Govindasamy Kumaramanickavel

List of Publications by Citations

78 papers	3,095 citations	30 h-index	54 g-index
80 ext. papers	3,429 ext. citations	4.5 avg, IF	4.22 L-index

#	Paper	IF	Citations
78	Mutations in RPE65 cause autosomal recessive childhood-onset severe retinal dystrophy. *Nature Genetics*, **1997**, 17, 194-7	36.3	535
77	Prevalence of diabetic retinopathy in India: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetics Study report 2. *Ophthalmology*, **2009**, 116, 311-8	7.3	221
76	Genome-wide association analyses identify three new susceptibility loci for primary angle closure glaucoma. *Nature Genetics*, **2012**, 44, 1142-1146	36.3	160
75	Prevalence of primary open-angle glaucoma in an urban south Indian population and comparison with a rural population. The Chennai Glaucoma Study. *Ophthalmology*, **2008**, 115, 648-654.e1	7.3	141
74	Prevalence of open-angle glaucoma in a rural south Indian population. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 4461-7		119
73	Prevalence of primary angle-closure disease in an urban south Indian population and comparison with a rural population. The Chennai Glaucoma Study. *Ophthalmology*, **2008**, 115, 655-660.e1	7.3	112
72	Prevalence of angle-closure disease in a rural southern Indian population. *JAMA Ophthalmology*, **2006**, 124, 403-9		102
71	Prevalence of refractive errors in a rural South Indian population. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 4268-72		85
70	Association of non-synonymous single nucleotide polymorphisms in the LOXL1 gene with pseudoexfoliation syndrome in India. *Molecular Vision*, **2008**, 14, 318-22	2.3	82
69	Sankara Nethralaya-Diabetic Retinopathy Epidemiology and Molecular Genetic Study (SN-DREAMS 1): study design and research methodology. *Ophthalmic Epidemiology*, **2005**, 12, 143-53	1.9	74
68	Missense rhodopsin mutation in a family with recessive RP. *Nature Genetics*, **1994**, 8, 10-1	36.3	73
67	CERKL mutations cause an autosomal recessive cone-rod dystrophy with inner retinopathy **2009**, 50, 5944-54		71
66	Nonsense mutations in FAM161A cause RP28-associated recessive retinitis pigmentosa. *American Journal of Human Genetics*, **2010**, 87, 376-81	11	61
65	Influence of serum lipids on clinically significant versus nonclinically significant macular edema: SN-DREAMS Report number 13. *Ophthalmology*, **2010**, 117, 766-72	7.3	58
64	Novel SLC4A11 mutations in patients with recessive congenital hereditary endothelial dystrophy (CHED2). Mutation in brief #958. Online. *Human Mutation*, **2007**, 28, 522-3	4.7	57
63	Association of Gly82Ser polymorphism in the RAGE gene with diabetic retinopathy in type II diabetic Asian Indian patients. *Journal of Diabetes and Its Complications*, **2002**, 16, 391-4	3.2	57
62	Recessive mutations in SLC38A8 cause foveal hypoplasia and optic nerve misrouting without albinism. *American Journal of Human Genetics*, **2013**, 93, 1143-50	11	56

