Zhenglin Yang

List of Publications by Citations

93 papers	3,243 citations	23 h-index	56 g-index
102 ext. papers	4,181 ext. citations	7.7 avg, IF	4.5 L-index

#	Paper	IF	Citations
93	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
92	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. *Nature*, **2020**, 586, 572-577	50.4	348
91	Seroprevalence of immunoglobulin M and G antibodies against SARS-CoV-2 in China. *Nature Medicine*, **2020**, 26, 1193-1195	50.5	258
90	Comparison of different samples for 2019 novel coronavirus detection by nucleic acid amplification tests. *International Journal of Infectious Diseases*, **2020**, 93, 264-267	10.5	227
89	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. *Nature Genetics*, **2014**, 46, 1115-9	36.3	129
88	New loci and coding variants confer risk for age-related macular degeneration in East Asians. *Nature Communications*, **2015**, 6, 6063	17.4	118
87	Genetic variants at 13q12.12 are associated with high myopia in the Han Chinese population. *American Journal of Human Genetics*, **2011**, 88, 805-813	11	95
86	A common variant near TGFBR3 is associated with primary open angle glaucoma. *Human Molecular Genetics*, **2015**, 24, 3880-92	5.6	84
85	Genetic and functional dissection of HTRA1 and LOC387715 in age-related macular degeneration. *PLoS Genetics*, **2010**, 6, e1000836	6	82
84	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. *Nature Genetics*, **2017**, 49, 993-1004	36.3	72
83	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. *Nature Genetics*, **2015**, 47, 387-92	36.3	70
82	Detection of serum IgM and IgG for COVID-19 diagnosis. *Science China Life Sciences*, **2020**, 63, 777-780	8.5	65
81	Genome-wide association analysis of Vogt-Koyanagi-Harada syndrome identifies two new susceptibility loci at 1p31.2 and 10q21.3. *Nature Genetics*, **2014**, 46, 1007-11	36.3	65
80	A genome-wide meta-analysis identifies two novel loci associated with high myopia in the Han Chinese population. *Human Molecular Genetics*, **2013**, 22, 2325-33	5.6	58
79	A Recurrent Missense Mutation in ZP3 Causes Empty Follicle Syndrome and Female Infertility. *American Journal of Human Genetics*, **2017**, 101, 459-465	11	57
78	Identification of myopia-associated WNT7B polymorphisms provides insights into the mechanism underlying the development of myopia. *Nature Communications*, **2015**, 6, 6689	17.4	56
77	Mistrafficking of prenylated proteins causes retinitis pigmentosa 2. *FASEB Journal*, **2015**, 29, 932-42	0.9	48

