Jing Chen

List of Publications by Year
in descending order

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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	REV-ERBÎ± regulates age-related and oxidative stress-induced degeneration in retinal pigment epithelium via NRF2. Redox Biology, 2022, 51, 102261.	9.0	12
2	Wnt Signaling in Inner Bloodâ€“Retinal Barrier Maintenance. International Journal of Molecular Sciences, 2021, 22, 11877.	4.1	16
3	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
4	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
5	Wnt signaling activates MFSD2A to suppress vascular endothelial transcytosis and maintain blood-retinal barrier. Science Advances, 2020, 6, eaba7457.	10.3	51
6	MicroRNAs in Vascular Eye Diseases. International Journal of Molecular Sciences, 2020, 21, 649.	4.1	34
7	Assessment and Characterization of Hyaloid Vessels in Mice. Journal of Visualized Experiments, 2019, , .	0.3	11
8	MicroRNA-145 Regulates Pathological Retinal Angiogenesis by Suppression of TMOD3. Molecular Therapy - Nucleic Acids, 2019, 16, 335-347.	5.1	24
9	Intravenous treatment of choroidal neovascularization by photo-targeted nanoparticles. Nature Communications, 2019, 10, 804.	12.8	67
10	Wnt Signaling in vascular eye diseases. Progress in Retinal and Eye Research, 2019, 70, 110-133.	15.5	130
11	Inflammatory signals from photoreceptor modulate pathological retinal angiogenesis via c-Fos. Journal of Experimental Medicine, 2017, 214, 1753-1767.	8.5	60
12	RORÎ± modulates semaphorin 3E transcription and neurovascular interaction in pathological retinal angiogenesis. FASEB Journal, 2017, 31, 4492-4502.	0.5	18
13	Animal models of ocular angiogenesis: from development to pathologies. FASEB Journal, 2017, 31, 4665-4681.	0.5	119
14	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
15	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
16	Retinal expression of small non-coding RNAs in a murine model of proliferative retinopathy. Scientific Reports, 2016, 6, 33947.	3.3	29
17	Retinal lipid and glucose metabolism dictates angiogenesis through the lipid sensor Ffar1. Nature Medicine, 2016, 22, 439-445.	30.7	183
18	Retinal Vascular Development. Essentials in Ophthalmology, 2016, , 1-19.	0.1	4

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19	Optimization of an Image-Guided Laser-Induced Choroidal Neovascularization Model in Mice. PLoS ONE, 2015, 10, e0132643.	2.5	76
20	Nanoparticle-Mediated Expression of a Wnt Pathway Inhibitor Ameliorates Ocular Neovascularization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 855-864.	2.4	32
21	SOCS3 in retinal neurons and glial cells suppresses VEGF signaling to prevent pathological neovascular growth. Science Signaling, 2015, 8, ra94.	3.6	38
22	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
23	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
24	Endothelial TWIST1 Promotes Pathological Ocular Angiogenesis. Investigative Ophthalmology and Visual Science, 2014, 55, 8267-8277.	3.3	39
25	Enhancing Reliability of the Laser-Induced Choroidal Neovascularization Mouse Model: Insights From a New Study. , 2014, 55, 6535.		2
26	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
27	Neuronal sirtuin1 mediates retinal vascular regeneration in oxygen-induced ischemic retinopathy. Angiogenesis, 2013, 16, 985-992.	7.2	30
28	Choroid Sprouting Assay: An Ex Vivo Model of Microvascular Angiogenesis. PLoS ONE, 2013, 8, e69552.	2.5	88
29	SOCS3 is an endogenous inhibitor of pathologic angiogenesis. Blood, 2012, 120, 2925-2929.	1.4	59
30	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
31	Resveratrol Inhibits Pathologic Retinal Neovascularization inVldlr^{â^'/â^'}Mice. , 2011, 52, 2809.		76
32	Current update on retinopathy of prematurity: screening and treatment. Current Opinion in Pediatrics, 2011, 23, 173-178.	2.0	149
33	Wnt Signaling Mediates Pathological Vascular Growth in Proliferative Retinopathy. Circulation, 2011, 124, 1871-1881.	1.6	108
34	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
35	SIRT1 Is Essential for Normal Cognitive Function and Synaptic Plasticity. Journal of Neuroscience, 2010, 30, 9695-9707.	3.6	452
36	Postnatal Weight Gain Modifies Severity and Functional Outcome of Oxygen-Induced Proliferative Retinopathy. American Journal of Pathology, 2010, 177, 2715-2723.	3.8	84

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37	The Mouse Retina as an Angiogenesis Model. , 2010, 51, 2813.		523
38	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
39	Suppression of Retinal Neovascularization by Erythropoietin siRNA in a Mouse Model of Proliferative Retinopathy. , 2009, 50, 1329.		168
40	Erythropoietin deficiency decreases vascular stability in mice. Journal of Clinical Investigation, 2008, 118, 526-33.	8.2	242
41	Light-induced translocation of cyclic-GMP phosphodiesterase on rod disc membranes in rat retina. Molecular Vision, 2008, 14, 2509-17.	1.1	8
42	Increased dietary intake of Ï‰-3-polyunsaturated fatty acids reduces pathological retinal angiogenesis. Nature Medicine, 2007, 13, 868-873.	30.7	633
43	Retinopathy of prematurity. Angiogenesis, 2007, 10, 133-140.	7.2	535