Xue Chen

List of Publications by Citations

100 papers	2,262 citations	25 h-index	45 g-index
107 ext. papers	2,817 ext. citations	6.2 avg, IF	4.67 L-index

#	Paper	IF	Citations
100	Circular Noncoding RNA HIPK3 Mediates Retinal Vascular Dysfunction in Diabetes Mellitus. *Circulation*, **2017**, 136, 1629-1642	16.7	305
99	mTOR-mediated dedifferentiation of the retinal pigment epithelium initiates photoreceptor degeneration in mice. *Journal of Clinical Investigation*, **2011**, 121, 369-83	15.9	198
98	Hedgehog signaling restrains bladder cancer progression by eliciting stromal production of urothelial differentiation factors. *Cancer Cell*, **2014**, 26, 521-33	24.3	126
97	Autosomal-dominant retinitis pigmentosa caused by a mutation in SNRNP200, a gene required for unwinding of U4/U6 snRNAs. *American Journal of Human Genetics*, **2009**, 85, 617-27	11	115
96	Identification and Characterization of Circular RNAs as a New Class of Putative Biomarkers in Diabetes Retinopathy **2017**, 58, 6500-6509		110
95	Targeting pericyte-endothelial cell crosstalk by circular RNA-cPWWP2A inhibition aggravates diabetes-induced microvascular dysfunction. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7455-7464	11.5	100
94	PRPF4 mutations cause autosomal dominant retinitis pigmentosa. *Human Molecular Genetics*, **2014**, 23, 2926-39	5.6	76
93	Generation of Cre transgenic mice with postnatal RPE-specific ocular expression **2011**, 52, 1378-83		60
92	Targeted sequencing of 179 genes associated with hereditary retinal dystrophies and 10 candidate genes identifies novel and known mutations in patients with various retinal diseases **2013**, 54, 2186-97		54
91	Circular RNA-ZNF532 regulates diabetes-induced retinal pericyte degeneration and vascular dysfunction. *Journal of Clinical Investigation*, **2020**, 130, 3833-3847	15.9	42
90	Diabetes mellitus and risk of age-related macular degeneration: a systematic review and meta-analysis. *PLoS ONE*, **2014**, 9, e108196	3.7	41
89	A novel locus (RP33) for autosomal dominant retinitis pigmentosa mapping to chromosomal region 2cen-q12.1. *Human Genetics*, **2006**, 119, 617-23	6.3	39
88	Mesoporous silica nanoparticles as a delivery system for improving antiangiogenic therapy. *International Journal of Nanomedicine*, **2019**, 14, 1489-1501	7.3	38
87	Proline mediates metabolic communication between retinal pigment epithelial cells and the retina. *Journal of Biological Chemistry*, **2019**, 294, 10278-10289	5.4	36
86	is mutated in a distinct type of Usher syndrome. *Journal of Medical Genetics*, **2017**, 54, 190-195	5.8	33
85	Stromal activity coordinates a niche signaling program for mammary epithelial stem cells. *Science*, **2017**, 356,	33.3	32
84	LncRNA ZNF503-AS1 promotes RPE differentiation by downregulating ZNF503 expression. *Cell Death and Disease*, **2017**, 8, e3046	9.8	31

