

# Jian Ge

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75  
papers

2,312  
citations

17  
h-index

47  
g-index

90  
ext. papers

2,756  
ext. citations

5.7  
avg, IF

4.34  
L-index

#	Paper	IF	Citations
75	Pluripotent stem cells induced from mouse somatic cells by small-molecule compounds. <i>Science</i> , <b>2013</b> , 341, 651-4	33.3	967
74	Generation of iPSCs from mouse fibroblasts with a single gene, Oct4, and small molecules. <i>Cell Research</i> , <b>2011</b> , 21, 196-204	24.7	247
73	Caspase-8 promotes NLRP1/NLRP3 inflammasome activation and IL-1 $\beta$ production in acute glaucoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11181-6	11.5	172
72	A XEN-like State Bridges Somatic Cells to Pluripotency during Chemical Reprogramming. <i>Cell</i> , <b>2015</b> , 163, 1678-91	56.2	144
71	Inhibition of angiogenesis, fibrosis and thrombosis by tetramethylpyrazine: mechanisms contributing to the SDF-1/CXCR4 axis. <i>PLoS ONE</i> , <b>2014</b> , 9, e88176	3.7	46
70	Pluripotent stem cells induced from mouse neural stem cells and small intestinal epithelial cells by small molecule compounds. <i>Cell Research</i> , <b>2016</b> , 26, 34-45	24.7	45
69	PEDF improves mitochondrial function in RPE cells during oxidative stress. <i>Investigative Ophthalmology and Visual Science</i> , <b>2014</b> , 55, 6742-55		44
68	Quantitative measurements of the ciliary body in eyes with malignant glaucoma after trabeculectomy using ultrasound biomicroscopy. <i>Ophthalmology</i> , <b>2014</b> , 121, 862-9	7.3	44
67	Evaluation of an injectable thermosensitive hydrogel as drug delivery implant for ocular glaucoma surgery. <i>PLoS ONE</i> , <b>2014</b> , 9, e100632	3.7	40
66	HiPSC-derived retinal ganglion cells grow dendritic arbors and functional axons on a tissue-engineered scaffold. <i>Acta Biomaterialia</i> , <b>2017</b> , 54, 117-127	10.8	38
65	The Guangzhou Twin Project. <i>Twin Research and Human Genetics</i> , <b>2006</b> , 9, 753-757	2.2	35
64	Generation of Retinal Organoids with Mature Rods and Cones from Urine-Derived Human Induced Pluripotent Stem Cells. <i>Stem Cells International</i> , <b>2018</b> , 2018, 4968658	5	26
63	Netrin-1 regulates somatic cell reprogramming and pluripotency maintenance. <i>Nature Communications</i> , <b>2015</b> , 6, 7398	17.4	24
62	Elevated Intraocular Pressure Induces Amyloid- $\beta$ Deposition and Tauopathy in the Lateral Geniculate Nucleus in a Monkey Model of Glaucoma <b>2017</b> , 58, 5434-5443		23
61	Illness uncertainty, anxiety and depression in Chinese patients with glaucoma or cataract. <i>Scientific Reports</i> , <b>2018</b> , 8, 11671	4.9	23
60	An Optimized System for Effective Derivation of Three-Dimensional Retinal Tissue via Wnt Signaling Regulation. <i>Stem Cells</i> , <b>2018</b> , 36, 1709-1722	5.8	22
59	Generation and Characterization of Induced Pluripotent Stem Cells and Retinal Organoids From a Leber's Congenital Amaurosis Patient With Novel Mutations. <i>Frontiers in Molecular Neuroscience</i> , <b>2019</b> , 12, 212	6.1	18

