

# Zhenglin Yang

## List of Publications by Year in descending order

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94  
papers

4,897  
citations

172207

29  
h-index

106150

65  
g-index

102  
all docs

102  
docs citations

102  
times ranked

9548  
citing authors

#	ARTICLE	IF	CITATIONS
1	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. <i>Nature Genetics</i> , 2016, 48, 134-143.	9.4	1,167
2	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. <i>Nature</i> , 2020, 586, 572-577.	13.7	630
3	Seroprevalence of immunoglobulin M and G antibodies against SARS-CoV-2 in China. <i>Nature Medicine</i> , 2020, 26, 1193-1195.	15.2	352
4	Comparison of different samples for 2019 novel coronavirus detection by nucleic acid amplification tests. <i>International Journal of Infectious Diseases</i> , 2020, 93, 264-267.	1.5	284
5	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. <i>Nature Genetics</i> , 2014, 46, 1115-1119.	9.4	160
6	New loci and coding variants confer risk for age-related macular degeneration in East Asians. <i>Nature Communications</i> , 2015, 6, 6063.	5.8	147
7	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. <i>Nature Genetics</i> , 2017, 49, 993-1004.	9.4	114
8	Genetic Variants at 13q12.12 Are Associated with High Myopia in the Han Chinese Population. <i>American Journal of Human Genetics</i> , 2011, 88, 805-813.	2.6	106
9	A common variant near TGFBR3 is associated with primary open angle glaucoma. <i>Human Molecular Genetics</i> , 2015, 24, 3880-3892.	1.4	105
10	Genetic and Functional Dissection of HTRA1 and LOC387715 in Age-Related Macular Degeneration. <i>PLoS Genetics</i> , 2010, 6, e1000836.	1.5	101
11	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. <i>Nature Genetics</i> , 2015, 47, 387-392.	9.4	97
12	Genome-wide association analysis of Vogt-Koyanagi-Harada syndrome identifies two new susceptibility loci at 1p31.2 and 10q21.3. <i>Nature Genetics</i> , 2014, 46, 1007-1011.	9.4	88
13	A Recurrent Missense Mutation in ZP3 Causes Empty Follicle Syndrome and Female Infertility. <i>American Journal of Human Genetics</i> , 2017, 101, 459-465.	2.6	87
14	Detection of serum IgM and IgG for COVID-19 diagnosis. <i>Science China Life Sciences</i> , 2020, 63, 777-780.	2.3	78
15	A genome-wide meta-analysis identifies two novel loci associated with high myopia in the Han Chinese population. <i>Human Molecular Genetics</i> , 2013, 22, 2325-2333.	1.4	71
16	Identification of myopia-associated WNT7B polymorphisms provides insights into the mechanism underlying the development of myopia. <i>Nature Communications</i> , 2015, 6, 6689.	5.8	70
17	Genetic factors define CPO and CLO subtypes of nonsyndromic orofacial cleft. <i>PLoS Genetics</i> , 2019, 15, e1008357.	1.5	70
18	Dynamic blood single-cell immune responses in patients with COVID-19. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 110.	7.1	69