61	Association of Genetic Variants with Polypoidal Choroidal Vasculopathy: A Systematic Review and Updated Meta-analysis. *Ophthalmology*, **2015**, 122, 1854-65	7.3	50
60	ABCC5, a gene that influences the anterior chamber depth, is associated with primary angle closure glaucoma. *PLoS Genetics*, **2014**, 10, e1004089	6	50
59	Association of VEGF gene polymorphisms with diabetic retinopathy in a south Indian cohort. *Ophthalmic Genetics*, **2008**, 29, 11-5	1.2	48
58	Methods and design of the Chennai Glaucoma Study. *Ophthalmic Epidemiology*, **2003**, 10, 337-48	1.9	47
57	Z-2 aldose reductase allele and diabetic retinopathy in India. *Ophthalmic Genetics*, **2003**, 24, 41-8	1.2	45
56	A 32 kb critical region excluding Y402H in CFH mediates risk for age-related macular degeneration. *PLoS ONE*, **2011**, 6, e25598	3.7	41
55	Prevalence of retinitis pigmentosa in South Indian population aged above 40 years. *Ophthalmic Epidemiology*, **2008**, 15, 279-81	1.9	39
54	Homozygosity mapping of autosomal recessive retinitis pigmentosa locus (RP22) on chromosome 16p12.1-p12.3. *Genomics*, **1998**, 48, 341-5	4.3	38
53	High expression of KIF14 in retinoblastoma: association with older age at diagnosis. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4901-6		34
52	Analysis of a comprehensive diabetic retinopathy screening model for rural and urban diabetics in developing countries. *British Journal of Ophthalmology*, **2007**, 91, 1425-9	5.5	33
51	Tumor necrosis factor allelic polymorphism with diabetic retinopathy in India. *Diabetes Research and Clinical Practice*, **2001**, 54, 89-94	7.4	33
50	Intron 4 VNTR of endothelial nitric oxide synthase (eNOS) gene and diabetic retinopathy in type 2 patients in southern India. *Ophthalmic Genetics*, **2007**, 28, 77-81	1.2	30
49	Truncating mutation in the NHS gene: phenotypic heterogeneity of Nance-Horan syndrome in an asian Indian family. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 17-23		30
48	Biosynthetic and functional defects in newly identified SLC4A11 mutants and absence of COL8A2 mutations in Fuchs endothelial corneal dystrophy. *Journal of Human Genetics*, **2014**, 59, 444-53	4.3	27
47	Two Indian siblings with Oguchi disease are homozygous for an arrestin mutation encoding premature termination. *Human Mutation*, **1998**, Suppl 1, S317-9	4.7	27
46	Prevalence of Diabetic Retinopathy in Urban Slums: The Aditya Jyot Diabetic Retinopathy in Urban Mumbai Slums Study-Report 2. *Ophthalmic Epidemiology*, **2017**, 24, 303-310	1.9	25
45	Genetic and genomic perspective to understand the molecular pathogenesis of keratoconus. *Indian Journal of Ophthalmology*, **2013**, 61, 384-8	1.6	23
44	KIF14 and E2F3 mRNA expression in human retinoblastoma and its phenotype association. *Molecular Vision*, **2009**, 15, 235-40	2.3	22

43	Diabetic retinopathy screening model for rural population: awareness and screening methodology. *Rural and Remote Health*, **2005**, 5, 350	1.3	22
42	Diabetic retinopathy: Validation study of ALR2, RAGE, iNOS and TNFB gene variants in a south Indian cohort. *Ophthalmic Genetics*, **2010**, 31, 244-51	1.2	21
41	ICAM-1 K469E polymorphism is a genetic determinant for the clinical risk factors of T2D subjects with retinopathy in Indians: a population-based case-control study. *BMJ Open*, **2012**, 2,	3	20
40	Prevalence of refractive errors and associated risk factors in subjects with type 2 diabetes mellitus SN-DREAMS, report 18. *Ophthalmology*, **2010**, 117, 1155-62	7.3	20
39	Diabetic retinopathy and IGF-1 gene polymorphic cytosine-adenine repeats in a Southern Indian cohort. *Ophthalmic Research*, **2007**, 39, 294-9	2.9	20
38	Two novel missense substitutions in the VSX1 gene: clinical and genetic analysis of families with Keratoconus from India. *BMC Medical Genetics*, **2015**, 16, 33	2.1	18
37	Identification of Novel Mutations in ABCA4 Gene: Clinical and Genetic Analysis of Indian Patients with Stargardt Disease. *BioMed Research International*, **2015**, 2015, 940864	3	17
36	The relationship between tumor cell differentiation and age at diagnosis in retinoblastoma. *Journal of Pediatric Ophthalmology and Strabismus*, **2008**, 45, 22-5	0.9	17
35	Screening of the RPE65 gene in the Asian Indian patients with leber congenital amaurosis. *Ophthalmic Genetics*, **2008**, 29, 73-8	1.2	15
34	Methylation status of RB1 promoter in Indian retinoblastoma patients. *Cancer Biology and Therapy*, **2004**, 3, 184-7	4.6	14
33	Protein kinase C beta (PRKCB1) and pigment epithelium derived factor (PEDF) gene polymorphisms and diabetic retinopathy in a south Indian cohort. *Ophthalmic Genetics*, **2010**, 31, 18-23	1.2	13
32	Retinoblastoma in India : microsatellite analysis and its application in genetic counseling. *Molecular Diagnosis and Therapy*, **2007**, 11, 63-70	4.5	13
31	How high is the non-response rate of patients referred for eye examination from diabetic screening camps?. *Ophthalmic Epidemiology*, **2005**, 12, 393-4	1.9	13
30	Association of PEDF polymorphisms with age-related macular degeneration and polypoidal choroidal vasculopathy: a systematic review and meta-analysis. *Scientific Reports*, **2015**, 5, 9497	4.9	10
29	Emerging trends in childhood blindness and ocular morbidity in India: the Pavagada Pediatric Eye Disease Study 2. *Eye*, **2018**, 32, 1590-1598	4.4	10
28	Aditya Jyot-Diabetic Retinopathy in Urban Mumbai Slums Study (AJ-DRUMSS): study design and methodology - report 1. *Ophthalmic Epidemiology*, **2014**, 21, 51-60	1.9	10
27	Retinoblastoma: from disease to discovery. *Ophthalmic Research*, **2008**, 40, 221-6	2.9	10
26	Genetics of Diabetic Retinopathy. *International Journal of Human Genetics*, **2008**, 8, 155-159	1	10