58	Protective effect of mitochondria-targeted peptide MTP-131 against oxidative stress-induced apoptosis in RGC-5 cells. <i>Molecular Medicine Reports</i> , <b>2017</b> , 15, 2179-2185	2.9	16
57	Detection of Clinically Relevant Genetic Variants in Chinese Patients With Nanophthalmos by Trio-Based Whole-Genome Sequencing Study <b>2019</b> , 60, 2904-2913		15
56	Collagen-Hydroxypropyl Methylcellulose Membranes for Corneal Regeneration. <i>ACS Omega</i> , <b>2018</b> , 3, 1269-1275	3.9	14
55	Lithium promotes DNA stability and survival of ischemic retinal neurocytes by upregulating DNA ligase IV. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2473	9.8	13
54	Outcomes of Ahmed glaucoma valve implantation in advanced primary congenital glaucoma with previous surgical failure. <i>Clinical Ophthalmology</i> , <b>2015</b> , 9, 977-83	2.5	13
53	Amyloid beta deposition related retinal pigment epithelium cell impairment and subretinal microglia activation in aged APPswePS1 transgenic mice. <i>International Journal of Ophthalmology</i> , <b>2018</b> , 11, 747-755	1.4	12
52	Stage-specific differentiation of iPSCs toward retinal ganglion cell lineage. <i>Molecular Vision</i> , <b>2016</b> , 22, 536-47	2.3	12
51	Tetramethylpyrazine-mediated regulation of CXCR4 in retinoblastoma is sensitive to cell density. <i>Molecular Medicine Reports</i> , <b>2017</b> , 15, 2481-2488	2.9	11
50	Conjunctival reconstruction with progenitor cell-derived autologous epidermal sheets in rhesus monkey. <i>PLoS ONE</i> , <b>2011</b> , 6, e25713	3.7	11
49	Self-Formation of RPE Spheroids Facilitates Enrichment and Expansion of hiPSC-Derived RPE Generated on Retinal Organoid Induction Platform <b>2018</b> , 59, 5659-5669		11
48	Tetramethylpyrazine attenuates endotoxin-induced retinal inflammation by inhibiting microglial activation via the TLR4/NF- $\kappa$ B signalling pathway. <i>Biomedicine and Pharmacotherapy</i> , <b>2020</b> , 128, 110273	7.5	10
47	Tetramethylpyrazine in a Murine Alkali-Burn Model Blocks NF $\kappa$ B/NRF-1/CXCR4-Signaling-Induced Corneal Neovascularization <b>2018</b> , 59, 2133-2141		10
46	Retinal Neuron Is More Sensitive to Blue Light-Induced Damage than Glia Cell Due to DNA Double-Strand Breaks. <i>Cells</i> , <b>2019</b> , 8,	7.9	9
45	Regulated differentiation of WERI-Rb-1 cells into retinal neuron-like cells. <i>International Journal of Molecular Medicine</i> , <b>2017</b> , 40, 1172-1184	4.4	9
44	Tetramethylpyrazine (TMP), an Active Ingredient of Chinese Herb Medicine Chuanxiong, Attenuates the Degeneration of Trabecular Meshwork through SDF-1/CXCR4 Axis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133055	3.7	9
43	Analysis of a method for establishing a model with more stable chronic glaucoma in rhesus monkeys. <i>Experimental Eye Research</i> , <b>2015</b> , 131, 56-62	3.7	9
42	Dry Eye Disease in Patients with Functioning Filtering Blebs after Trabeculectomy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152696	3.7	9
41	Tetramethylpyrazine (TMP) ameliorates corneal neovascularization via regulating cell infiltration into cornea after alkali burn. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 109, 1041-1051	7.5	9

40	Retinoid acid and taurine promote NeuroD1-induced differentiation of induced pluripotent stem cells into retinal ganglion cells. <i>Molecular and Cellular Biochemistry</i> , <b>2018</b> , 438, 67-76	4.2	9
39	Establishing a Surgical Procedure for Rhesus Epiretinal Scaffold Implantation with HiPSC-Derived Retinal Progenitors. <i>Stem Cells International</i> , <b>2018</b> , 2018, 9437041	5	9
38	Dexamethasone Provides Effective Immunosuppression for Improved Survival of Retinal Organoids after Epiretinal Transplantation. <i>Stem Cells International</i> , <b>2019</b> , 2019, 7148032	5	8
37	Functional and morphological analysis of the subretinal injection of human retinal progenitor cells under Cyclosporin A treatment. <i>Molecular Vision</i> , <b>2014</b> , 20, 1271-80	2.3	8
36	Alpha 1-antitrypsin inhibits microglia activation and facilitates the survival of iPSC grafts in hypertension mouse model. <i>Cellular Immunology</i> , <b>2018</b> , 328, 49-57	4.4	7
35	BRCA1 silencing is associated with failure of DNA repairing in retinal neurocytes. <i>PLoS ONE</i> , <b>2014</b> , 9, e99371	3.7	7
34	Brca1 Is Upregulated by 5-Aza-CdR and Promotes DNA Repair and Cell Survival, and Inhibits Neurite Outgrowth in Rat Retinal Neurons. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	6
33	The Effect of Dry Eye Disease on Scar Formation in Rabbit Glaucoma Filtration Surgery. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	6
32	Thrombospondin-1 might be a therapeutic target to suppress RB cells by regulating the DNA double-strand breaks repair. <i>Oncotarget</i> , <b>2016</b> , 7, 6105-20	3.3	6
31	Exosomes derived from retinoblastoma cells enhance tumour deterioration by infiltrating the microenvironment. <i>Oncology Reports</i> , <b>2021</b> , 45, 278-290	3.5	6
30	Short-Term Observation of Ultrasonic Cyclocoagulation in Chinese Patients with End-Stage Refractory Glaucoma: A Retrospective Study. <i>Journal of Ophthalmology</i> , <b>2018</b> , 2018, 4950318	2	6
29	Assessing oxygen saturation in retinal vessels in high myopia patients pre- and post-implantable collamer lens implantation surgery. <i>Acta Ophthalmologica</i> , <b>2017</b> , 95, 576-582	3.7	5
28	BAM15 attenuates transportation-induced apoptosis in iPS-differentiated retinal tissue. <i>Stem Cell Research and Therapy</i> , <b>2019</b> , 10, 64	8.3	5
27	Comparison of the effects of photodynamic therapy, intravitreal ranibizumab and combination for polypoidal choroidal vasculopathy under 1 + PRN regimen. <i>BMC Ophthalmology</i> , <b>2018</b> , 18, 144	2.3	5
26	Discordant mRNA and protein expression of CXCR4 under in vitro CoCl-induced hypoxic conditions. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 484, 285-291	3.4	4
25	Nuclear Respiratory Factor-1 (NRF-1) Regulates Transcription of the CXC Receptor 4 (CXCR4) in the Rat Retina <b>2017</b> , 58, 4662-4669		4
24	The stem cell and tissue engineering research in Chinese ophthalmology. <i>Frontiers of Medicine in China</i> , <b>2007</b> , 1, 6-10		4
23	Histone deacetylase inhibitors differentially regulate c-Myc expression in retinoblastoma cells. <i>Oncology Letters</i> , <b>2020</b> , 19, 460-468	2.6	4

