

# Eranga N Vithana

## List of Publications by Year in descending order

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72  
papers

6,195  
citations

109321

35  
h-index

133252

59  
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73  
all docs

73  
docs citations

73  
times ranked

6379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seven new loci associated with age-related macular degeneration. <i>Nature Genetics</i> , 2013, 45, 433-439.	21.4	687
2	Polypoidal choroidal vasculopathy and neovascular age-related macular degeneration: Same or different disease?. <i>Progress in Retinal and Eye Research</i> , 2010, 29, 19-29.	15.5	315
3	A Human Homolog of Yeast Pre-mRNA Splicing Gene, PRP31, Underlies Autosomal Dominant Retinitis Pigmentosa on Chromosome 19q13.4 (RP11). <i>Molecular Cell</i> , 2001, 8, 375-381.	9.7	305
4	Genome-wide association analyses identify multiple loci associated with central corneal thickness and keratoconus. <i>Nature Genetics</i> , 2013, 45, 155-163.	21.4	269
5	Mutations in sodium-borate cotransporter SLC4A11 cause recessive congenital hereditary endothelial dystrophy (CHED2). <i>Nature Genetics</i> , 2006, 38, 755-757.	21.4	235
6	SLC4A11 mutations in Fuchs endothelial corneal dystrophy. <i>Human Molecular Genetics</i> , 2008, 17, 656-666.	2.9	226
7	Mutations in HPRP3, a third member of pre-mRNA splicing factor genes, implicated in autosomal dominant retinitis pigmentosa. <i>Human Molecular Genetics</i> , 2002, 11, 87-92.	2.9	217
8	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , 2016, 48, 189-194.	21.4	211
9	Genome-wide association analyses identify three new susceptibility loci for primary angle closure glaucoma. <i>Nature Genetics</i> , 2012, 44, 1142-1146.	21.4	196
10	Common variants near ABCA1 and in PMM2 are associated with primary open-angle glaucoma. <i>Nature Genetics</i> , 2014, 46, 1115-1119.	21.4	160
11	New loci and coding variants confer risk for age-related macular degeneration in East Asians. <i>Nature Communications</i> , 2015, 6, 6063.	12.8	147
12	Genome-wide association study identifies five new susceptibility loci for primary angle closure glaucoma. <i>Nature Genetics</i> , 2016, 48, 556-562.	21.4	147
13	Collagen-related genes influence the glaucoma risk factor, central corneal thickness. <i>Human Molecular Genetics</i> , 2011, 20, 649-658.	2.9	140
14	Expression of PRPF31 mRNA in Patients with Autosomal Dominant Retinitis Pigmentosa: A Molecular Clue for Incomplete Penetrance?. , 2003, 44, 4204.		125
15	New insights into the genetics of primary open-angle glaucoma based on meta-analyses of intraocular pressure and optic disc characteristics.. <i>Human Molecular Genetics</i> , 2017, 26, ddw399.	2.9	120
16	Missense mutations in the sodium borate cotransporter SLC4A11 cause late-onset Fuchs corneal dystrophy. <i>Human Mutation</i> , 2010, 31, 1261-1268.	2.5	117
17	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.	21.4	114
18	Genome-wide association study identifies seven novel susceptibility loci for primary open-angle glaucoma. <i>Human Molecular Genetics</i> , 2018, 27, 1486-1496.	2.9	111

