Kang Zhang

List of Publications by Citations

280 papers	30,773 citations	81 h-index	172 g-index
299 ext. papers	37,423 ext. citations	13.3 avg, IF	6.8 L-index

#	Paper	IF	Citations
280	Genome-wide methylation profiles reveal quantitative views of human aging rates. *Molecular Cell*, **2013**, 49, 359-367	17.6	1681
279	Identifying Medical Diagnoses and Treatable Diseases by Image-Based Deep Learning. *Cell*, **2018**, 172, 1122-1131.e9	56.2	1563
278	Targeted genome modification of crop plants using a CRISPR-Cas system. *Nature Biotechnology*, **2013**, 31, 686-8	44.5	1266
277	Characteristics of pediatric SARS-CoV-2 infection and potential evidence for persistent fecal viral shedding. *Nature Medicine*, **2020**, 26, 502-505	50.5	952
276	Nanoparticle biointerfacing by platelet membrane cloaking. *Nature*, **2015**, 526, 118-21	50.4	890
275	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. *Nature Genetics*, **2016**, 48, 134-43	36.3	769
274	Sequence- and target-independent angiogenesis suppression by siRNA via TLR3. *Nature*, **2008**, 452, 591-7	50.4	769
273	Vascular development in the retina and inner ear: control by Norrin and Frizzled-4, a high-affinity ligand-receptor pair. *Cell*, **2004**, 116, 883-95	56.2	673
272	Seven-year outcomes in ranibizumab-treated patients in ANCHOR, MARINA, and HORIZON: a multicenter cohort study (SEVEN-UP). *Ophthalmology*, **2013**, 120, 2292-9	7.3	669
271	A variant of the HTRA1 gene increases susceptibility to age-related macular degeneration. *Science*, **2006**, 314, 992-3	33.3	648
270	In vivo genome editing via CRISPR/Cas9 mediated homology-independent targeted integration. *Nature*, **2016**, 540, 144-149	50.4	645
269	Seven new loci associated with age-related macular degeneration. *Nature Genetics*, **2013**, 45, 433-9, 439e1-2	36.3	577
268	Reprogramming of human primary somatic cells by OCT4 and chemical compounds. *Cell Stem Cell*, **2010**, 7, 651-5	18	525
267	Direct reprogramming of mouse fibroblasts to neural progenitors. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 7838-43	11.5	492
266	Sustained axon regeneration induced by co-deletion of PTEN and SOCS3. *Nature*, **2011**, 480, 372-5	50.4	491
265	Drusen complement components C3a and C5a promote choroidal neovascularization. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 2328-33	11.5	488
264	The practical implementation of artificial intelligence technologies in medicine. *Nature Medicine*, **2019**, 25, 30-36	50.5	477

263	Circulating tumour DNA methylation markers for diagnosis and prognosis of hepatocellular carcinoma. *Nature Materials*, **2017**, 16, 1155-1161	27	387
262	Direct conversion of fibroblasts to neurons by reprogramming PTB-regulated microRNA circuits. *Cell*, **2013**, 152, 82-96	56.2	383
261	3D printing of functional biomaterials for tissue engineering. *Current Opinion in Biotechnology*, **2016**, 40, 103-112	11.4	382
260	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. *Nature*, **2020**, 586, 572-577	50.4	348
259	Genome-wide association study of advanced age-related macular degeneration identifies a role of the hepatic lipase gene (LIPC). *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7395-400	11.5	345
258	Clinically Applicable AI System for Accurate Diagnosis, Quantitative Measurements, and Prognosis of COVID-19 Pneumonia Using Computed Tomography. *Cell*, **2020**, 181, 1423-1433.e11	56.2	314
257	Direct 3D bioprinting of prevascularized tissue constructs with complex microarchitecture. *Biomaterials*, **2017**, 124, 106-115	15.6	313
256	Robo4 stabilizes the vascular network by inhibiting pathologic angiogenesis and endothelial hyperpermeability. *Nature Medicine*, **2008**, 14, 448-53	50.5	308
255	Mutant Gq/11 promote uveal melanoma tumorigenesis by activating YAP. *Cancer Cell*, **2014**, 25, 822-30	24.3	307
254	Ranibizumab for predominantly classic neovascular age-related macular degeneration: subgroup analysis of first-year ANCHOR results. *American Journal of Ophthalmology*, **2007**, 144, 850-857	4.9	307
