Jing Chen

List of Publications by Year
in descending order

43 papers	5,227 citations	201674 27 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	6132 citing authors

#	Article	IF	Citations
1	Increased dietary intake of Ï‰-3-polyunsaturated fatty acids reduces pathological retinal angiogenesis. Nature Medicine, 2007, 13, 868-873.	30.7	633
2	Quantification of oxygen-induced retinopathy in the mouse: a model of vessel loss, vessel regrowth and pathological angiogenesis. Nature Protocols, 2009, 4, 1565-1573.	12.0	561
3	Retinopathy of prematurity. Angiogenesis, 2007, 10, 133-140.	7.2	535
4	The Mouse Retina as an Angiogenesis Model. , 2010, 51, 2813.		523
5	SIRT1 Is Essential for Normal Cognitive Function and Synaptic Plasticity. Journal of Neuroscience, 2010, 30, 9695-9707.	3.6	452
6	Erythropoietin deficiency decreases vascular stability in mice. Journal of Clinical Investigation, 2008, 118, 526-33.	8.2	242
7	5-Lipoxygenase Metabolite 4-HDHA Is a Mediator of the Antiangiogenic Effect of Ï‰-3 Polyunsaturated Fatty Acids. Science Translational Medicine, 2011, 3, 69ra12.	12.4	201
8	Retinal lipid and glucose metabolism dictates angiogenesis through the lipid sensor Ffar1. Nature Medicine, 2016, 22, 439-445.	30.7	183
9	Suppression of Retinal Neovascularization by Erythropoietin siRNA in a Mouse Model of Proliferative Retinopathy. , 2009, 50, 1329.		168
10	Current update on retinopathy of prematurity: screening and treatment. Current Opinion in Pediatrics, 2011, 23, 173-178.	2.0	149
11	Wnt Signaling in vascular eye diseases. Progress in Retinal and Eye Research, 2019, 70, 110-133.	15.5	130
12	Animal models of ocular angiogenesis: from development to pathologies. FASEB Journal, 2017, 31, 4665-4681.	0.5	119
13	Neurovascular cross talk in diabetic retinopathy: Pathophysiological roles and therapeutic implications. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H738-H749.	3.2	113
14	Wnt Signaling Mediates Pathological Vascular Growth in Proliferative Retinopathy. Circulation, 2011, 124, 1871-1881.	1.6	108
15	Choroid Sprouting Assay: An Ex Vivo Model of Microvascular Angiogenesis. PLoS ONE, 2013, 8, e69552.	2.5	88
16	Postnatal Weight Gain Modifies Severity and Functional Outcome of Oxygen-Induced Proliferative Retinopathy. American Journal of Pathology, 2010, 177, 2715-2723.	3.8	84
17	Endothelial microRNA-150 is an intrinsic suppressor of pathologic ocular neovascularization. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12163-12168.	7.1	83
18	Resveratrol Inhibits Pathologic Retinal Neovascularization inVldlr^{â^'/â^'}Mice. , 2011, 52, 2809.		76

#	Article	IF	Citations
19	Optimization of an Image-Guided Laser-Induced Choroidal Neovascularization Model in Mice. PLoS ONE, 2015, 10, e0132643.	2.5	76
20	Intravenous treatment of choroidal neovascularization by photo-targeted nanoparticles. Nature Communications, 2019, 10, 804.	12.8	67
21	Inflammatory signals from photoreceptor modulate pathological retinal angiogenesis via c-Fos. Journal of Experimental Medicine, 2017, 214, 1753-1767.	8.5	60
22	SOCS3 is an endogenous inhibitor of pathologic angiogenesis. Blood, 2012, 120, 2925-2929.	1.4	59
23	Retinal Expression of Wnt-Pathway Mediated Genes in Low-Density Lipoprotein Receptor-Related Protein 5 (Lrp5) Knockout Mice. PLoS ONE, 2012, 7, e30203.	2.5	56
24	Nuclear receptor RORÎ± regulates pathologic retinal angiogenesis by modulating SOCS3-dependent inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10401-10406.	7.1	55
25	Wnt signaling activates MFSD2A to suppress vascular endothelial transcytosis and maintain blood-retinal barrier. Science Advances, 2020, 6, eaba7457.	10.3	51
26	Endothelial TWIST1 Promotes Pathological Ocular Angiogenesis. Investigative Ophthalmology and Visual Science, 2014, 55, 8267-8277.	3.3	39
27	SOCS3 in retinal neurons and glial cells suppresses VEGF signaling to prevent pathological neovascular growth. Science Signaling, 2015, 8, ra94.	3.6	38
28	MicroRNAs in Vascular Eye Diseases. International Journal of Molecular Sciences, 2020, 21, 649.	4.1	34
29	Nanoparticle-Mediated Expression of a Wnt Pathway Inhibitor Ameliorates Ocular Neovascularization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 855-864.	2.4	32
30	Neuronal sirtuin1 mediates retinal vascular regeneration in oxygen-induced ischemic retinopathy. Angiogenesis, 2013, 16, 985-992.	7.2	30
31	Pharmacologic Activation of Wnt Signaling by Lithium Normalizes Retinal Vasculature in a Murine Model of Familial Exudative Vitreoretinopathy. American Journal of Pathology, 2016, 186, 2588-2600.	3.8	30
32	Retinal expression of small non-coding RNAs in a murine model of proliferative retinopathy. Scientific Reports, 2016, 6, 33947.	3.3	29
33	MicroRNA-145 Regulates Pathological Retinal Angiogenesis by Suppression of TMOD3. Molecular Therapy - Nucleic Acids, 2019, 16, 335-347.	5.1	24
34	RORÎ± modulates semaphorin 3E transcription and neurovascular interaction in pathological retinal angiogenesis. FASEB Journal, 2017, 31, 4492-4502.	0.5	18
35	Sirtuin1 Over-Expression Does Not Impact Retinal Vascular and Neuronal Degeneration in a Mouse Model of Oxygen-Induced Retinopathy. PLoS ONE, 2014, 9, e85031.	2.5	18
36	Wnt Signaling in Inner Bloodâ€“Retinal Barrier Maintenance. International Journal of Molecular Sciences, 2021, 22, 11877.	4.1	16

#	Article	IF	Citations
37	REV-ERBÎ± regulates age-related and oxidative stress-induced degeneration in retinal pigment epithelium via NRF2. Redox Biology, 2022, 51, 102261.	9.0	12
38	Assessment and Characterization of Hyaloid Vessels in Mice. Journal of Visualized Experiments, 2019, , .	0.3	11
39	Light-induced translocation of cyclic-GMP phosphodiesterase on rod disc membranes in rat retina. Molecular Vision, 2008, 14, 2509-17.	1.1	8
40	Stress Signal Regulation by Na/K-ATPase As a New Approach to Promote Physiological Revascularization in a Mouse Model of Ischemic Retinopathy. , 2020, 61, 9.		6
41	Loss of RAR-related orphan receptor alpha (RORÎ±) selectively lowers docosahexaenoic acid in developing cerebellum. Prostaglandins Leukotrienes and Essential Fatty Acids, 2020, 152, 102036.	2.2	4
42	Retinal Vascular Development. Essentials in Ophthalmology, 2016, , 1-19.	0.1	4
43	Enhancing Reliability of the Laser-Induced Choroidal Neovascularization Mouse Model: Insights From a New Study. , 2014, 55, 6535.		2