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19	Association Analysis of <i>CFH</i> , <i>C2</i> , <i>BF</i> , and <i>HTRA1</i> Gene Polymorphisms in Chinese Patients with Polypoidal Choroidal Vasculopathy. , 2008, 49, 2613.		105
20	A common variant near <i>TGFBR3</i> is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	2.9	105
21	A common variant mapping to <i>CACNA1A</i> is associated with susceptibility to exfoliation syndrome. Nature Genetics, 2015, 47, 387-392.	21.4	97
22	Association of <i>LOXL1</i> Gene Polymorphisms with Pseudoexfoliation in the Japanese. , 2008, 49, 3976.		95
23	Genome-wide association study of Parkinson's disease in East Asians. Human Molecular Genetics, 2017, 26, ddw379.	2.9	94
24	Genome-wide association studies in Asians confirm the involvement of <i>ATOH7</i> and <i>TGFBR3</i> , and further identify <i>CARD10</i> as a novel locus influencing optic disc area. Human Molecular Genetics, 2011, 20, 1864-1872.	2.9	91
25	Transmembrane water-flux through <i>SLC4A11</i> : a route defective in genetic corneal diseases. Human Molecular Genetics, 2013, 22, 4579-4590.	2.9	89
26	Novel <i>SLC4A11</i> mutations in patients with recessive congenital hereditary endothelial dystrophy (CHED2). Human Mutation, 2007, 28, 522-523.	2.5	80
27	Analysis of the Posterior Polymorphous Corneal Dystrophy 3 Gene, <i>TCF8</i> , in Late-Onset Fuchs Endothelial Corneal Dystrophy. , 2008, 49, 184.		77
28	Genetic variants and cellular stressors associated with exfoliation syndrome modulate promoter activity of a lncRNA within the <i>LOXL1</i> locus. Human Molecular Genetics, 2015, 24, 6552-6563.	2.9	76
29	Disease mechanism for retinitis pigmentosa (RP11) caused by mutations in the splicing factor gene <i>PRPF31</i> . Human Molecular Genetics, 2002, 11, 3209-3219.	2.9	75
30	The Heritability and Sibling Risk of Angle Closure in Asians. Ophthalmology, 2011, 118, 480-485.	5.2	69
31	Identification of four novel variants that influence central corneal thickness in multi-ethnic Asian populations. Human Molecular Genetics, 2012, 21, 437-445.	2.9	69
32	<i>ABCC5</i> , a Gene That Influences the Anterior Chamber Depth, Is Associated with Primary Angle Closure Glaucoma. PLoS Genetics, 2014, 10, e1004089.	3.5	68
33	Ion Transport Function of <i>SLC4A11</i> in Corneal Endothelium. , 2013, 54, 4330.		66
34	Relationship of Smoking and Cardiovascular Risk Factors with Polypoidal Choroidal Vasculopathy and Age-related Macular Degeneration in Chinese Persons. Ophthalmology, 2011, 118, 846-852.	5.2	65
35	Transethnic Replication of Association of CTG18.1 Repeat Expansion of <i>TCF4</i> Gene With Fuchs' Corneal Dystrophy in Chinese Implies Common Causal Variant. , 2014, 55, 7073.		64
36	Clinical and Genetic Aspects of the <i>TGFBI</i> -associated Corneal Dystrophies. Ocular Surface, 2014, 12, 234-251.	4.4	63

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37	Cross-ancestry genome-wide association analysis of corneal thickness strengthens link between complex and Mendelian eye diseases. <i>Nature Communications</i> , 2018, 9, 1864.	12.8	63
38	Genome-wide association study identifies ZFHX1B as a susceptibility locus for severe myopia. <i>Human Molecular Genetics</i> , 2013, 22, 5288-5294.	2.9	59
39	Mice With a Targeted Disruption of <i>Slc4a11</i> Model the Progressive Corneal Changes of Congenital Hereditary Endothelial Dystrophy. , 2013, 54, 6179.		55
40	Association of <i>TCF4</i> Gene Polymorphisms with Fuchs' Corneal Dystrophy in the Chinese. , 2011, 52, 5573.		51
41	SLC4A11 is an EIPA-sensitive Na <sup>+</sup> permeable pH <sub>i</sub> regulator. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C716-C727.	4.6	51
42	Oligomerization of SLC4A11 protein and the severity of FECD and CHED2 corneal dystrophies caused by <i>SLC4A11</i> mutations. <i>Human Mutation</i> , 2012, 33, 419-428.	2.5	46
43	Association of LOXL1 polymorphisms with pseudoexfoliation in the Chinese. <i>Molecular Vision</i> , 2009, 15, 1120-6.	1.1	46
44	Depletion of <i>SLC4A11</i> Causes Cell Death by Apoptosis in an Immortalized Human Corneal Endothelial Cell Line. , 2012, 53, 3270.		41
45	Meta-analysis of genome-wide association studies in multiethnic Asians identifies two loci for age-related nuclear cataract. <i>Human Molecular Genetics</i> , 2014, 23, 6119-6128.	2.9	35
46	Association of Common SIX6 Polymorphisms With Peripapillary Retinal Nerve Fiber Layer Thickness: The Singapore Chinese Eye Study. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 478-483.	3.3	35
47	Analysis of non-synonymous-coding variants of Parkinson's disease-related pathogenic and susceptibility genes in East Asian populations. <i>Human Molecular Genetics</i> , 2014, 23, 3891-3897.	2.9	28
48	Aggregate Effects of Intraocular Pressure and Cup-to-Disc Ratio Genetic Variants on Glaucoma in a Multiethnic Asian Population. <i>Ophthalmology</i> , 2015, 122, 1149-1157.	5.2	28
49	Characteristics of p.Gln368Ter Myocilin Variant and Influence of Polygenic Risk on Glaucoma Penetrance in the UK Biobank. <i>Ophthalmology</i> , 2021, 128, 1300-1311.	5.2	27
50	Expression of the Primary Angle Closure Glaucoma (PACG) Susceptibility Gene <i>PLEKHA7</i> in Endothelial and Epithelial Cell Junctions in the Eye. , 2014, 55, 3833.		24
51	A novel mutation in transforming growth factor-beta induced protein (TGFÎp) reveals secondary structure perturbation in lattice corneal dystrophy. <i>British Journal of Ophthalmology</i> , 2011, 95, 1457-1462.	3.9	23
52	Lack of Association Between Primary Angle-Closure Glaucoma Susceptibility Loci and the Ocular Biometric Parameters Anterior Chamber Depth and Axial Length. , 2013, 54, 5824.		23
53	Association of Genetic Variants on 8p21 and 4q12 with Age-Related Macular Degeneration in Asian Populations. , 2012, 53, 6576.		22
54	CMPK1 and RBP3 are associated with corneal curvature in Asian populations. <i>Human Molecular Genetics</i> , 2014, 23, 6129-6136.	2.9	22