253	A 5-bp deletion in ELOVL4 is associated with two related forms of autosomal dominant macular dystrophy. *Nature Genetics*, **2001**, 27, 89-93	36.3	292
252	Mutations in LRP5 or FZD4 underlie the common familial exudative vitreoretinopathy locus on chromosome 11q. *American Journal of Human Genetics*, **2004**, 74, 721-30	11	287
251	Rapid induction and long-term self-renewal of primitive neural precursors from human embryonic stem cells by small molecule inhibitors. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 8299-304	11.5	284
250	Seroprevalence of immunoglobulin M and G antibodies against SARS-CoV-2 in China. *Nature Medicine*, **2020**, 26, 1193-1195	50.5	258
249	DNA methylation aging clocks: challenges and recommendations. *Genome Biology*, **2019**, 20, 249	18.3	248
248	Lanosterol reverses protein aggregation in cataracts. *Nature*, **2015**, 523, 607-11	50.4	242
247	Identification of methylation haplotype blocks aids in deconvolution of heterogeneous tissue samples and tumor tissue-of-origin mapping from plasma DNA. *Nature Genetics*, **2017**, 49, 635-642	36.3	237
246	Ophthalmic drug discovery: novel targets and mechanisms for retinal diseases and glaucoma. *Nature Reviews Drug Discovery*, **2012**, 11, 541-59	64.1	232

245	DNA methylation markers for diagnosis and prognosis of common cancers. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 7414-7419	11.5	231
244	Common variants at 9p21 and 8q22 are associated with increased susceptibility to optic nerve degeneration in glaucoma. *PLoS Genetics*, **2012**, 8, e1002654	6	227
243	Bio-inspired detoxification using 3D-printed hydrogel nanocomposites. *Nature Communications*, **2014**, 5, 3774	17.4	219
242	Ciliary neurotrophic factor delivered by encapsulated cell intraocular implants for treatment of geographic atrophy in age-related macular degeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 6241-5	11.5	218
241	Evaluation and accurate diagnoses of pediatric diseases using artificial intelligence. *Nature Medicine* , **2019**, 25, 433-438	50.5	206
240	'Marker-of-self' functionalization of nanoscale particles through a top-down cellular membrane coating approach. *Nanoscale*, **2013**, 5, 2664-8	7.7	202
239	Systemic complement inhibition with eculizumab for geographic atrophy in age-related macular degeneration: the COMPLETE study. *Ophthalmology*, **2014**, 121, 693-701	7.3	200
238	Systematic review and meta-analysis of the association between complement factor H Y402H polymorphisms and age-related macular degeneration. *Human Molecular Genetics*, **2006**, 15, 2784-90	5.6	192
237	Toll-like receptor 3 and geographic atrophy in age-related macular degeneration. *New England Journal of Medicine*, **2008**, 359, 1456-63	59.2	180
236	Murine ccl2/cx3cr1 deficiency results in retinal lesions mimicking human age-related macular degeneration. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 3827-36		173
235	Next generation sequencing-based molecular diagnosis of retinitis pigmentosa: identification of a novel genotype-phenotype correlation and clinical refinements. *Human Genetics*, **2014**, 133, 331-45	6.3	172
234	Caspase-8 promotes NLRP1/NLRP3 inflammasome activation and IL-1 production in acute glaucoma. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 11181-6	11.5	172
233	Slit2-Robo4 signalling promotes vascular stability by blocking Arf6 activity. *Nature Cell Biology*, **2009**, 11, 1325-31	23.4	171
232	Clearance of pathological antibodies using biomimetic nanoparticles. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13481-6	11.5	170
231	Methylome-wide Analysis of Chronic HIV Infection Reveals Five-Year Increase in Biological Age and Epigenetic Targeting of HLA. *Molecular Cell*, **2016**, 62, 157-168	17.6	166
230	CFH Y402H confers similar risk of soft drusen and both forms of advanced AMD. *PLoS Medicine*, **2006**, 3, e5	11.6	161
