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	Dysfunction of VIPR2 leads to myopia in humans and mice. Journal of Medical Genetics, 2022, 59, 88-100.	1.5	10
2	Probing the Functional and Structural Connectivity Underlying EEG Traveling Waves. Brain Topography, 2022, 35, 66-78.	0.8	1
3	Modifying strategies for SDF-1/CXCR4 interaction during mesenchymal stem cell transplantation. General Thoracic and Cardiovascular Surgery, 2022, 70, 1-10.	0.4	14
4	CD146 as a promising therapeutic target for retinal and choroidal neovascularization diseases. Science China Life Sciences, 2022, 65, 1157-1170.	2.3	7
5	Heterozygote lossâ€ofâ€function variants in the LRP5 gene cause familial exudative vitreoretinopathy. Clinical and Experimental Ophthalmology, 2022, 50, 441-448.	1.3	5
6	Association of genetic variants in PDGFRA with high myopia in the Han population of southwestern China. Ophthalmic Genetics, 2022, 43, 184-190.	0.5	1
7	Variants in the Wnt co-receptor LRP6 are associated with familial exudative vitreoretinopathy. Journal of Genetics and Genomics, 2022, 49, 590-594.	1.7	18
8	Dysregulated m6A modification promotes lipogenesis and development of non-alcoholic fatty liver disease and hepatocellular carcinoma. Molecular Therapy, 2022, 30, 2342-2353.	3.7	56
9	Loss of Wtap results in cerebellar ataxia and degeneration of Purkinje cells. Journal of Genetics and Genomics, 2022, 49, 847-858.	1.7	5
10	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.	7.1	17
11	A novel frameshift variant in the TSPAN12 gene causes autosomal dominant <scp>FEVR</scp>. Molecular Genetics & Genomic Medicine, 2022, 10, e1949.	0.6	2
12	Exploring the R-ISS stage-specific regular networks in the progression of multiple myeloma at single-cell resolution. Science China Life Sciences, 2022, 65, 1811-1823.	2.3	3
13	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.	1.1	3
14	Dynamic blood single-cell immune responses in patients with COVID-19. Signal Transduction and Targeted Therapy, 2021, 6, 110.	7.1	69
15	Catenin Î± 1 mutations cause familial exudative vitreoretinopathy by overactivating Norrin/Î²-catenin signaling. Journal of Clinical Investigation, 2021, 131, .	3.9	37
16	Aberrant TGF-Î²1 signaling activation by MAF underlies pathological lens growth in high myopia. Nature Communications, 2021, 12, 2102.	5.8	31
17	Whole-Exome Sequencing Identified DLG1 as a Candidate Gene for Familial Exudative Vitreoretinopathy. Genetic Testing and Molecular Biomarkers, 2021, 25, 309-316.	0.3	17
18	Whole-Exome Sequencing Reveals Novel TSPAN12 Variants in Autosomal Dominant Familial Exudative Vitreoretinopathy. Genetic Testing and Molecular Biomarkers, 2021, 25, 399-404.	0.3	4

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19	The ER membrane protein complex subunit Emc3 controls angiogenesis via the FZD4/WNT signaling axis. Science China Life Sciences, 2021, 64, 1868-1883.	2.3	16
20	Brain variability in dynamic resting-state networks identified by fuzzy entropy: a scalp EEG study. Journal of Neural Engineering, 2021, 18, 046097.	1.8	23
21	The association of OPG polymorphisms with diabetic retinopathy in Chinese population. Ophthalmic Genetics, 2021, 42, 1-5.	0.5	2
22	A quick protocol for the preparation of mouse retinal cryosections for immunohistochemistry. Open Biology, 2021, 11, 210076.	1.5	4
23	PDE4B Proposed as a High Myopia Susceptibility Gene in Chinese Population. Frontiers in Genetics, 2021, 12, 775797.	1.1	2
24	Exome sequencing revealed Notch ligand JAG1 as a novel candidate gene for familial exudative vitreoretinopathy. Genetics in Medicine, 2020, 22, 77-84.	1.1	34
25	Identification of novel variants in the FZD4 gene associated with familial exudative vitreoretinopathy in Chinese families. Clinical and Experimental Ophthalmology, 2020, 48, 356-365.	1.3	2
26	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. Nature, 2020, 586, 572-577.	13.7	630
27	Scleral HIF-1Î± is a prominent regulatory candidate for genetic and environmental interactions in human myopia pathogenesis. EBioMedicine, 2020, 57, 102878.	2.7	56
28	A modified method for preparation of fluorescent MantGDP bound CDC42. Analytical Biochemistry, 2020, 610, 113846.	1.1	1
29	Characterization of guanine nucleotide exchange activity of DH domain of human FGD2. Protein Expression and Purification, 2020, 176, 105693.	0.6	2
30	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.	1.5	4
31	Improving Detection Efficiency of SARS-CoV-2 Nucleic Acid Testing. Frontiers in Cellular and Infection Microbiology, 2020, 10, 558472.	1.8	3
32	Seroprevalence of immunoglobulin M and G antibodies against SARS-CoV-2 in China. Nature Medicine, 2020, 26, 1193-1195.	15.2	352
33	Identification of potential candidate genes and pathways in atrioventricular nodal reentry tachycardia by wholeâ€exome sequencing. Clinical and Translational Medicine, 2020, 10, 238-257.	1.7	10
34	Identification of Novel Mutations in the FZD4 and NDP Genes in Patients with Familial Exudative Vitreoretinopathy in South India. Genetic Testing and Molecular Biomarkers, 2020, 24, 92-98.	0.3	6
35	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
36	Comparison of different samples for 2019 novel coronavirus detection by nucleic acid amplification tests. International Journal of Infectious Diseases, 2020, 93, 264-267.	1.5	284