76	A missense variant in FGD6 confers increased risk of polypoidal choroidal vasculopathy. *Nature Genetics*, **2016**, 48, 640-7	36.3	47
75	Genetic factors define CPO and CLO subtypes of nonsyndromicorofacial cleft. *PLoS Genetics*, **2019**, 15, e1008357	6	41
74	Genetic variants in the HLA-DRB1 gene are associated with Kashin-Beck disease in the Tibetan population. *Arthritis and Rheumatism*, **2011**, 63, 3408-16		34
73	HTRA1 variant increases risk to neovascular age-related macular degeneration in Chinese population. *Vision Research*, **2007**, 47, 3120-3	2.1	29
72	Mutation screening in genes known to be responsible for Retinitis Pigmentosa in 98 Small Han Chinese Families. *Scientific Reports*, **2017**, 7, 1948	4.9	24
71	Genetic variants in PVRL2-TOMM40-APOE region are associated with human longevity in a Han Chinese population. *PLoS ONE*, **2014**, 9, e99580	3.7	24
70	A Mussel-Inspired Facile Method to Prepare Multilayer-AgNP-Loaded Contact Lens for Early Treatment of Bacterial and Fungal Keratitis. *ACS Biomaterials Science and Engineering*, **2018**, 4, 1568-1579	5.5	22
69	Association study of polymorphisms in selenoprotein genes and Kashin-Beck disease and serum selenium/iodine concentration in a Tibetan population. *PLoS ONE*, **2013**, 8, e71411	3.7	19
68	Exome sequencing revealed Notch ligand JAG1 as a novel candidate gene for familial exudative vitreoretinopathy. *Genetics in Medicine*, **2020**, 22, 77-84	8.1	19
67	Scleral HIF-1 is a prominent regulatory candidate for genetic and environmental interactions in human myopia pathogenesis. *EBioMedicine*, **2020**, 57, 102878	8.8	18
66	Dynamic blood single-cell immune responses in patients with COVID-19. *Signal Transduction and Targeted Therapy*, **2021**, 6, 110	21	18
65	A splicing mutation in aryl hydrocarbon receptor associated with retinitis pigmentosa. *Human Molecular Genetics*, **2018**, 27, 2563-2572	5.6	17
64	Mutation spectrum of CYP1B1 in Chinese patients with primary open-angle glaucoma. *British Journal of Ophthalmology*, **2015**, 99, 425-30	5.5	15
63	Catenin 1 mutations cause familial exudative vitreoretinopathy by overactivating Norrin/catenin signaling. *Journal of Clinical Investigation*, **2021**, 131,	15.9	15
62	Exome sequencing analysis identifies compound heterozygous mutation in ABCA4 in a Chinese family with Stargardt disease. *PLoS ONE*, **2014**, 9, e91962	3.7	14
61	Novel mutations in the TSPAN12 gene in Chinese patients with familial exudative vitreoretinopathy. *Molecular Vision*, **2014**, 20, 1296-306	2.3	13
60	Genome-wide analysis identified 17 new loci influencing intraocular pressure in Chinese population. *Science China Life Sciences*, **2019**, 62, 153-164	8.5	13
59	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

58	Evaluation of the Association Between Common Genetic Variants Near the ABCA1 Gene and Primary Angle Closure Glaucoma in a Han Chinese Population **2015**, 56, 6248-54		12
57	Altered intrinsic brain activity in patients with familial cortical myoclonic tremor and epilepsy: an amplitude of low-frequency fluctuation study. *Journal of the Neurological Sciences*, **2015**, 351, 133-139	3.2	10
56	Mutant RAMP2 causes primary open-angle glaucoma via the CRLR-cAMP axis. *Genetics in Medicine*, **2019**, 21, 2345-2354	8.1	9
55	Whole-exome sequencing reveals a novel frameshift mutation in the FAM161A gene causing autosomal recessive retinitis pigmentosa in the Indian population. *Journal of Human Genetics*, **2015**, 60, 625-30	4.3	9
54	Autologous Fat Graft for the Treatment of Sighted Posttraumatic Enophthalmos and Sunken Upper Eyelid. *Ophthalmic Plastic and Reconstructive Surgery*, **2018**, 34, 381-386	1.4	9
53	Mutation screening of the USH2A gene in retinitis pigmentosa and USHER patients in a Han Chinese population. *Eye*, **2018**, 32, 1608-1614	4.4	9
52	A novel PRPF31 mutation in a large Chinese family with autosomal dominant retinitis pigmentosa and macular degeneration. *PLoS ONE*, **2013**, 8, e78274	3.7	9
51	Update on the application of optic nerve sheath fenestration. *Restorative Neurology and Neuroscience*, **2017**, 35, 275-286	2.8	8
50	A comprehensive analysis of NPHS1 gene mutations in patients with sporadic focal segmental glomerulosclerosis. *BMC Medical Genetics*, **2019**, 20, 111	2.1	8
49	Whole-exome sequencing identifies a novel homozygous frameshift mutation in the PROM1 gene as a causative mutation in two patients with sporadic retinitis pigmentosa. *International Journal of Molecular Medicine*, **2016**, 37, 1528-34	4.4	8
48	Association study of candidate genes for susceptibility to Kashin-Beck disease in a Tibetan population. *BMC Medical Genetics*, **2017**, 18, 69	2.1	8
47	Identification of a novel MYOC mutation in a Chinese family with primary open-angle glaucoma. *Gene*, **2015**, 571, 188-93	3.8	7
46	Whole-Exome Sequencing Identified as a Candidate Gene for Familial Exudative Vitreoretinopathy. *Genetic Testing and Molecular Biomarkers*, **2021**, 25, 309-316	1.6	7
45	Association of catalase polymorphisms with primary open-angle glaucoma in a Chinese population. *Ophthalmic Genetics*, **2018**, 39, 35-40	1.2	6
44	Whole exome sequencing identified novel CRB1 mutations in Chinese and Indian populations with autosomal recessive retinitis pigmentosa. *Scientific Reports*, **2016**, 6, 33681	4.9	6
43	The ER membrane protein complex subunit Emc3 controls angiogenesis via the FZD4/WNT signaling axis. *Science China Life Sciences*, **2021**, 64, 1868-1883	8.5	6
42	Associations of 6p21.3 Region with Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy. *Scientific Reports*, **2016**, 6, 20914	4.9	5
41	Novel Compound Heterozygous CBS Mutations Cause Homocystinuria in a Han Chinese Family. *Scientific Reports*, **2015**, 5, 17947	4.9	5