229	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. *Nature Genetics*, **2016**, 48, 189-94	36.3	159
228	Promoter polymorphism of the erythropoietin gene in severe diabetic eye and kidney complications. *Proceedings of the National Academy of Sciences of the United States of America*, **2008** , 105, 6998-7003	11.5	157

227	Treatment of retinitis pigmentosa due to MERTK mutations by ocular subretinal injection of adeno-associated virus gene vector: results of a phase I trial. *Human Genetics*, **2016**, 135, 327-43	6.3	156
226	Mutant prominin 1 found in patients with macular degeneration disrupts photoreceptor disk morphogenesis in mice. *Journal of Clinical Investigation*, **2008**, 118, 2908-16	15.9	154
225	WNT7A and PAX6 define corneal epithelium homeostasis and pathogenesis. *Nature*, **2014**, 511, 358-61	50.4	148
224	Safe and Immunocompatible Nanocarriers Cloaked in RBC Membranes for Drug Delivery to Treat Solid Tumors. *Theranostics*, **2016**, 6, 1004-11	12.1	139
223	Identification of a rare coding variant in complement 3 associated with age-related macular degeneration. *Nature Genetics*, **2013**, 45, 1375-9	36.3	130
222	Macular atrophy progression and 7-year vision outcomes in subjects from the ANCHOR, MARINA, and HORIZON studies: the SEVEN-UP study. *American Journal of Ophthalmology*, **2015**, 159, 915-24.e2	4.9	125
221	Lens regeneration using endogenous stem cells with gain of visual function. *Nature*, **2016**, 531, 323-8	50.4	125
220	Circulating tumor DNA methylation profiles enable early diagnosis, prognosis prediction, and screening for colorectal cancer. *Science Translational Medicine*, **2020**, 12,	17.5	119
219	Hair cortisol level as a biomarker for altered hypothalamic-pituitary-adrenal activity in female adolescents with posttraumatic stress disorder after the 2008 Wenchuan earthquake. *Biological Psychiatry*, **2012**, 72, 65-9	7.9	116
218	Increased expression of multifunctional serine protease, HTRA1, in retinal pigment epithelium induces polypoidal choroidal vasculopathy in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 14578-83	11.5	114
217	Essential role of Elovl4 in very long chain fatty acid synthesis, skin permeability barrier function, and neonatal survival. *International Journal of Biological Sciences*, **2007**, 3, 111-9	11.2	109
216	Complement factor H genotypes impact risk of age-related macular degeneration by interaction with oxidized phospholipids. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 13757-62	11.5	107
215	Transcription factors Sp1 and Sp3 alter vascular endothelial growth factor receptor expression through a novel recognition sequence. *Journal of Biological Chemistry*, **1998**, 273, 19294-303	5.4	107
214	A rare nonsynonymous sequence variant in C3 is associated with high risk of age-related macular degeneration. *Nature Genetics*, **2013**, 45, 1371-4	36.3	104
213	Tissue repair and regeneration with endogenous stem cells. *Nature Reviews Materials*, **2018**, 3, 174-193	73.3	101
212	The R345W mutation in EFEMP1 is pathogenic and causes AMD-like deposits in mice. *Human Molecular Genetics*, **2007**, 16, 2411-22	5.6	100
211	HTRA1 variant confers similar risks to geographic atrophy and neovascular age-related macular degeneration. *Cell Cycle*, **2007**, 6, 1122-5	4.7	99
210	Mapping RNA-RNA interactome and RNA structure in vivo by MARIO. *Nature Communications*, **2016**, 7, 12023	17.4	97

209	Biomimetic Nanotherapies: Red Blood Cell Based Core-Shell Structured Nanocomplexes for Atherosclerosis Management. *Advanced Science*, **2019**, 6, 1900172	13.6	96
208	Conversion of mouse epiblast stem cells to an earlier pluripotency state by small molecules. *Journal of Biological Chemistry*, **2010**, 285, 29676-80	5.4	93
207	Identification and functional consequences of a new mutation (E155G) in the gene for GCAP1 that causes autosomal dominant cone dystrophy. *American Journal of Human Genetics*, **2001**, 69, 471-80	11	93