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19	A missense variant in FGD6 confers increased risk of polypoidal choroidal vasculopathy. <i>Nature Genetics</i> , 2016, 48, 640-647.	9.4	68
20	Mistrafficking of prenylated proteins causes retinitis pigmentosa 2. <i>FASEB Journal</i> , 2015, 29, 932-942.	0.2	58
21	Scleral HIF-1 $\alpha$ is a prominent regulatory candidate for genetic and environmental interactions in human myopia pathogenesis. <i>EBioMedicine</i> , 2020, 57, 102878.	2.7	56
22	Dysregulated m6A modification promotes lipogenesis and development of non-alcoholic fatty liver disease and hepatocellular carcinoma. <i>Molecular Therapy</i> , 2022, 30, 2342-2353.	3.7	56
23	Genetic variants in the <i>HLA-DRB1</i> gene are associated with Kashin-Beck disease in the Tibetan population. <i>Arthritis and Rheumatism</i> , 2011, 63, 3408-3416.	6.7	39
24	Catenin $\beta$ 1 mutations cause familial exudative vitreoretinopathy by overactivating Norrin/ $\beta$ 2-catenin signaling. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	37
25	Mutation screening in genes known to be responsible for Retinitis Pigmentosa in 98 Small Han Chinese Families. <i>Scientific Reports</i> , 2017, 7, 1948.	1.6	34
26	Exome sequencing revealed Notch ligand JAG1 as a novel candidate gene for familial exudative vitreoretinopathy. <i>Genetics in Medicine</i> , 2020, 22, 77-84.	1.1	34
27	A Mussel-Inspired Facile Method to Prepare Multilayer-AgNP-Loaded Contact Lens for Early Treatment of Bacterial and Fungal Keratitis. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1568-1579.	2.6	32
28	HTRA1 variant increases risk to neovascular age-related macular degeneration in Chinese population. <i>Vision Research</i> , 2007, 47, 3120-3123.	0.7	31
29	Aberrant TGF- $\beta$ 1 signaling activation by MAF underlies pathological lens growth in high myopia. <i>Nature Communications</i> , 2021, 12, 2102.	5.8	31
30	A splicing mutation in aryl hydrocarbon receptor associated with retinitis pigmentosa. <i>Human Molecular Genetics</i> , 2018, 27, 2563-2572.	1.4	29
31	Genetic Variants in PVRL2-TOMM40-APOE Region Are Associated with Human Longevity in a Han Chinese Population. <i>PLoS ONE</i> , 2014, 9, e99580.	1.1	29
32	Association Study of Polymorphisms in Selenoprotein Genes and Kashin-Beck Disease and Serum Selenium/Iodine Concentration in a Tibetan Population. <i>PLoS ONE</i> , 2013, 8, e71411.	1.1	24
33	Genome-wide analysis identified 17 new loci influencing intraocular pressure in Chinese population. <i>Science China Life Sciences</i> , 2019, 62, 153-164.	2.3	24
34	Brain variability in dynamic resting-state networks identified by fuzzy entropy: a scalp EEG study. <i>Journal of Neural Engineering</i> , 2021, 18, 046097.	1.8	23
35	Variants in the Wnt co-receptor LRP6 are associated with familial exudative vitreoretinopathy. <i>Journal of Genetics and Genomics</i> , 2022, 49, 590-594.	1.7	18
36	Exome Sequencing Analysis Identifies Compound Heterozygous Mutation in ABCA4 in a Chinese Family with Stargardt Disease. <i>PLoS ONE</i> , 2014, 9, e91962.	1.1	17

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37	Mutation spectrum of <i>CYP1B1</i> in Chinese patients with primary open-angle glaucoma. <i>British Journal of Ophthalmology</i> , 2015, 99, 425-430.	2.1	17
38	Whole-Exome Sequencing Identified <i>DLG1</i> as a Candidate Gene for Familial Exudative Vitreoretinopathy. <i>Genetic Testing and Molecular Biomarkers</i> , 2021, 25, 309-316.	0.3	17
39	A genetic variant in IL-6 lowering its expression is protective for critical patients with COVID-19. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 112.	7.1	17
40	Mutant RAMP2 causes primary open-angle glaucoma via the CRLR-cAMP axis. <i>Genetics in Medicine</i> , 2019, 21, 2345-2354.	1.1	16
41	The ER membrane protein complex subunit Emc3 controls angiogenesis via the FZD4/WNT signaling axis. <i>Science China Life Sciences</i> , 2021, 64, 1868-1883.	2.3	16
42	Novel mutations in the TSPAN12 gene in Chinese patients with familial exudative vitreoretinopathy. <i>Molecular Vision</i> , 2014, 20, 1296-306.	1.1	16
43	Altered intrinsic brain activity in patients with familial cortical myoclonic tremor and epilepsy: An amplitude of low-frequency fluctuation study. <i>Journal of the Neurological Sciences</i> , 2015, 351, 133-139.	0.3	15
44	Evaluation of the Association Between Common Genetic Variants Near the <i>ABCA1</i> Gene and Primary Angle Closure Glaucoma in a Han Chinese Population. , 2015, 56, 6248.		14
45	Autologous Fat Graft for the Treatment of Sighted Posttraumatic Enophthalmos and Sunken Upper Eyelid. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2018, 34, 381-386.	0.4	14
46	Whole-exome sequencing revealed HKDC1 as a candidate gene associated with autosomal-recessive retinitis pigmentosa. <i>Human Molecular Genetics</i> , 2018, 27, 4157-4168.	1.4	14
47	Mutation screening of the USH2A gene in retinitis pigmentosa and USHER patients in a Han Chinese population. <i>Eye</i> , 2018, 32, 1608-1614.	1.1	14
48	Modifying strategies for SDF-1/CXCR4 interaction during mesenchymal stem cell transplantation. <i>General Thoracic and Cardiovascular Surgery</i> , 2022, 70, 1-10.	0.4	14
49	Whole-exome sequencing reveals a novel frameshift mutation in the FAM161A gene causing autosomal recessive retinitis pigmentosa in the Indian population. <i>Journal of Human Genetics</i> , 2015, 60, 625-630.	1.1	12
50	A Novel PRPF31 Mutation in a Large Chinese Family with Autosomal Dominant Retinitis Pigmentosa and Macular Degeneration. <i>PLoS ONE</i> , 2013, 8, e78274.	1.1	11
51	Update on the application of optic nerve sheath fenestration. <i>Restorative Neurology and Neuroscience</i> , 2017, 35, 275-286.	0.4	11
52	A comprehensive analysis of NPHS1 gene mutations in patients with sporadic focal segmental glomerulosclerosis. <i>BMC Medical Genetics</i> , 2019, 20, 111.	2.1	11
53	Dysfunction of VIPR2 leads to myopia in humans and mice. <i>Journal of Medical Genetics</i> , 2022, 59, 88-100.	1.5	10
54	Identification of potential candidate genes and pathways in atrioventricular nodal reentry tachycardia by whole-exome sequencing. <i>Clinical and Translational Medicine</i> , 2020, 10, 238-257.	1.7	10