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37	Detection of serum IgM and IgG for COVID-19 diagnosis. Science China Life Sciences, 2020, 63, 777-780.	2.3	78
38	Genetic factors define CPO and CLO subtypes of nonsyndromicorofacial cleft. PLoS Genetics, 2019, 15, e1008357.	1.5	70
39	Evaluation of FGF10 as a candidate gene for high myopia in a Han Chinese population. Eye and Vision (London, England), 2019, 6, 33.	1.4	3
40	A comprehensive analysis of NPHS1 gene mutations in patients with sporadic focal segmental glomerulosclerosis. BMC Medical Genetics, 2019, 20, 111.	2.1	11
41	A fetal mouse model of ventricular non-compaction using retinoic acid. Pathology Research and Practice, 2019, 215, 152496.	1.0	2
42	Mutant RAMP2 causes primary open-angle glaucoma via the CRLR-cAMP axis. Genetics in Medicine, 2019, 21, 2345-2354.	1.1	16
43	Mutation screening in the FBN1 gene responsible for Marfan syndrome and related disorder in Chinese families. Molecular Genetics & Genomic Medicine, 2019, 7, e00594.	0.6	4
44	Genome-wide analysis identified 17 new loci influencing intraocular pressure in Chinese population. Science China Life Sciences, 2019, 62, 153-164.	2.3	24
45	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
46	Autologous Fat Graft for the Treatment of Sighted Posttraumatic Enophthalmos and Sunken Upper Eyelid. Ophthalmic Plastic and Reconstructive Surgery, 2018, 34, 381-386.	0.4	14
47	A splicing mutation in aryl hydrocarbon receptor associated with retinitis pigmentosa. Human Molecular Genetics, 2018, 27, 2563-2572.	1.4	29
48	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.	2.6	32
49	Association of catalase polymorphisms with primary open-angle glaucoma in a Chinese population. Ophthalmic Genetics, 2018, 39, 35-40.	0.5	8
50	A Case of Hyaluronic Acid Induced Blindness With Ophthalmoplegia and Ptosis. Ophthalmic Plastic and Reconstructive Surgery, 2018, 34, e184-e186.	0.4	8
51	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.	0.3	1
52	Whole-exome sequencing revealed HKDC1 as a candidate gene associated with autosomal-recessive retinitis pigmentosa. Human Molecular Genetics, 2018, 27, 4157-4168.	1.4	14
53	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.	1.1	2
54	Mutation screening of the USH2A gene in retinitis pigmentosa and USHER patients in a Han Chinese population. Eye, 2018, 32, 1608-1614.	1.1	14