83	Facilitation of Gene Transfection and Cell Adhesion by Gelatin-Functionalized PCL Film Surfaces. *Advanced Functional Materials*, **2012**, 22, 1835-1842	15.6	29
82	mTOR pathway activation in age-related retinal disease. *Aging*, **2011**, 3, 346-7	5.6	29
81	MicroRNA-184 promotes differentiation of the retinal pigment epithelium by targeting the AKT2/mTOR signaling pathway. *Oncotarget*, **2016**, 7, 52340-52353	3.3	29
80	Trans-Corneal Subretinal Injection in Mice and Its Effect on the Function and Morphology of the Retina. *PLoS ONE*, **2015**, 10, e0136523	3.7	28
79	Novel and recurrent MYO7A mutations in Usher syndrome type 1 and type 2. *PLoS ONE*, **2014**, 9, e97808	3.7	27
78	Local targeted therapy of liver metastasis from colon cancer by galactosylated liposome encapsulated with doxorubicin. *PLoS ONE*, **2013**, 8, e73860	3.7	27
77	Effect of nanoencapsulation using poly (lactide-co-glycolide) (PLGA) on anti-angiogenic activity of bevacizumab for ocular angiogenesis therapy. *Biomedicine and Pharmacotherapy*, **2018**, 107, 1056-1063	7.5	27
76	Spatially restricted Hedgehog signalling regulates HGF-induced branching of the adult prostate. *Nature Cell Biology*, **2014**, 16, 1135-45	23.4	25
75	Protective effects of astragaloside IV on db/db mice with diabetic retinopathy. *PLoS ONE*, **2014**, 9, e112207	3.7	25
74	VEGF-B is a potent antioxidant. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 10351-10356	11.5	25
73	Targeted next-generation sequencing reveals novel EYS mutations in Chinese families with autosomal recessive retinitis pigmentosa. *Scientific Reports*, **2015**, 5, 8927	4.9	24
72	Novel and recurrent KIF21A mutations in congenital fibrosis of the extraocular muscles type 1 and 3. *JAMA Ophthalmology*, **2008**, 126, 388-94		24
71	Abnormal mTORC1 signaling leads to retinal pigment epithelium degeneration. *Theranostics*, **2019**, 9, 1170-1180	12.1	22
70	SPP2 Mutations Cause Autosomal Dominant Retinitis Pigmentosa. *Scientific Reports*, **2015**, 5, 14867	4.9	22
69	Targeted next-generation sequencing reveals novel USH2A mutations associated with diverse disease phenotypes: implications for clinical and molecular diagnosis. *PLoS ONE*, **2014**, 9, e105439	3.7	22
68	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, 14806-11	11.5	21
67	Gene-based Therapy in a Mouse Model of Blue Cone Monochromacy. *Scientific Reports*, **2017**, 7, 6690	4.9	21
66	GUCA1A mutation causes maculopathy in a five-generation family with a wide spectrum of severity. *Genetics in Medicine*, **2017**, 19, 945-954	8.1	19

65	Vitreal delivery of AAV vectored Cnga3 restores cone function in CNGA3-/-/Nrl-/- mice, an all-cone model of CNGA3 achromatopsia. *Human Molecular Genetics*, **2015**, 24, 3699-707	5.6	18
64	Circular Noncoding RNA NR3C1 Acts as a miR-382-5p Sponge to Protect RPE Functions via Regulating PTEN/AKT/mTOR Signaling Pathway. *Molecular Therapy*, **2020**, 28, 929-945	11.7	16
63	Efficacy and Safety of Erythropoietin to Prevent Acute Kidney Injury in Patients With Critical Illness or Perioperative Care: A Systematic Review and Meta-analysis of Randomized Controlled Trials. *Journal of Cardiovascular Pharmacology*, **2015**, 65, 593-600	3.1	16
62	Molecular genetic testing in clinical diagnostic assessments that demonstrate correlations in patients with autosomal recessive inherited retinal dystrophy. *JAMA Ophthalmology*, **2015**, 133, 427-36	3.9	16
61	Mutation analysis of pre-mRNA splicing genes in Chinese families with retinitis pigmentosa. *Molecular Vision*, **2014**, 20, 770-9	2.3	14
60	CRB2 mutation causes autosomal recessive retinitis pigmentosa. *Experimental Eye Research*, **2019**, 180, 164-173	3.7	14
59	VEGF-B inhibits hyperglycemia- and Macugen-induced retinal apoptosis. *Scientific Reports*, **2016**, 6, 26059	4.9	13
58	Prevalence of restless legs syndrome in chronic kidney disease: a systematic review and meta-analysis of observational studies. *Renal Failure*, **2016**, 38, 1335-1346	2.9	13
57	Risk score to predict mortality in continuous ambulatory peritoneal dialysis patients. *European Journal of Clinical Investigation*, **2014**, 44, 1095-103	4.6	13
56	Whole-exome sequencing revealed HKDC1 as a candidate gene associated with autosomal-recessive retinitis pigmentosa. *Human Molecular Genetics*, **2018**, 27, 4157-4168	5.6	12
55	Two novel mutations of fibrillin-1 gene correlate with different phenotypes of Marfan syndrome in Chinese families. *Molecular Vision*, **2013**, 19, 751-8	2.3	12
54	Targeted next-generation sequencing extends the phenotypic and mutational spectrums for EYS mutations. *Molecular Vision*, **2016**, 22, 646-57	2.3	12
53	Novel function of VEGF-B as an antioxidant and therapeutic implications. *Pharmacological Research*, **2019**, 143, 33-39	10.2	11
52	Circular RNA-ZBTB44 regulates the development of choroidal neovascularization. *Theranostics*, **2020**, 10, 3293-3307	12.1	10
51	LINC00167 Regulates RPE Differentiation by Targeting the miR-203a-3p/SOCS3 Axis. *Molecular Therapy - Nucleic Acids*, **2020**, 19, 1015-1026	10.7	10
50	The retina and retinal pigment epithelium differ in nitrogen metabolism and are metabolically connected. *Journal of Biological Chemistry*, **2020**, 295, 2324-2335	5.4	10
49	Lipidated L2 epitope repeats fused with a single-chain antibody fragment targeting human FcRI elicited cross-neutralizing antibodies against a broad spectrum of human papillomavirus types. *Vaccine*, **2016**, 34, 5531-5539	4.1	10
48	Distinct mutations with different inheritance mode caused similar retinal dystrophies in one family: a demonstration of the importance of genetic annotations in complicated pedigrees. *Journal of Translational Medicine*, **2018**, 16, 145	8.5	10

