Periasamy Sundaresan

List of Publications by Year
in descending order

81 papers	2,782 citations	218677 26 h-index	189892 50 g-index
85 all docs	85 docs citations	85 times ranked	3609 citing authors

#	Article	IF	Citations
1	Mutations in sodium-borate cotransporter SLC4A11 cause recessive congenital hereditary endothelial dystrophy (CHED2). Nature Genetics, 2006, 38, 755-757.	21.4	235
2	Local and Systemic Therapy of Human Prostate Adenocarcinoma with the Conditionally Replicating Herpes Simplex Virus Vector G207. Human Gene Therapy, 1999, 10, 2237-2243.	2.7	148
3	Genome-wide association study identifies five new susceptibility loci for primary angle closure glaucoma. Nature Genetics, 2016, 48, 556-562.	21.4	147
4	Attenuated, Replication-Competent Herpes Simplex Virus Type 1 Mutant G207: Safety Evaluation in Mice. Journal of Virology, 2000, 74, 3832-3841.	3.4	139
5	Mutation of the bone morphogenetic protein GDF3 causes ocular and skeletal anomalies. Human Molecular Genetics, 2010, 19, 287-298.	2.9	134
6	In Vivo Immune Evasion Mediated by the Herpes Simplex Virus Type 1 Immunoglobulin G Fc Receptor. Journal of Virology, 1998, 72, 5351-5359.	3.4	119
7	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. Nature Genetics, 2017, 49, 993-1004.	21.4	114
8	A common variant near TGFBR3 is associated with primary open angle glaucoma. Human Molecular Genetics, 2015, 24, 3880-3892.	2.9	105
9	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. Nature Genetics, 2015, 47, 387-392.	21.4	97
10	Association of VEGF and eNOS gene polymorphisms in type 2 diabetic retinopathy. Molecular Vision, 2006, 12, 336-41.	1.1	94
11	Incomplete penetrance and phenotypic variability characterize Gdf6-attributable oculo-skeletal phenotypes. Human Molecular Genetics, 2009, 18, 1110-1121.	2.9	92
12	Association analysis of nine candidate gene polymorphisms in Indian patients with type 2 diabetic retinopathy. BMC Medical Genetics, 2010, 11, 158.	2.1	85
13	ABCB6 Mutations Cause Ocular Coloboma. American Journal of Human Genetics, 2012, 90, 40-48.	6.2	75
14	Mutational Analysis ofMIR184in Sporadic Keratoconus and Myopia. , 2013, 54, 5266.		73
15	Genome-wide association study for sight-threatening diabetic retinopathy reveals association with genetic variation near the GRB2 gene. Diabetologia, 2015, 58, 2288-2297.	6.3	73
16	Identification of Mutations in the SLC4A11 Gene in Patients With Recessive Congenital Hereditary Endothelial Dystrophy. JAMA Ophthalmology, 2008, 126, 700.	2.4	66
17	A novel polyalanine expansion in FOXL2: the first evidence for a recessive form of the blepharophimosis syndrome (BPES) associated with ovarian dysfunction. Human Genetics, 2007, 121, 107-112.	3.8	63
18	Contribution of growth differentiation factor 6-dependent cell survival to early-onset retinal dystrophies. Human Molecular Genetics, 2013, 22, 1432-1442.	2.9	56