206	Age-related macular degeneration: genetic and environmental factors of disease. *Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics*, **2010**, 10, 271-81		91
205	Noninvasive prenatal diagnosis of common aneuploidies by semiconductor sequencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7415-20	11.5	90
204	A splice-site mutation in a retina-specific exon of BBS8 causes nonsyndromic retinitis pigmentosa. *American Journal of Human Genetics*, **2010**, 86, 805-12	11	88
203	Mutations in the RPGR gene cause X-linked cone dystrophy. *Human Molecular Genetics*, **2002**, 11, 605-11	5.6	84
202	Human retinal progenitor cell transplantation preserves vision. *Journal of Biological Chemistry*, **2014**, 289, 6362-6371	5.4	83
201	Dominant optic atrophy, sensorineural hearing loss, ptosis, and ophthalmoplegia: a syndrome caused by a missense mutation in OPA1. *American Journal of Ophthalmology*, **2004**, 138, 749-55	4.9	83
200	Genetic and functional dissection of HTRA1 and LOC387715 in age-related macular degeneration. *PLoS Genetics*, **2010**, 6, e1000836	6	82
199	Spectrum and frequency of FZD4 mutations in familial exudative vitreoretinopathy. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 2083-90		81
198	Regenerating Eye Tissues to Preserve and Restore Vision. *Cell Stem Cell*, **2018**, 22, 834-849	18	81
197	Noninvasive detection of fetal subchromosomal abnormalities by semiconductor sequencing of maternal plasma DNA. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14670-5	11.5	79
196	Genomic organisation and alternative splicing of human RIM1, a gene implicated in autosomal dominant cone-rod dystrophy (CORD7). *Genomics*, **2003**, 81, 304-14	4.3	78
195	A new locus for autosomal dominant stargardt-like disease maps to chromosome 4. *American Journal of Human Genetics*, **1999**, 64, 1394-9	11	75
194	COVID-19 in early 2021: current status and looking forward. *Signal Transduction and Targeted Therapy*, **2021**, 6, 114	21	74
193	Next-generation sequencing and novel variant determination in a cohort of 92 familial exudative vitreoretinopathy patients **2015**, 56, 1937-46		73
192	Association of CAV1/CAV2 genomic variants with primary open-angle glaucoma overall and by gender and pattern of visual field loss. *Ophthalmology*, **2014**, 121, 508-16	7.3	73

191	In Situ Gene Therapy via AAV-CRISPR-Cas9-Mediated Targeted Gene Regulation. *Molecular Therapy*, **2018**, 26, 1818-1827	11.7	73
190	A novel mutation in the ELOVL4 gene causes autosomal dominant Stargardt-like macular dystrophy. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 4263-7		72
189	The PROM1 mutation p.R373C causes an autosomal dominant bull's eye maculopathy associated with rod, rod-cone, and macular dystrophy **2010**, 51, 4771-80		70
188	Complement factor H genetic variant and age-related macular degeneration: effect size, modifiers and relationship to disease subtype. *International Journal of Epidemiology*, **2012**, 41, 250-62	7.8	70
187	Mutant carbonic anhydrase 4 impairs pH regulation and causes retinal photoreceptor degeneration. *Human Molecular Genetics*, **2005**, 14, 255-65	5.6	70
186	Light-responsive nanoparticle depot to control release of a small molecule angiogenesis inhibitor in the posterior segment of the eye. *Journal of Controlled Release*, **2015**, 200, 71-7	11.7	69
185	Assessing susceptibility to age-related macular degeneration with genetic markers and environmental factors. *JAMA Ophthalmology*, **2011**, 129, 344-51		68
184	Genetics of immunological and inflammatory components in age-related macular degeneration. *Ocular Immunology and Inflammation*, **2012**, 20, 27-36	2.8	65
183	High temperature requirement factor A1 (HTRA1) gene regulates angiogenesis through transforming growth factor-family member growth differentiation factor 6. *Journal of Biological Chemistry*, **2012**, 287, 1520-6	5.4	65