40	Evaluation of four genetic variants in han chinese subjects with high myopia. *Journal of Ophthalmology*, **2015**, 2015, 729463	2	5
39	Variants in the Wnt co-receptor LRP6 are associated with familial exudative vitreoretinopathy.. *Journal of Genetics and Genomics*, **2021**,	4	5
38	Aberrant TGF-1 signaling activation by MAF underlies pathological lens growth in high myopia. *Nature Communications*, **2021**, 12, 2102	17.4	5
37	A novel deleterious mutation in the COMP gene that causes pseudoachondroplasia. *Human Genome Variation*, **2016**, 3, 16009	1.8	5
36	Association of IGF1 and IGF1R gene polymorphisms with high myopia in a Han Chinese population. *Ophthalmic Genetics*, **2017**, 38, 122-126	1.2	4
35	Identification of Novel Mutations in the and Genes in Patients with Familial Exudative Vitreoretinopathy in South India. *Genetic Testing and Molecular Biomarkers*, **2020**, 24, 92-98	1.6	4
34	Targeted next-generation sequencing reveals that a compound heterozygous mutation in phosphodiesterase 6a gene leads to retinitis pigmentosa in a Chinese family. *Ophthalmic Genetics*, **2018**, 39, 487-491	1.2	4
33	A novel deletion downstream of the PAX6 gene identified in a Chinese family with congenital aniridia. *Ophthalmic Genetics*, **2018**, 39, 428-436	1.2	4
32	A novel mutation in LMX1B gene causes nail-patella syndrome in a large Chinese family. *Bone*, **2008**, 43, 591-5	4.7	4
31	A Case of Hyaluronic Acid Induced Blindness With Ophthalmoplegia and Ptosis. *Ophthalmic Plastic and Reconstructive Surgery*, **2018**, 34, e184-e186	1.4	4
30	Evaluation of genome-wide susceptibility loci for high myopia in a Han Chinese population. *Ophthalmic Genetics*, **2017**, 38, 330-334	1.2	3
29	Mutation screening in the FBN1 gene responsible for Marfan syndrome and related disorder in Chinese families. *Molecular Genetics & Genomic Medicine*, **2019**, 7, e00594	2.3	3
28	Dysfunction of VIPR2 leads to myopia in humans and mice. *Journal of Medical Genetics*, **2020**,	5.8	3
27	Sin1 promotes proliferation and invasion of prostate cancer cells by modulating mTORC2-AKT and AR signaling cascades. *Life Sciences*, **2020**, 248, 117449	6.8	3
26	Brain variability in dynamic resting-state networks identified by fuzzy entropy: a scalp EEG study. *Journal of Neural Engineering*, **2021**, 18,	5	3
25	Modifying strategies for SDF-1/CXCR4 interaction during mesenchymal stem cell transplantation. *General Thoracic and Cardiovascular Surgery*, **2021**, 1	1.6	3
24	Dysregulated m6A Modification Promotes Lipogenesis and Development of Non-alcoholic Fatty Liver Disease and Hepatocellular Carcinoma.. *Molecular Therapy*, **2022**,	11.7	3
23	Association of coding and UTR variants in the known regions with wet age-related macular degeneration in Han Chinese population. *Journal of Human Genetics*, **2018**, 63, 1055-1070	4.3	2