22	Islet1 and Brn3 Expression Pattern Study in Human Retina and hiPSC-Derived Retinal Organoid. <i>Stem Cells International</i> , <b>2019</b> , 2019, 8786396	5	4
21	Relationship between intraocular pressure and retinal nerve fibre thickness loss in a monkey model of chronic ocular hypertension. <i>Eye</i> , <b>2019</b> , 33, 1833-1841	4.4	3
20	Generation of an acute retinal photoreceptor degeneration model in rabbits. <i>American Journal of Translational Research (discontinued)</i> , <b>2018</b> , 10, 235-245	3	3
19	Biodegradable scaffolds facilitate epiretinal transplantation of hiPSC-Derived retinal neurons in nonhuman primates. <i>Acta Biomaterialia</i> , <b>2021</b> , 134, 289-301	10.8	3
18	Induction of pluripotent stem cells by reprogramming human ocular fibroblasts under xeno-free conditions. <i>Arquivos Brasileiros De Oftalmologia</i> , <b>2018</b> , 81, 376-383	1.1	2
17	Nanophthalmos-Associated MYRF Gene Mutation Causes Ciliary Zonule Defects in Mice <b>2021</b> , 62, 1		2
16	Up-Regulation of SorCS1, an Important Sorting Receptor, in the Retina of a Form-Deprivation Rat Model. <i>Cellular and Molecular Neurobiology</i> , <b>2020</b> , 40, 395-405	4.6	2
15	Myelin regulatory factor deficiency is associated with the retinal photoreceptor defects in mice. <i>Visual Neuroscience</i> , <b>2021</b> , 38, E005	1.7	2
14	Carbon Nanotube Polymer Scaffolds as a Conductive Alternative for the Construction of Retinal Sheet Tissue. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 3167-3175	5.7	2
13	Intraocular pressure lowering efficacy and safety of travoprost 0.004% as a replacement therapy in patients with open angle glaucoma or ocular hypertension. <i>Chinese Medical Journal</i> , <b>2010</b> , 123, 1417-21	2.9	2
12	Crx Is Posttranscriptionally Regulated by Light Stimulation in Postnatal Rat Retina. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 174	5.7	1
11	An optimized gene transfection system in WERI-Rb1 cells. <i>International Journal of Molecular Medicine</i> , <b>2017</b> , 40, 801-813	4.4	1
10	Generation of retinal ganglion-like cells from reprogrammed mouse fibroblasts: IOVS 2010; 51(11): 5970-5978. <i>Annals of Neurosciences</i> , <b>2011</b> , 18, 64-5	1.1	1
9	Induction of corneal epithelial progenitors from bone-marrow mesenchymal stem cells of rhesus monkeys in vitro. <i>Science Bulletin</i> , <b>2007</b> , 52, 2216-2225		1
8	Tetramethylpyrazine downregulates transcription of the CXC receptor4 (CXCR4) via nuclear respiratory factor-1 (Nrf-1) in WERI-Rb1 retinoblastoma cells. <i>Oncology Reports</i> , <b>2019</b> , 42, 1214-1224	3.5	1
7	Ten-year follow-up of familial nanophthalmos in three siblings. <i>Yan Ke Xue Bao = Eye Science</i> , <b>2013</b> , 28, 113-8		1
6	One-month IOP in mitomycin C-augmented trabeculectomy can predict long-term IOP control in chronic primary angle-closure glaucoma. <i>International Ophthalmology</i> , <b>2019</b> , 39, 2335-2340	2.2	0
5	Retrograde fluorogold labeling of retinal ganglion cells in neonatal mice. <i>Annals of Translational Medicine</i> , <b>2021</b> , 9, 878	3.2	0

- 4 Posture-Dependent 24-Hour Intraocular Pressure Fluctuation Patterns in an Intraocular Hypertension Monkey Model. *Translational Vision Science and Technology*, **2019**, 8, 63 3.3
- 3 TonoVet versus Tonopen in a high intraocular pressure monkey model. *Molecular Vision*, **2019**, 25, 391-399, 3
- 2 Enhanced migration of engrafted retinal progenitor cells into the host retina via disruption of glial barriers. *Molecular Vision*, **2021**, 27, 300-308 2.3
- 1 Evaluation of *SLC12A3* as a candidate gene for primary angle closure glaucoma. *Molecular Vision*, **2021**, 27, 734-740, 1