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55	A novel deletion downstream of the PAX6 gene identified in a Chinese family with congenital aniridia. Ophthalmic Genetics, 2018, 39, 428-436.	0.5	5
56	Association of IGF1 and IGF1R gene polymorphisms with high myopia in a Han Chinese population. Ophthalmic Genetics, 2017, 38, 122-126.	0.5	8
57	Evaluation of genome-wide susceptibility loci for high myopia in a Han Chinese population. Ophthalmic Genetics, 2017, 38, 330-334.	0.5	3
58	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. Nature Genetics, 2017, 49, 993-1004.	9.4	114
59	Update on the application of optic nerve sheath fenestration. Restorative Neurology and Neuroscience, 2017, 35, 275-286.	0.4	11
60	A Recurrent Missense Mutation in ZP3 Causes Empty Follicle Syndrome and Female Infertility. American Journal of Human Genetics, 2017, 101, 459-465.	2.6	87
61	Mutation screening in genes known to be responsible for Retinitis Pigmentosa in 98 Small Han Chinese Families. Scientific Reports, 2017, 7, 1948.	1.6	34
62	Association study of candidate genes for susceptibility to Kashin-Beck disease in a Tibetan population. BMC Medical Genetics, 2017, 18, 69.	2.1	8
63	A novel deleterious mutation in the COMP gene that causes pseudoachondroplasia. Human Genome Variation, 2016, 3, 16009.	0.4	5
64	A missense variant in FGD6 confers increased risk of polypoidal choroidal vasculopathy. Nature Genetics, 2016, 48, 640-647.	9.4	68
65	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
66	Associations of 6p21.3 Region with Age-related Macular Degeneration and Polypoidal Choroidal Vasculopathy. Scientific Reports, 2016, 6, 20914.	1.6	7
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	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. Nature Genetics, 2016, 48, 134-143.	9.4	1,167
69	Novel Compound Heterozygous CBS Mutations Cause Homocystinuria in a Han Chinese Family. Scientific Reports, 2015, 5, 17947.	1.6	6
70	Evaluation of the Association Between Common Genetic Variants Near theABCA1Gene and Primary Angle Closure Glaucoma in a Han Chinese Population. , 2015, 56, 6248.		14
71	Evaluation of Four Genetic Variants in Han Chinese Subjects with High Myopia. Journal of Ophthalmology, 2015, 2015, 1-6.	0.6	7
72	A common variant near TGFBR3 is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	1.4	105

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73	Mistrafficking of prenylated proteins causes retinitis pigmentosa 2. FASEB Journal, 2015, 29, 932-942.	0.2	58
74	New loci and coding variants confer risk for age-related macular degeneration in East Asians. Nature Communications, 2015, 6, 6063.	5.8	147
75	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. Nature Genetics, 2015, 47, 387-392.	9.4	97
76	Mutation spectrum ofCYP1B1in Chinese patients with primary open-angle glaucoma. British Journal of Ophthalmology, 2015, 99, 425-430.	2.1	17
77	Identification of a novel MYOC mutation in a Chinese family with primary open-angle glaucoma. Gene, 2015, 571, 188-193.	1.0	8
78	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.	0.3	15
79	Identification of myopia-associated WNT7B polymorphisms provides insights into the mechanism underlying the development of myopia. Nature Communications, 2015, 6, 6689.	5.8	70
80	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, 625-630.	1.1	12
81	Exome Sequencing Analysis Identifies Compound Heterozygous Mutation in ABCA4 in a Chinese Family with Stargardt Disease. PLoS ONE, 2014, 9, e91962.	1.1	17
82	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. Nature Genetics, 2014, 46, 1115-1119.	9.4	160
83	Genome-wide association analysis of Vogt-Koyanagi-Harada syndrome identifies two new susceptibility loci at 1p31.2 and 10q21.3. Nature Genetics, 2014, 46, 1007-1011.	9.4	88
84	Genetic Variants in PVRL2-TOMM40-APOE Region Are Associated with Human Longevity in a Han Chinese Population. PLoS ONE, 2014, 9, e99580.	1.1	29
85	Novel mutations in the TSPAN12 gene in Chinese patients with familial exudative vitreoretinopathy. Molecular Vision, 2014, 20, 1296-306.	1.1	16
86	A genome-wide meta-analysis identifies two novel loci associated with high myopia in the Han Chinese population. Human Molecular Genetics, 2013, 22, 2325-2333.	1.4	71
87	A Novel PRPF31 Mutation in a Large Chinese Family with Autosomal Dominant Retinitis Pigmentosa and Macular Degeneration. PLoS ONE, 2013, 8, e78274.	1.1	11
88	Association Study of Polymorphisms in Selenoprotein Genes and Kashinâ€“Beck Disease and Serum Selenium/Iodine Concentration in a Tibetan Population. PLoS ONE, 2013, 8, e71411.	1.1	24
89	Genetic Variants at 13q12.12 Are Associated with High Myopia in the Han Chinese Population. American Journal of Human Genetics, 2011, 88, 805-813.	2.6	106
90	Genetic variants in the HLAâ€“DRB1 gene are associated with Kashinâ€Beck disease in the Tibetan population. Arthritis and Rheumatism, 2011, 63, 3408-3416.	6.7	39

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91	Mutation in connexin 32 causes charcotâ€“marieâ€“tooth disease in a large Chinese family. Muscle and Nerve, 2010, 42, 715-721.	1.0	2
92	Genetic and Functional Dissection of HTRA1 and LOC387715 in Age-Related Macular Degeneration. PLoS Genetics, 2010, 6, e1000836.	1.5	101
93	A novel mutation in LMX1B gene causes nail-patella syndrome in a large Chinese family. Bone, 2008, 43, 591-595.	1.4	6
94	HTRA1 variant increases risk to neovascular age-related macular degeneration in Chinese population. Vision Research, 2007, 47, 3120-3123.	0.7	31