22	Evaluation of as a candidate gene for high myopia in a Han Chinese population. *Eye and Vision (London, England)*, **2019**, 6, 33	4.9	2
21	Improving Detection Efficiency of SARS-CoV-2 Nucleic Acid Testing. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 558472	5.9	2
20	Whole-Exome Sequencing Reveals Novel Variants in Autosomal Dominant Familial Exudative Vitreoretinopathy. *Genetic Testing and Molecular Biomarkers*, **2021**, 25, 399-404	1.6	2
19	Mutation in connexin 32 causes Charcot-Marie-Tooth disease in a large Chinese family. *Muscle and Nerve*, **2010**, 42, 715-21	3.4	1
18	Proposed as a High Myopia Susceptibility Gene in Chinese Population.. *Frontiers in Genetics*, **2021**, 12, 775797	4.5	1
17	Heterozygote loss-of-function variants in the LRP5 gene cause familial exudative vitreoretinopathy.. *Clinical and Experimental Ophthalmology*, **2022**,	2.4	1
16	CD146 as a promising therapeutic target for retinal and choroidal neovascularization diseases. *Science China Life Sciences*, **2021**, 1	8.5	1
15	Identification of novel variants in the FZD4 gene associated with familial exudative vitreoretinopathy in Chinese families. *Clinical and Experimental Ophthalmology*, **2020**, 48, 356-365	2.4	1
14	Characterization of guanine nucleotide exchange activity of DH domain of human FGD2. *Protein Expression and Purification*, **2020**, 176, 105693	2	1
13	G-Protein-Coupled Estrogen Receptor 1 Promotes Gender Disparities in Hepatocellular Carcinoma via Modulation of SIN1 and mTOR Complex 2 Activity. *Molecular Cancer Research*, **2020**, 18, 1863-1875	6.6	1
12	The Clinical Prognosis of Presence and Location of Late Gadolinium Enhancement by Cardiac Magnetic Resonance Imaging in Patients with Hypertrophic Cardiomyopathy: a Single-Center Cohort Study. *Journal of Cardiovascular Translational Research*, **2021**, 14, 1001-1016	3.3	1
11	Genetic Association Study Between the COL11A1 and COL18A1 Genes and High Myopia in a Han Chinese Population. *Genetic Testing and Molecular Biomarkers*, **2018**, 22, 359-365	1.6	1
10	Identification of potential candidate genes and pathways in atrioventricular nodal reentry tachycardia by whole-exome sequencing. *Clinical and Translational Medicine*, **2020**, 10, 238-257	5.7	0
9	A modified method for preparation of fluorescent MantGDP bound CDC42. *Analytical Biochemistry*, **2020**, 610, 113846	3.1	0
8	Probing the Functional and Structural Connectivity Underlying EEG Traveling Waves. *Brain Topography*, **2021**, 1	4.3	0
7	The association of polymorphisms with diabetic retinopathy in Chinese population. *Ophthalmic Genetics*, **2021**, 42, 659-663	1.2	0
6	A quick protocol for the preparation of mouse retinal cryosections for immunohistochemistry. *Open Biology*, **2021**, 11, 210076	7	0
5	A genetic variant in IL-6 lowering its expression is protective for critical patients with COVID-19.. *Signal Transduction and Targeted Therapy*, **2022**, 7, 112	21	0

4	Exploring the R-ISS stage-specific regular networks in the progression of multiple myeloma at single-cell resolution.. *Science China Life Sciences*, **2022**, 1	8.5	0
3	A fetal mouse model of ventricular non-compaction using retinoic acid. *Pathology Research and Practice*, **2019**, 215, 152496	3.4	
2	Association of genetic variants in with high myopia in the Han population of southwestern China. *Ophthalmic Genetics*, **2021**, 1-7	1.2	
1	A novel frameshift variant in the TSPAN12 gene causes autosomal dominant FEVR.. *Molecular Genetics & Genomic Medicine*, **2022**, e1949	2.3	