182	Butterfly-shaped pattern dystrophy: a genetic, clinical, and histopathological report. *JAMA Ophthalmology*, **2002**, 120, 485-90		65
181	Essential and synergistic roles of RP1 and RP1L1 in rod photoreceptor axoneme and retinitis pigmentosa. *Journal of Neuroscience*, **2009**, 29, 9748-60	6.6	64
180	A dominant Stargardt's macular dystrophy locus maps to chromosome 13q34. *JAMA Ophthalmology* , **1994**, 112, 759-64		64
179	Transgenic rhesus monkeys produced by gene transfer into early-cleavage-stage embryos using a simian immunodeficiency virus-based vector. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 17663-7	11.5	63
178	YAP-IL-6ST autoregulatory loop activated on APC loss controls colonic tumorigenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 1643-1648	11.5	61
177	Frequency and Complexity of De Novo Structural Mutation in Autism. *American Journal of Human Genetics*, **2016**, 98, 667-79	11	61
176	CDKN2B-AS1 genotype-glaucoma feature correlations in primary open-angle glaucoma patients from the United States. *American Journal of Ophthalmology*, **2013**, 155, 342-353.e5	4.9	61
175	Defective lipid transport and biosynthesis in recessive and dominant Stargardt macular degeneration. *Progress in Lipid Research*, **2010**, 49, 476-92	14.3	60
174	Essential role of ELOVL4 protein in very long chain fatty acid synthesis and retinal function. *Journal of Biological Chemistry*, **2012**, 287, 11469-80	5.4	60

173	SRPKIN-1: A Covalent SRPK1/2 Inhibitor that Potently Converts VEGF from Pro-angiogenic to Anti-angiogenic Isoform. *Cell Chemical Biology*, **2018**, 25, 460-470.e6	8.2	58
172	Change in drusen volume as a novel clinical trial endpoint for the study of complement inhibition in age-related macular degeneration. *Ophthalmic Surgery Lasers and Imaging Retina*, **2014**, 45, 18-31	1.4	58
171	Macrophage membrane functionalized biomimetic nanoparticles for targeted anti-atherosclerosis applications. *Theranostics*, **2021**, 11, 164-180	12.1	58
170	Suppression of the ELO-2 FA elongation activity results in alterations of the fatty acid composition and multiple physiological defects, including abnormal ultradian rhythms, in Caenorhabditis elegans. *Genetics*, **2003**, 163, 159-69	4	57
169	Fellow Eye Comparisons for 7-Year Outcomes in Ranibizumab-Treated AMD Subjects from ANCHOR, MARINA, and HORIZON (SEVEN-UP Study). *Ophthalmology*, **2016**, 123, 1269-77	7.3	53
168	Heterozygous and homozygous mutations in PITX3 in a large Lebanese family with posterior polar cataracts and neurodevelopmental abnormalities. *Investigative Ophthalmology and Visual Science*, **2006**, 47, 1274-80		53
167	JNK inhibition reduces apoptosis and neovascularization in a murine model of age-related macular degeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 2377-82	11.5	51
166	Production of ELOVL4 transgenic pigs: a large animal model for Stargardt-like macular degeneration. *British Journal of Ophthalmology*, **2011**, 95, 1749-54	5.5	51
165	Genetic association of LOXL1 gene variants and exfoliation glaucoma in a Utah cohort. *Cell Cycle*, **2008**, 7, 521-4	4.7	50
164	Biochemical analysis of a common human polymorphism associated with age-related macular degeneration. *Biochemistry*, **2007**, 46, 8451-61	3.2	50
163	Large-scale synthesis of lipid-polymer hybrid nanoparticles using a multi-inlet vortex reactor. *Langmuir*, **2012**, 28, 13824-9	4	49
162	The NEIGHBOR consortium primary open-angle glaucoma genome-wide association study: rationale, study design, and clinical variables. *Journal of Glaucoma*, **2013**, 22, 517-25	2.1	49
161	Statins Attenuate Activation of the NLRP3 Inflammasome by Oxidized LDL or TNF in Vascular Endothelial Cells through a PXR-Dependent Mechanism. *Molecular Pharmacology*, **2017**, 92, 256-264	4.3	48
160	SNAI2 controls the undifferentiated state of human epidermal progenitor cells. *Stem Cells*, **2014**, 32, 3209-18	5.8	47