47	In vivo confocal laser scanning microscopy of corneal nerves in leprosy. *JAMA Ophthalmology*, **2008**, 126, 282-4		10
46	Nomogram for Predicting Cardiovascular Mortality in Incident Peritoneal Dialysis Patients: An Observational Study. *Scientific Reports*, **2017**, 7, 13889	4.9	9
45	Differentially expressed circular RNAs in orbital adipose/connective tissue from patients with thyroid-associated ophthalmopathy. *Experimental Eye Research*, **2020**, 196, 108036	3.7	9
44	Next-generation Sequencing Extends the Phenotypic Spectrum for LCA5 Mutations: Novel LCA5 Mutations in Cone Dystrophy. *Scientific Reports*, **2016**, 6, 24357	4.9	8
43	Comprehensive circular RNA profiling of proliferative vitreoretinopathy and its clinical significance. *Biomedicine and Pharmacotherapy*, **2019**, 111, 548-554	7.5	8
42	c-Jun-mediated microRNA-302d-3p induces RPE dedifferentiation by targeting p21. *Cell Death and Disease*, **2018**, 9, 451	9.8	7
41	A novel homozygous BEST1 mutation correlates with complex ocular phenotypes. *Ophthalmology*, **2013**, 120, 1511-2.e2	7.3	7
40	PDGF-CC underlies resistance to VEGF-A inhibition and combinatorial targeting of both suppresses pathological angiogenesis more efficiently. *Oncotarget*, **2016**, 7, 77902-77915	3.3	7
39	Human papillomavirus 16L1-58L2 chimeric virus-like particles elicit durable neutralizing antibody responses against a broad-spectrum of human papillomavirus types. *Oncotarget*, **2017**, 8, 63333-63344	3.3	7
38	Endoscopic submucosal dissection for silent gastric Dieulafoy lesions mimicking gastrointestinal stromal tumors: Report of 7 cases-a case report series. *Medicine (United States)*, **2016**, 95, e4829	1.8	6
37	Change of Retinal Nerve Layer Thickness in Non-Arteritic Anterior Ischemic Optic Neuropathy Revealed by Fourier Domain Optical Coherence Tomography. *Current Eye Research*, **2016**, 41, 1076-1081	2.9	6
36	JAM-C maintains VEGR2 expression to promote retinal pigment epithelium cell survival under oxidative stress. *Thrombosis and Haemostasis*, **2017**, 117, 750-757	7	5
35	Integrative transcriptomics and proteomic analysis of extraocular muscles from patients with thyroid-associated ophthalmopathy. *Experimental Eye Research*, **2020**, 193, 107962	3.7	4
34	Whole exome sequencing confirms the clinical diagnosis of Marfan syndrome combined with X-linked hypophosphatemia. *Journal of Translational Medicine*, **2015**, 13, 179	8.5	4
33	Phenotype of Usher syndrome type II assosiated with compound missense mutations of c.721 C>T and c.1969 C>T in MYO7A in a Chinese Usher syndrome family. *International Journal of Ophthalmology*, **2015**, 8, 670-4	1.4	4
32	mutation in a Chinese family with unusual Crouzon syndrome. *International Journal of Ophthalmology*, **2016**, 9, 1403-1408	1.4	4
31	A large family with inherited optic disc anomalies: a correlation between a new genetic locus and complex ocular phenotypes. *Scientific Reports*, **2017**, 7, 7799	4.9	3
30	Helium-neon laser therapy in the treatment of hydroxyapatite orbital implant exposure: A superior option. *Experimental and Therapeutic Medicine*, **2015**, 10, 1074-1078	2.1	3