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19	Oligomerization of SLC4A11 protein and the severity of FECD and CHED2 corneal dystrophies caused bySLC4A11mutations. Human Mutation, 2012, 33, 419-428.	2.5	46
20	EPHA2 Polymorphisms and Age-Related Cataract in India. PLoS ONE, 2012, 7, e33001.	2.5	45
21	Mutational Screening of LCA Genes Emphasizing RPE65 in South Indian Cohort of Patients. PLoS ONE, 2013, 8, e73172.	2.5	40
22	Whole-mitochondrial genome sequencing in primary open-angle glaucoma using massively parallel sequencing identifies novel and known pathogenic variants. Genetics in Medicine, 2015, 17, 279-284.	2.4	38
23	Catenin Î± 1 mutations cause familial exudative vitreoretinopathy by overactivating Norrin/Î²-catenin signaling. Journal of Clinical Investigation, 2021, 131, .	8.2	37
24	Prevalence and Pattern of Geographic Atrophy in Asia. Ophthalmology, 2020, 127, 1371-1381.	5.2	34
25	Mutations that are a common cause of Leber congenital amaurosis in northern America are rare in southern India. Molecular Vision, 2009, 15, 1781-7.	1.1	31
26	A splicing mutation in aryl hydrocarbon receptor associated with retinitis pigmentosa. Human Molecular Genetics, 2018, 27, 2563-2572.	2.9	29
27	Differential functional effects of novel mutations of the transcription factor FOXL2 in BPES patients. Human Mutation, 2008, 29, E123-E131.	2.5	27
28	Whole-exome Sequencing Analysis Identifies Mutations in the EYS Gene in Retinitis Pigmentosa in the Indian Population. Scientific Reports, 2016, 6, 19432.	3.3	27
29	The Herpes Simplex Virus-1 Glycoprotein E (gE) Mediates IgG Binding and Cell-to-Cell Spread through Distinct gE Domains. Biochemical and Biophysical Research Communications, 1997, 235, 31-35.	2.1	26
30	Multiplex Cytokine Analysis of Aqueous Humor from the Patients with Chronic Primary Angle Closure Glaucoma. Current Eye Research, 2017, 42, 1608-1613.	1.5	26
31	Genetic analysis of patients with Fuchs endothelial corneal dystrophy in India. BMC Ophthalmology, 2010, 10, 3.	1.4	25
32	Association Study in a South Indian Population Supports rs1015213 as a Risk Factor for Primary Angle Closure. , 2013, 54, 5624.		23
33	Polymorphisms in ARMS2/HTRA1 and Complement Genes and Age-Related Macular Degeneration in India: Findings from the INDEYE Study. , 2012, 53, 7492.		22
34	Investigation of VSX1 sequence variants in South Indian patients with sporadic cases of keratoconus. BMC Research Notes, 2013, 6, 103.	1.4	22
35	Evaluation of Primary Angle-Closure Glaucoma Susceptibility Loci in Patients with Early Stages of Angle-Closure Disease. Ophthalmology, 2018, 125, 664-670.	5.2	22
36	The protective variant rs7173049 at LOXL1 locus impacts on retinoic acid signaling pathway in pseudoexfoliation syndrome. Human Molecular Genetics, 2019, 28, 2531-2548.	2.9	22

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37	Lysyl Oxidaseâ€“Like 1 Gene in the Reversal of Promoter Risk Allele in Pseudoexfoliation Syndrome. JAMA Ophthalmology, 2014, 132, 949.	2.5	21
38	Reduced frequency of known mutations in a cohort of LHON patients from India. Ophthalmic Genetics, 2010, 31, 196-199.	1.2	18
39	Polymorphisms in sodium-dependent vitamin C transporter genes and plasma, aqueous humor and lens nucleus ascorbate concentrations in an ascorbate depleted setting. Experimental Eye Research, 2014, 124, 24-30.	2.6	18
40	Variants in the Wnt co-receptor LRP6 are associated with familial exudative vitreoretinopathy. Journal of Genetics and Genomics, 2022, 49, 590-594.	3.9	18
41	Whole Exome Sequencing Analysis Identifies Mutations in LRP5 in Indian Families with Familial Exudative Vitreoretinopathy. Genetic Testing and Molecular Biomarkers, 2016, 20, 346-351.	0.7	17
42	Absence of Phenotype-Genotype Correlation of Patients Expressing Mutations in the SLC4A11 Gene. Cornea, 2010, 29, 302-306.	1.7	16
43	Mutant RAMP2 causes primary open-angle glaucoma via the CRLR-cAMP axis. Genetics in Medicine, 2019, 21, 2345-2354.	2.4	16
44	Genotype/phenotype association in Indian congenital aniridia. Indian Journal of Pediatrics, 2009, 76, 513-517.	0.8	14
45	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.	2.3	12
46	Genetic analysis of oculocutaneous albinism type 1 (OCA1) in Indian families: two novel frameshift mutations in the TYR Gene. Molecular Vision, 2004, 10, 1005-10.	1.1	12
47	Whole mitochondrial genome analysis in South Indian patients with Leber's hereditary optic neuropathy. Mitochondrion, 2017, 36, 21-28.	3.4	11
48	Genetic risk factors for late age-related macular degeneration in India. British Journal of Ophthalmology, 2018, 102, 1213-1217.	3.9	11
49	Common variants in SOX-2 and congenital cataract genes contribute to age-related nuclear cataract. Communications Biology, 2020, 3, 755.	4.4	10
50	A novel mutation in the NR2E3 gene associated with Goldmann-Favre syndrome and vasoproliferative tumor of the retina. Molecular Vision, 2014, 20, 724-31.	1.1	10
51	Evaluation of Genetic Polymorphisms in Clusterin and Tumor Necrosis Factor-Alpha Genes in South Indian Individuals with Pseudoexfoliation Syndrome. Current Eye Research, 2015, 40, 1218-1224.	1.5	9
52	Establishment of human retinal mitoscriptome gene expression signature for diabetic retinopathy using cadaver eyes. Mitochondrion, 2017, 36, 150-181.	3.4	9
53	Targeted Next-Generation Sequencing Reveals Novel RP1 Mutations in Autosomal Recessive Retinitis Pigmentosa. Genetic Testing and Molecular Biomarkers, 2018, 22, 109-114.	0.7	9
54	A novel 5 bp homozygous deletion mutation in ASPH gene associates with Traboulsi syndrome. Ophthalmic Genetics, 2019, 40, 185-187.	1.2	9