159	CYP1B1 and MYOC mutations in 116 Chinese patients with primary congenital glaucoma. *JAMA Ophthalmology*, **2008**, 126, 1443-7		47
158	Evaluation of the ELOVL4 gene in patients with age-related macular degeneration. *Ophthalmic Genetics*, **2001**, 22, 233-9	1.2	47
157	The ABCR gene in recessive and dominant Stargardt diseases: a genetic pathway in macular degeneration. *Genomics*, **1999**, 60, 234-7	4.3	47
156	Genome-wide analysis of central corneal thickness in primary open-angle glaucoma cases in the NEIGHBOR and GLAUGEN consortia **2012**, 53, 4468-74		46

155	Loss of ER retention and sequestration of the wild-type ELOVL4 by Stargardt disease dominant negative mutants. *Molecular Vision*, **2005**, 11, 657-64	2.3	46
154	Gene and mutation independent therapy via CRISPR-Cas9 mediated cellular reprogramming in rod photoreceptors. *Cell Research*, **2017**, 27, 830-833	24.7	45
153	Tyrosine-mutant AAV8 delivery of human MERTK provides long-term retinal preservation in RCS rats **2012**, 53, 1895-904		44
152	TP53 intron 1 hotspot rearrangements are specific to sporadic osteosarcoma and can cause Li-Fraumeni syndrome. *Oncotarget*, **2015**, 6, 7727-40	3.3	43
151	Transcription Factor PAX6 (Paired Box 6) Controls Limbal Stem Cell Lineage in Development and Disease. *Journal of Biological Chemistry*, **2015**, 290, 20448-54	5.4	41
150	Common variants on chromosome 2 and risk of primary open-angle glaucoma in the Afro-Caribbean population of Barbados. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17105-10	11.5	40
149	Association of HTRA1 polymorphism and bilaterality in advanced age-related macular degeneration. *Vision Research*, **2008**, 48, 690-4	2.1	40
148	NPHS2 variation in focal and segmental glomerulosclerosis. *BMC Nephrology*, **2008**, 9, 13	2.7	40
147	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. *Molecular Cell*, **2015**, 59, 931-40	17.6	39
146	Giant cell arteritis and mortality. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2009**, 64, 365-9	6.4	39
145	Further mapping of 10q26 supports strong association of HTRA1 polymorphisms with age-related macular degeneration. *Vision Research*, **2008**, 48, 685-9	2.1	38
144	Nuclease mapping and DNA sequence analysis of transcripts from the dihydrofolate reductase-thymidylate synthase (R) region of Leishmania major. *Nucleic Acids Research*, **1990**, 18, 6399-408	20.1	38
143	Human HtrA1 in the archived eyes with age-related macular degeneration. *Transactions of the American Ophthalmological Society*, **2007**, 105, 92-7; discussion 97-8		38
142	Estrogen pathway polymorphisms in relation to primary open angle glaucoma: an analysis accounting for gender from the United States. *Molecular Vision*, **2013**, 19, 1471-81	2.3	37
141	A novel haplotype with the R345W mutation in the EFEMP1 gene associated with autosomal dominant drusen in a Japanese family **2010**, 51, 1643-50		34
140	Current status and future trends of clinical diagnoses via image-based deep learning. *Theranostics*, **2019**, 9, 7556-7565	12.1	33
139	Xenobiotic pregnane X receptor (PXR) regulates innate immunity via activation of NLRP3 inflammasome in vascular endothelial cells. *Journal of Biological Chemistry*, **2014**, 289, 30075-81	5.4	33
138	A novel GCAP1(N104K) mutation in EF-hand 3 (EF3) linked to autosomal dominant cone dystrophy. *Vision Research*, **2008**, 48, 2425-32	2.1	33

137	Autosomal dominant cone dystrophy caused by a novel mutation in the GCAP1 gene (GUCA1A). *Molecular Vision*, **2005**, 11, 143-51	2.3	33
136	Sequence and S1 nuclease mapping of the 5' region of the dihydrofolate reductase-thymidylate synthase gene of Leishmania major. *Nucleic Acids Research*, **1987**, 15, 3369-83	20.1	32
135	Induced pluripotent stem cell therapies for geographic atrophy of age-related macular degeneration. *Seminars in Ophthalmology*, **2011**, 26, 216-24	2.4	31
134	Elovl4 mRNA distribution in the developing mouse retina and phylogenetic conservation of Elovl4 genes. *Molecular Vision*, **2003**, 9, 301-7	2.3	31