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55	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, 1528-1534.	1.8	9
56	Identification of a novel MYOC mutation in a Chinese family with primary open-angle glaucoma. Gene, 2015, 571, 188-193.	1.0	8
57	Association of <i>IGF1</i> and <i>IGF1R</i> gene polymorphisms with high myopia in a Han Chinese population. Ophthalmic Genetics, 2017, 38, 122-126.	0.5	8
58	Association study of candidate genes for susceptibility to Kashin-Beck disease in a Tibetan population. BMC Medical Genetics, 2017, 18, 69.	2.1	8
59	Association of <i>catalase</i> polymorphisms with primary open-angle glaucoma in a Chinese population. Ophthalmic Genetics, 2018, 39, 35-40.	0.5	8
60	A Case of Hyaluronic Acid Induced Blindness With Ophthalmoplegia and Ptosis. Ophthalmic Plastic and Reconstructive Surgery, 2018, 34, e184-e186.	0.4	8
61	Sin1 promotes proliferation and invasion of prostate cancer cells by modulating mTORC2-AKT and AR signaling cascades. Life Sciences, 2020, 248, 117449.	2.0	8
62	Evaluation of Four Genetic Variants in Han Chinese Subjects with High Myopia. Journal of Ophthalmology, 2015, 2015, 1-6.	0.6	7
63	Associations of 6p21.3 Region with Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy. Scientific Reports, 2016, 6, 20914.	1.6	7
64	CD146 as a promising therapeutic target for retinal and choroidal neovascularization diseases. Science China Life Sciences, 2022, 65, 1157-1170.	2.3	7
65	A novel mutation in LMX1B gene causes nail-patella syndrome in a large Chinese family. Bone, 2008, 43, 591-595.	1.4	6
66	Novel Compound Heterozygous CBS Mutations Cause Homocystinuria in a Han Chinese Family. Scientific Reports, 2015, 5, 17947.	1.6	6
67	Whole exome sequencing identified novel CRB1 mutations in Chinese and Indian populations with autosomal recessive retinitis pigmentosa. Scientific Reports, 2016, 6, 33681.	1.6	6
68	Identification of Novel Mutations in the <i>FZD4</i> and <i>NDP</i> Genes in Patients with Familial Exudative Vitreoretinopathy in South India. Genetic Testing and Molecular Biomarkers, 2020, 24, 92-98.	0.3	6
69	A novel deleterious mutation in the COMP gene that causes pseudoachondroplasia. Human Genome Variation, 2016, 3, 16009.	0.4	5
70	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.	0.5	5
71	A novel deletion downstream of the <i>PAX6</i> gene identified in a Chinese family with congenital aniridia. Ophthalmic Genetics, 2018, 39, 428-436.	0.5	5
72	Heterozygote loss-of-function variants in the <i>LRP5</i> gene cause familial exudative vitreoretinopathy. Clinical and Experimental Ophthalmology, 2022, 50, 441-448.	1.3	5