25	RPE65 gene: multiplex PCR and mutation screening in patients from India with retinal degenerative diseases. *Journal of Genetics*, **2002**, 81, 19-23	1.2	9
24	Cells as irreducible wholes: the failure of mechanism and the possibility of an organicist revival. *Biology and Philosophy*, **2013**, 28, 31-52	1.7	8
23	Transforming growth factor beta-1 -509C>T polymorphism in Indian patients with primary open angle glaucoma. *Molecular Diagnosis and Therapy*, **2007**, 11, 151-4	4.5	8
22	Acute Myeloid Leukemia: Diagnosis and Management Based on Current Molecular Genetics Approach. *Cardiovascular & Hematological Disorders Drug Targets*, **2018**, 18, 199-207	1.1	8
21	CDKN1C (p57KIP2) mRNA expression in human retinoblastomas. *Ophthalmic Genetics*, **2010**, 31, 141-6	1.2	7
20	A comparison of participants and non-participants in the Chennai Glaucoma Study-rural population. *Ophthalmic Epidemiology*, **2005**, 12, 125-35	1.9	7
19	Molecular-genetic analysis of two cases with retinoblastoma: benefits for disease management. *Journal of Genetics*, **2003**, 82, 39-44	1.2	7
18	Ex vivo model for studying endothelial tip cells: Revisiting the classical aortic-ring assay. *Microvascular Research*, **2020**, 128, 103939	3.7	7
17	Consanguinity and its association with visual impairment in southern India: the Pavagada Pediatric Eye Disease Study 2. *Journal of Community Genetics*, **2019**, 10, 345-350	2.5	6
16	Molecular genetic analysis of a consanguineous south Indian family with congenital glaucoma: relevance of genetic testing and counseling. *Ophthalmic Genetics*, **2007**, 28, 17-24	1.2	6
15	Molecular Mechanisms of Antifungal Drug Resistance in Candida Species. *Journal of Clinical and Diagnostic Research JCDR*,	0	6
14	Phylogenetic characterization of biofilm forming multidrug resistant Candida albicans and Non albicans Candida causing vulvovaginal candidiasis. *Gene Reports*, **2020**, 19, 100644	1.4	5
13	Age-Related Macular Degeneration: Genetics and Biology. *Asia-Pacific Journal of Ophthalmology*, **2016**, 5, 229-35	3.5	5
12	Genetic analysis of axial length genes in high grade myopia from Indian population. *Meta Gene*, **2014**, 2, 164-75	0.7	5
11	Retinoblastoma: genetic testing versus conventional clinical screening in India. *Molecular Diagnosis and Therapy*, **2004**, 8, 237-43		5
10	Aerobic Bacterial Pathogens causing Vaginitis in Patients Attending A Tertiary Care Hospital and their Antibiotic Susceptibility Pattern. *Journal of Pure and Applied Microbiology*, **2019**, 13, 1169-1174	0.9	2
9	Ophthatome□an integrated knowledgebase of ophthalmic diseases for translating vision research into the clinic. *BMC Ophthalmology*, **2020**, 20, 442	2.3	2
8	Retinoblastoma genetics screening and clinical management. *BMC Medical Genomics*, **2021**, 14, 188	3.7	1

7	Genetics and Susceptibility of Retinal Eye Diseases in India. *Essentials in Ophthalmology*, **2019**, 147-168	0.2	1
6	Ophthalmic Genetics in India: From Tentative Beginnings in the 1980 to Major Achievements in the Twenty-First Century. *Essentials in Ophthalmology*, **2019**, 113-119	0.2	0
5	Diabetic Retinopathy: Clinical, Genetic, and Health Economics (An Asian Perspective). *Essentials in Ophthalmology*, **2019**, 345-356	0.2	0
4	Impact of Literacy on Hypertension Knowledge and Control of Blood Pressure in a Southern Indian Tertiary Hospital. *Cardiovascular & Hematological Disorders Drug Targets*, **2021**, 21, 136-140	1.1	0
3	Regenerative Medicine in Retina: The Future Cure. *Current Tissue Engineering*, **2016**, 5, 45-51		
2	Current concepts and molecular mechanisms in pharmacogenetics of essential hypertension. *Indian Journal of Pharmacology*, **2021**, 53, 301-309	2.5	
1	Genetics Diseases of the Eye in India **2004**, 369-398		