133	A Common Variant in MIR182 Is Associated With Primary Open-Angle Glaucoma in the NEIGHBORHOOD Consortium **2016**, 57, 4528-4535		31
132	TCF7L2 variation and proliferative diabetic retinopathy. *Diabetes*, **2013**, 62, 2613-7	0.9	30
131	Whole-exome sequencing implicates UBE3D in age-related macular degeneration in East Asian populations. *Nature Communications*, **2015**, 6, 6687	17.4	29
130	Nestin regulates cellular redox homeostasis in lung cancer through the Keap1-Nrf2 feedback loop. *Nature Communications*, **2019**, 10, 5043	17.4	29
129	Elovl4 haploinsufficiency does not induce early onset retinal degeneration in mice. *Vision Research*, **2007**, 47, 714-22	2.1	29
128	HTRA1 variant increases risk to neovascular age-related macular degeneration in Chinese population. *Vision Research*, **2007**, 47, 3120-3	2.1	29
127	A novel mutation in the RDS/Peripherin gene causes adult-onset foveomacular dystrophy. *American Journal of Ophthalmology*, **2003**, 135, 213-8	4.9	29
126	Assessing the Association of Mitochondrial Genetic Variation With Primary Open-Angle Glaucoma Using Gene-Set Analyses **2016**, 57, 5046-5052		29
125	Dopamine release from transplanted neural stem cells in Parkinsonian rat striatum in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 15804-9	11.5	28
124	Risk factors for proliferative diabetic retinopathy in a Latino American population. *Retina*, **2014**, 34, 1594-8	3.8	28
123	Relative impact of uniaxial alignment vs. form-induced stress on differentiation of human adipose derived stem cells. *Biomaterials*, **2013**, 34, 9812-8	15.6	28
122	Identification and characterization of a novel mutation in the carbonic anhydrase IV gene that causes retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 3459-68		28
121	Optic atrophy and sensorineural hearing loss in a family caused by an R445H OPA1 mutation. *American Journal of Medical Genetics, Part A*, **2005**, 138A, 208-11	2.5	28
120	A genome-wide scan maps a novel autosomal dominant juvenile-onset open-angle glaucoma locus to 2p15-16. *Molecular Vision*, **2008**, 14, 739-44	2.3	28

119	Expression of wild type and mutant ELOVL4 in cell culture: subcellular localization and cell viability. *Molecular Vision*, **2004**, 10, 248-53	2.3	28
118	Using the Utah Population Database to assess familial risk of primary open angle glaucoma. *Vision Research*, **2010**, 50, 2391-5	2.1	27
117	A new locus for dominant drusen and macular degeneration maps to chromosome 6q14. *American Journal of Ophthalmology*, **2000**, 130, 197-202	4.9	27
116	SMARCAD1 Contributes to the Regulation of Naive Pluripotency by Interacting with Histone Citrullination. *Cell Reports*, **2017**, 18, 3117-3128	10.6	26
115	The lipid elongation enzyme ELOVL2 is a molecular regulator of aging in the retina. *Aging Cell*, **2020** , 19, e13100	9.9	26
114	Inhibition of RhoA/Rho-kinase pathway suppresses the expression of extracellular matrix induced by CTGF or TGF-□n ARPE-19. *International Journal of Ophthalmology*, **2013**, 6, 8-14	1.4	26
113	Genome-wide colocalization of RNA-DNA interactions and fusion RNA pairs. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 3328-3337	11.5	25
112	Induction of retinal progenitors and neurons from mammalian M□ler glia under defined conditions. *Journal of Biological Chemistry*, **2014**, 289, 11945-11951	5.4	25
111	An essential role of the cysteine-rich domain of FZD4 in Norrin/Wnt signaling and familial exudative vitreoretinopathy. *Journal of Biological Chemistry*, **2011**, 286, 10210-5	5.4	25
110	DHA does not protect ELOVL4 transgenic mice from retinal degeneration. *Molecular Vision*, **2009**, 15, 1185-93	2.3	25
109	Clinical Experience of Non-Invasive Prenatal Chromosomal Aneuploidy Testing in 190,277 Patient Samples. *Current Molecular Medicine*, **2016**, 16, 759-766	2.5	25
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