biomarker and Therapeutic Target for Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 744331	5.3	1
7	Identification of novel key molecular signatures in the pathogenesis of experimental diabetic retinopathy. <i>IUBMB Life</i> , <b>2021</b> , 73, 1307-1324	4.7	1
6	Chaperone-mediated autophagy plays an important role in regulating retinal progenitor cell homeostasis.. <i>Stem Cell Research and Therapy</i> , <b>2022</b> , 13, 136	8.3	1
5	Small-Molecule Induction Promotes Corneal Endothelial Cell Differentiation From Human iPS Cells.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 788987	5.8	1
4	CHIR99021 balance TGF $\beta$ induced human corneal endothelial-to-mesenchymal transition to favor corneal endothelial cell proliferation.. <i>Experimental Eye Research</i> , <b>2022</b> , 108939	3.7	0
3	Silencing Nogo-B improves the integrity of blood-retinal barrier in diabetic retinopathy via regulating Src, PI3K/Akt and ERK pathways. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 581, 96-102	3.4	0
2	Inhibition of PARP activity improves therapeutic effect of ARPE-19 transplantation in RCS rats through decreasing photoreceptor death. <i>Experimental Eye Research</i> , <b>2021</b> , 204, 108448	3.7	0

- 1 Melatonin Maintains Inner Blood-Retinal Barrier by Regulating Microglia Inhibition of PI3K/Akt/Stat3/NF- $\kappa$ B Signaling Pathways in Experimental Diabetic Retinopathy.. *Frontiers in Immunology*, **2022**, 13, 831660 8.4 ○