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55	Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci in Patients with Early Stages of Angle-Closure Disease. <i>Ophthalmology</i> , 2018, 125, 664-670.	5.2	22
56	Segregation of a PRKCG Mutation in Two RP11 Families. <i>American Journal of Human Genetics</i> , 1998, 62, 1248-1252.	6.2	21
57	Primary angle closure glaucoma (PACG) susceptibility gene PLEKHA7 encodes a novel Rac1/Cdc42 GAP that modulates cell migration and blood-aqueous barrier function. <i>Human Molecular Genetics</i> , 2017, 26, 4011-4027.	2.9	21
58	Social, health and ocular factors associated with primary open-angle glaucoma amongst Chinese Singaporeans. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 25-34.	2.6	18
59	Genotype-Phenotype Correlation Analysis for Three Primary Angle Closure Glaucoma-Associated Genetic Polymorphisms. , 2014, 55, 1143.		17
60	Absence of Phenotype-Genotype Correlation of Patients Expressing Mutations in the SLC4A11 Gene. <i>Cornea</i> , 2010, 29, 302-306.	1.7	16
61	Toll-Like Receptor 3 Polymorphism rs3775291 Is Not Associated with Choroidal Neovascularization or Polypoidal Choroidal Vasculopathy in Chinese Subjects. <i>Ophthalmic Research</i> , 2011, 45, 191-196.	1.9	16
62	Differential expression of the Slc4 bicarbonate transporter family in murine corneal endothelium and cell culture. <i>Molecular Vision</i> , 2013, 19, 1096-106.	1.1	15
63	Factors affecting the diagnostic performance of circumpapillary retinal nerve fibre layer measurement in glaucoma. <i>British Journal of Ophthalmology</i> , 2021, 105, 397-402.	3.9	12
64	Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci for Estimating Angle Closure Disease Severity. <i>Ophthalmology</i> , 2021, 128, 403-409.	5.2	12
65	Biochemical Properties and Aggregation Propensity of Transforming Growth Factor-Induced Protein (TGFβ1) and the Amyloid Forming Mutants. <i>Ocular Surface</i> , 2015, 13, 9-25.	4.4	10
66	Integration of Genetic and Biometric Risk Factors for Detection of Primary Angle Closure Glaucoma. <i>American Journal of Ophthalmology</i> , 2019, 208, 160-165.	3.3	10
67	Common variants in SOX-2 and congenital cataract genes contribute to age-related nuclear cataract. <i>Communications Biology</i> , 2020, 3, 755.	4.4	10
68	Primary angle closure glaucoma genomic associations and disease mechanism. <i>Current Opinion in Ophthalmology</i> , 2020, 31, 101-106.	2.9	9
69	Linking a genome-wide association study signal to a <i>LRRK2</i> coding variant in Parkinson's disease. <i>Movement Disorders</i> , 2016, 31, 484-487.	3.9	8
70	Lens Status Influences the Association between CFH Polymorphisms and Age-Related Macular Degeneration: Findings from Two Population-Based Studies in Singapore. <i>PLoS ONE</i> , 2015, 10, e0119570.	2.5	3
71	Comparison of machine learning approaches for structure-function modeling in glaucoma. <i>Annals of the New York Academy of Sciences</i> , 2022, 1515, 237-248.	3.8	3
72	Genetics of Corneal Endothelial Dystrophies: An Asian Perspective. <i>Essentials in Ophthalmology</i> , 2017, , 353-361.	0.1	0