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73	Loss of Wtap results in cerebellar ataxia and degeneration of Purkinje cells. <i>Journal of Genetics and Genomics</i> , 2022, 49, 847-858.	1.7	5
74	Mutation screening in the FBN1 gene responsible for Marfan syndrome and related disorder in Chinese families. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e00594.	0.6	4
75	G-Protein-Coupled Estrogen Receptor 1 Promotes Gender Disparities in Hepatocellular Carcinoma via Modulation of SIN1 and mTOR Complex 2 Activity. <i>Molecular Cancer Research</i> , 2020, 18, 1863-1875.	1.5	4
76	Whole-Exome Sequencing Reveals Novel <i>TSPAN12</i> Variants in Autosomal Dominant Familial Exudative Vitreoretinopathy. <i>Genetic Testing and Molecular Biomarkers</i> , 2021, 25, 399-404.	0.3	4
77	A quick protocol for the preparation of mouse retinal cryosections for immunohistochemistry. <i>Open Biology</i> , 2021, 11, 210076.	1.5	4
78	Evaluation of genome-wide susceptibility loci for high myopia in a Han Chinese population. <i>Ophthalmic Genetics</i> , 2017, 38, 330-334.	0.5	3
79	Evaluation of FGF10 as a candidate gene for high myopia in a Han Chinese population. <i>Eye and Vision (London, England)</i> , 2019, 6, 33.	1.4	3
80	Improving Detection Efficiency of SARS-CoV-2 Nucleic Acid Testing. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 558472.	1.8	3
81	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. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 1001-1016.	1.1	3
82	Exploring the R-ISS stage-specific regular networks in the progression of multiple myeloma at single-cell resolution. <i>Science China Life Sciences</i> , 2022, 65, 1811-1823.	2.3	3
83	Mutation in connexin 32 causes charcotâ€‘marieâ€‘tooth disease in a large Chinese family. <i>Muscle and Nerve</i> , 2010, 42, 715-721.	1.0	2
84	Association of coding and UTR variants in the known regions with wet age-related macular degeneration in Han Chinese population. <i>Journal of Human Genetics</i> , 2018, 63, 1055-1070.	1.1	2
85	A fetal mouse model of ventricular non-compaction using retinoic acid. <i>Pathology Research and Practice</i> , 2019, 215, 152496.	1.0	2
86	Identification of novel variants in the <i>FZD4</i> gene associated with familial exudative vitreoretinopathy in Chinese families. <i>Clinical and Experimental Ophthalmology</i> , 2020, 48, 356-365.	1.3	2
87	Characterization of guanine nucleotide exchange activity of DH domain of human FGD2. <i>Protein Expression and Purification</i> , 2020, 176, 105693.	0.6	2
88	The association of OPG polymorphisms with diabetic retinopathy in Chinese population. <i>Ophthalmic Genetics</i> , 2021, 42, 1-5.	0.5	2
89	PDE4B Proposed as a High Myopia Susceptibility Gene in Chinese Population. <i>Frontiers in Genetics</i> , 2021, 12, 775797.	1.1	2
90	A novel frameshift variant in the <i>TSPAN12</i> gene causes autosomal dominant <i>FEVR</i> . <i>Molecular Genetics &amp; Genomic Medicine</i> , 2022, 10, e1949.	0.6	2

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91	Genetic Association Study Between the COL11A1 and COL18A1 Genes and High Myopia in a Han Chinese Population. <i>Genetic Testing and Molecular Biomarkers</i> , 2018, 22, 359-365.	0.3	1
92	A modified method for preparation of fluorescent MantGDP bound CDC42. <i>Analytical Biochemistry</i> , 2020, 610, 113846.	1.1	1
93	Probing the Functional and Structural Connectivity Underlying EEG Traveling Waves. <i>Brain Topography</i> , 2022, 35, 66-78.	0.8	1
94	Association of genetic variants in <i>PDGFRA</i> with high myopia in the Han population of southwestern China. <i>Ophthalmic Genetics</i> , 2022, 43, 184-190.	0.5	1