Xialin Liu

List of Publications by Year
in descending order

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40	1,717	361296	330025
papers	citations	20 h-index	37 g-index

40	40	40	2737
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interfacial Electronic Structure Modulation of NiTe Nanoarrays with NiS Nanodots Facilitates Electrocatalytic Oxygen Evolution. Advanced Materials, 2019, 31, e1900430.	11.1	298
2	Lens regeneration using endogenous stem cells with gain of visual function. Nature, 2016, 531, 323-328.	13.7	171
3	Necroptosis in microglia contributes to neuroinflammation and retinal degeneration through TLR4 activation. Cell Death and Differentiation, 2018, 25, 180-189.	5.0	129
4	A potent immunomodulatory role of exosomes derived from mesenchymal stromal cells in preventing cGVHD. Journal of Hematology and Oncology, 2018, 11, 135.	6.9	124
5	Diagnostic Efficacy and Therapeutic Decision-making Capacity of an Artificial Intelligence Platform for Childhood Cataracts in Eye Clinics: A Multicentre Randomized Controlled Trial. EClinicalMedicine, 2019, 9, 52-59.	3.2	117
6	MicroRNA-26a and -26b inhibit lens fibrosis and cataract by negatively regulating Jagged-1/Notch signaling pathway. Cell Death and Differentiation, 2017, 24, 1431-1442.	5.0	78
7	Mesenchymal Stromal Cells Treatment Attenuates Dry Eye in Patients With Chronic Graft-versus-host Disease. Molecular Therapy, 2012, 20, 2347-2354.	3.7	63
8	High glucose induces and activates Toll-like receptor 4 in endothelial cells of diabetic retinopathy. Diabetology and Metabolic Syndrome, 2015, 7, 89.	1.2	62
9	Therapeutic paradigm of dual targeting VEGF and PDGF for effectively treating FGF-2 off-target tumors. Nature Communications, 2020, 11, 3704.	5.8	62
10	Endothelial Progenitor Cells (EPCs) Mobilized and Activated by Neurotrophic Factors May Contribute to Pathologic Neovascularization in Diabetic Retinopathy. American Journal of Pathology, 2010, 176, 504-515.	1.9	58
11	miR-204â€“containing exosomes ameliorate GVHD-associated dry eye disease. Science Advances, 2022, 8, eabj9617.	4.7	52
12	Single-cell transcriptomics of adult macaque hippocampus reveals neural precursor cell populations. Nature Neuroscience, 2022, 25, 805-817.	7.1	47
13	Neuronal-Driven Angiogenesis: Role of NGF in Retinal Neovascularization in an Oxygen-Induced Retinopathy Model. , 2010, 51, 3749.		46
14	NGF increases VEGF expression and promotes cell proliferation via ERK1/2 and AKT signaling in MÃ¼ller cells. Molecular Vision, 2016, 22, 254-63.	1.1	43
15	IL-37 Is a Novel Proangiogenic Factor of Developmental and Pathological Angiogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2638-2646.	1.1	35
16	A specific RIP3 ⁺ subpopulation of microglia promotes retinopathy through a hypoxia-triggered necroptotic mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33
17	Alpha-1 Antitrypsin Attenuates M1 Microglia-Mediated Neuroinflammation in Retinal Degeneration. Frontiers in Immunology, 2018, 9, 1202.	2.2	30
18	Effectiveness of an Ophthalmic Hospital-Based Virtual Service during the COVID-19 Pandemic. Ophthalmology, 2021, 128, 942-945.	2.5	25

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19	Vasoprotective effect of PDGF-CC mediated by HMOX1 rescues retinal degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14806-14811.	3.3	24
20	Role of anterior capsule polishing in residual lens epithelial cell proliferation. Journal of Cataract and Refractive Surgery, 2010, 36, 208-214.	0.7	22
21	Interleukin-1Î² promotes the induction of retinal autoimmune disease. International Immunopharmacology, 2014, 22, 285-292.	1.7	22
22	Interleukin 37 promotes angiogenesis through TGF-Î² signaling. Scientific Reports, 2017, 7, 6113.	1.6	21
23	Bcl-6-directed follicular helper T cells promote vascular inflammatory injury in diabetic retinopathy. Theranostics, 2020, 10, 4250-4264.	4.6	21
24	Simultaneous Profiling of mRNA Transcriptome and DNA Methylome from a Single Cell. Methods in Molecular Biology, 2019, 1979, 363-377.	0.4	17
25	<scp>IL</scp>â€17 signaling induces <scp>iNOS</scp>+ microglia activation in retinal vascular diseases. Glia, 2021, 69, 2644-2657.	2.5	15
26	Single-cell RNA cap and tail sequencing (scRCAT-seq) reveals subtype-specific isoforms differing in transcript demarcation. Nature Communications, 2020, 11, 5148.	5.8	14
27	Liu et al. reply. Nature, 2018, 556, E3-E4.	13.7	12
28	Vitelline Membrane Outer Layer 1 Homolog Interacts With Lysozyme C and Promotes the Stabilization of Tear Film. Investigative Ophthalmology and Visual Science, 2014, 55, 6722-6727.	3.3	10
29	TLR2/4 deficiency prevents oxygen-induced vascular degeneration and promotes revascularization by downregulating IL-17 in the retina. Scientific Reports, 2016, 6, 27739.	1.6	9
30	Multimodal imaging of the retina and choroid in healthy Macaca fascicularis at different ages. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 455-463.	1.0	8
31	Molecular signature for senile and complicated cataracts derived from analysis of sumoylation enzymes and their substrates in human cataract lenses. Aging Cell, 2020, 19, e13222.	3.0	8
32	Tmem138 is localized to the connecting cilium essential for rhodopsin localization and outer segment biogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2109934119.	3.3	8
33	Single-Cell Transcriptome Profiling Reveals the Suppressive Role of Retinal Neurons in Microglia Activation Under Diabetes Mellitus. Frontiers in Cell and Developmental Biology, 2021, 9, 680947.	1.8	7
34	Extensive Sub-RPE Complement Deposition in a Nonhuman Primate Model of Early-Stage Diabetic Retinopathy. , 2021, 62, 30.		6
35	Proteomic analysis of regenerated rabbit lenses reveal crystallin expression characteristic of adult rabbits. Molecular Vision, 2008, 14, 2404-12.	1.1	6
36	Effectiveness of intraoperative intraocular lens use on improving surgical safety for dense cataract phacoemulsification: a randomized controlled trial. Scientific Reports, 2020, 10, 1600.	1.6	4

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37	Interleukin-28A enhances autoimmune disease in a retinal autoimmunity model. Cytokine, 2014, 70, 179-184.	1.4	3
38	Using inducible lentiviral vectors to generate induced pluripotent stem cell line ZOCi001-A from peripheral blood cells of a patient with CRB1âˆ’/âˆ’ retinitis pigmentosa.. Stem Cell Research, 2020, 45, 101817.	0.3	3
39	Generation of a homozygous CRISPR/Cas9-mediated knockout H9 hESC subline for the CRB1 locus. Stem Cell Research, 2020, 49, 102057.	0.3	2
40	Identification of TPBG-Expressing Amacrine Cells in DAT-tdTomato Mouse. , 2022, 63, 13.		2