29	Knocking Down Snrnp200 Initiates Demorphogenesis of Rod Photoreceptors in Zebrafish. *Journal of Ophthalmology*, **2015**, 2015, 816329	2	3
28	Room tilt illusion influenced by head position. *Journal of Neuro-Ophthalmology*, **2007**, 27, 297-9	2.6	3
27	Maternal germline mosaicism of kinesin family member 21A (KIF21A) mutation causes complex phenotypes in a Chinese family with congenital fibrosis of the extraocular muscles. *Molecular Vision* , **2014**, 20, 15-23	2.3	3
26	Disrupted neural signals in patients with concomitant exotropia. *Ophthalmic and Physiological Optics*, **2020**, 40, 650-659	4.1	3
25	IFT52 as a Novel Candidate for Ciliopathies Involving Retinal Degeneration **2018**, 59, 4581-4589		3
24	C2 rs547154 polymorphism and polypoidal choroidal vasculopathy susceptibility: a meta-analysis. *Scientific Reports*, **2015**, 5, 8709	4.9	2
23	Comparative Genome Analysis Reveals the Molecular Basis of Niche Adaptation of Strains. *Frontiers in Genetics*, **2020**, 11, 566080	4.5	2
22	The stability of horizontal ocular alignment of triad exotropia after one-step triple surgery. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2020**, 258, 899-908	3.8	2
21	Evaluation of the safety and quality of day-case cataract surgery based on 4151 cases. *International Journal of Ophthalmology*, **2019**, 12, 291-295	1.4	2
20	Targeted next-generation sequencing extends the mutational spectrums for mutations in Chinese families with optic atrophy. *Molecular Vision*, **2019**, 25, 912-920	2.3	2
19	Metabolic signature of eyelid basal cell carcinoma. *Experimental Eye Research*, **2020**, 198, 108140	3.7	2
18	Induction of cross-neutralizing antibodies by sequential immunization with heterologous papillomavirus L1VLPs and its implications for HPV prophylactic vaccines. *Journal of Medical Virology*, **2020**, 92, 3750	19.7	2
17	Identification of differentially expressed long non-coding RNAs and mRNAs in orbital adipose/connective tissue of thyroid-associated ophthalmopathy. *Genomics*, **2021**, 113, 440-449	4.3	2
16	Lateral rectus belly transposition without tenotomy for acquired inferior rectus weakness: a Case series. *Journal of AAPOS*, **2020**, 24, 40-42	1.3	1
15	Inferior rectus belly transposition for residual esotropia after augmented superior rectus transposition and medial rectus recession in patients with chronic abducens nerve palsy: a case series. *Journal of AAPOS*, **2020**, 24, 110-113	1.3	1
14	Graded superior oblique tendon suture lengthening: A novel procedure. *European Journal of Ophthalmology*, **2021**, 31, 2639-2646	1.9	1
13	Systematic evaluation of the effect of polyadenylation signal variants on the expression of disease-associated genes. *Genome Research*, **2021**, 31, 890-899	9.7	1
12	Comparative Analysis of Differentially Expressed Circular RNAs in Polarized Macrophages.. *Frontiers in Genetics*, **2022**, 13, 823517	4.5	1

11	Loss and enhancement of layer-selective signals in geniculostriate and corticotectal pathways of adult human amblyopia.. *Cell Reports*, **2021**, 37, 110117	10.6	1
10	Ocular Manifestations of Acute Secondary Angle Closure Associated With Lens Subluxation.. *Frontiers in Medicine*, **2021**, 8, 738745	4.9	0
9	Variants identified by next-generation sequencing cause endoplasmic reticulum stress in Rhodopsin-associated retinitis pigmentosa. *BMC Ophthalmology*, **2021**, 21, 371	2.3	0
8	DCZ3301, an aryl-guanidino agent, inhibits ocular neovascularization via PI3K/AKT and ERK1/2 signaling pathways. *Experimental Eye Research*, **2020**, 201, 108267	3.7	0
7	Effect of inferior oblique muscle belly transposition on versions and vertical alignment in primary position. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2021**, 259, 3461-3468	3.8	0
6	Outcomes of modified vertical rectus belly transposition versus augmented superior rectus transposition for chronic abducens nerve palsy. *Journal of AAPOS*, **2021**, 25, 7.e1-7.e6	1.3	0
5	Adipose/Connective Tissue From Thyroid-Associated Ophthalmopathy Uncovers Interdependence Between Methylation and Disease Pathogenesis: A Genome-Wide Methylation Analysis. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 716871	5.7	0
4	Differential expression and alternative splicing of transcripts in orbital adipose/connective tissue of thyroid-associated ophthalmopathy. *Experimental Biology and Medicine*, **2021**, 246, 1990-2006	3.7	
3	The Retinitis Pigmentosa Genes. *Essentials in Ophthalmology*, **2021**, 207-221	0.2	
2	Short-Term Near Stereoacuity Improvements Following Favorable Surgical Alignment in Exotropic and Esotropic Patients. *Seminars in Ophthalmology*, **2021**, 1-10	2.4	
1	Outcomes of a Simple Lateral Rectus Belly Transposition Procedure Combined With Ipsilateral Antagonist Recession for Vertical Rectus Palsy.. *Journal of Pediatric Ophthalmology and Strabismus*, **2022**, 1-9	0.9	