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55	Evaluation of SNPs on Chromosome 2p with Primary Open Angle Glaucoma in the South Indian Cohort. , 2012, 53, 1861.		8
56	Identification and characterization of variants and a novel 4Âbp deletion in the regulatory region of <scp>SIX</scp>6, a risk factor for primary openâ€angle glaucoma. Molecular Genetics & Genomic Medicine, 2017, 5, 323-335.	1.2	8
57	Candidate Gene Analysis Identifies Mutations inCYP1B1andLTBP2in Indian Families with Primary Congenital Glaucoma. Genetic Testing and Molecular Biomarkers, 2017, 21, 252-258.	0.7	8
58	FOXL2 mutations in Indian families with blepharophimosis-ptosis-epicanthus inversus syndrome. Journal of Genetics, 2007, 86, 165-168.	0.7	7
59	Genetic variants in a sodium-dependent vitamin C transporter gene and age-related cataract. British Journal of Ophthalmology, 2019, 103, 1223-1227.	3.9	7
60	Whole exome sequencing identified novel CRB1 mutations in Chinese and Indian populations with autosomal recessive retinitis pigmentosa. Scientific Reports, 2016, 6, 33681.	3.3	6
61	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.	0.7	6
62	Genetic characterization of Stargardt clinical phenotype in South Indian patients using sanger and targeted sequencing. Eye and Vision (London, England), 2020, 7, 3.	3.0	5
63	Clinical exome sequencing facilitates the understanding of genetic heterogeneity in Leber congenital amaurosis patients with variable phenotype in southern India. Eye and Vision (London, England), 2021, 8, 20.	3.0	5
64	Analysis of theSALL4Gene in Patients with Duane Retraction Syndrome in a South Indian Population. Ophthalmic Genetics, 2011, 32, 156-157.	1.2	4
65	Clinical and genetic characterization of a large primary open angle glaucoma pedigree. Ophthalmic Genetics, 2017, 38, 222-225.	1.2	4
66	Whole-Exome Sequencing Reveals Novel TSPAN12 Variants in Autosomal Dominant Familial Exudative Vitreoretinopathy. Genetic Testing and Molecular Biomarkers, 2021, 25, 399-404.	0.7	4
67	De novo deletions in the paired domain of PAX6 in south Indian aniridic patients. Journal of Human Genetics, 2004, 49, 647-649.	2.3	3
68	MTHFR and MTHFD1 gene polymorphisms are not associated with pseudoexfoliation syndrome in South Indian population. International Ophthalmology, 2018, 38, 599-606.	1.4	2
69	A hospital-based five-year prospective study on the prevalence of Leber's hereditary optic neuropathy with genetic confirmation. Molecular Vision, 2020, 26, 789-796.	1.1	2
70	Whole-exome sequencing identifies multiple pathogenic variants in a large South Indian family with primary open-angle glaucoma. Indian Journal of Ophthalmology, 2021, 69, 2461.	1.1	1
71	Genetic Analysis of CHST6 Gene in Indian Families with Macular Corneal Dystrophy. International Journal of Genetic Science, 2017, 4, 1-10.	0.1	1
72	ABCB6 Mutations Cause Ocular Coloboma. American Journal of Human Genetics, 2012, 91, 397.	6.2	0

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73	Genetic Complexity of Primary Angle-Closure Glaucoma in Asians. Essentials in Ophthalmology, 2017, , 291-313.	0.1	0
74	Genetics of Exfoliation Syndrome in Asians. Essentials in Ophthalmology, 2019, , 381-391.	0.1	0
75	Molecular Genetics and Clinical Aspects of Macular Corneal Dystrophy. Essentials in Ophthalmology, 2021, , 289-302.	0.1	0
76	Decoding of tyrosinase leads to albinism in a nonidentical twin. Journal of Clinical Neonatology, 2018, 7, 59.	0.2	0
77	Genomic Approaches to Eye Diseases: An Asian Perspective. Essentials in Ophthalmology, 2019, , 403-415.	0.1	0
78	Clinical reassessments and whole-exome sequencing uncover novel BEST1 mutation associated with bestrophinopathy phenotype. Ophthalmic Genetics, 2021, , 1-10.	1.2	0
79	Analysis of microstructural changes in an X-linked juvenile retinoschisis patient harboring RS1 G668A mutation by en-face optical coherence tomography imaging. Indian Journal of Ophthalmology Case Reports, 2022, 2, 136.	0.1	0
80	Mutation profile of neurodegenerative mitochondriopathy â€“ LHON in Southern India. Gene, 2022, 819, 146202.	2.2	0
81	Clinical and genetic aspects of a child with monilethrix and visual rehabilitation. Indian Journal of Ophthalmology Case Reports, 2022, 2, 211.	0.1	0