

# Rajiv Raman

## List of Publications by Year in descending order

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246  
papers

9,957  
citations

117453

34  
h-index

43802

91  
g-index

253  
all docs

253  
docs citations

253  
times ranked

11830  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Validation of a Deep Learning Algorithm for Detection of Diabetic Retinopathy in Retinal Fundus Photographs. JAMA - Journal of the American Medical Association, 2016, 316, 2402.	3.8	4,738
2	Artificial intelligence and deep learning in ophthalmology. British Journal of Ophthalmology, 2019, 103, 167-175.	2.1	754
3	Prevalence of Diabetic Retinopathy in India. Ophthalmology, 2009, 116, 311-318.	2.5	277
4	Performance of a Deep-Learning Algorithm vs Manual Grading for Detecting Diabetic Retinopathy in India. JAMA Ophthalmology, 2019, 137, 987.	1.4	171
5	Deep learning versus human graders for classifying diabetic retinopathy severity in a nationwide screening program. Npj Digital Medicine, 2019, 2, 25.	5.7	121
6	Prevalence and risk factors for diabetic retinopathy in rural India. Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetic Study III (SN-DREAMS III), report no 2. BMJ Open Diabetes Research and Care, 2014, 2, e000005.	1.2	113
7	Fundus photograph-based deep learning algorithms in detecting diabetic retinopathy. Eye, 2019, 33, 97-109.	1.1	109
8	Does Neuronal Damage Precede Vascular Damage in Subjects with Type 2 Diabetes Mellitus and Having No Clinical Diabetic Retinopathy?. Ophthalmic Research, 2012, 47, 202-207.	1.0	88
9	Sankara Nethralayaâ€™Diabetic Retinopathy Epidemiology and Molecular Genetic Study (SNâ€™DREAMS 1): Study Design and Research Methodology. Ophthalmic Epidemiology, 2005, 12, 143-153.	0.8	85
10	Changes in the Corneal Endothelial Cell Density and Morphology in Patients With Type 2 Diabetes Mellitus. Cornea, 2012, 31, 1119-1122.	0.9	83
11	Association of obesity with diabetic retinopathy: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetics Study (SN-DREAMS Report no. 8). Acta Diabetologica, 2010, 47, 209-215.	1.2	82
12	Real-time diabetic retinopathy screening by deep learning in a multisite national screening programme: a prospective interventional cohort study. The Lancet Digital Health, 2022, 4, e235-e244.	5.9	82
13	Prevalence and risk factors for diabetic microvascular complications in newly diagnosed type II diabetes mellitus. Sankara Nethralaya Diabetic Retinopathy Epidemiology And Molecular Genetic Study (SN-DREAMS, report 27). Journal of Diabetes and Its Complications, 2012, 26, 123-128.	1.2	75
14	Knowledge of diabetes and diabetic retinopathy among rural populations in India, and the influence of knowledge of diabetic retinopathy on attitude and practice. Rural and Remote Health, 2008, 8, 838.	0.4	74
15	Influence of Serum Lipids on Clinically Significant versus Nonclinically Significant Macular Edema. Ophthalmology, 2010, 117, 766-772.	2.5	72
16	Diabetic retinopathy: An epidemic at home and around the world. Indian Journal of Ophthalmology, 2016, 64, 69.	0.5	61
17	Association of VEGF Gene Polymorphisms with Diabetic Retinopathy in a South Indian Cohort. Ophthalmic Genetics, 2008, 29, 11-15.	0.5	55
18	Choroidal structural analysis in eyes with diabetic retinopathy and diabetic macular edemaâ€™A novel OCT based imaging biomarker. PLoS ONE, 2018, 13, e0207435.	1.1	54

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19	Patient Satisfaction Levels During Teleophthalmology Consultation in Rural South India. <i>Telemedicine Journal and E-Health</i> , 2006, 12, 571-578.	1.6	53
20	Impact on health and provision of healthcare services during the COVID-19 lockdown in India: a multicentre cross-sectional study. <i>BMJ Open</i> , 2021, 11, e043590.	0.8	53
21	Albuminuria and Diabetic Retinopathy in Type 2 Diabetes Mellitus Sankara Nethralaya Diabetic Retinopathy Epidemiology And Molecular Genetic Study (SN-DREAMS, report 12). <i>Diabetology and Metabolic Syndrome</i> , 2011, 3, 9.	1.2	50
22	Application of tele-ophthalmology in remote diagnosis and management of adnexal and orbital diseases. <i>Indian Journal of Ophthalmology</i> , 2009, 57, 381.	0.5	49
23	Prevalence and Risk Factors for Cataract in Diabetes: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetics Study, Report No. 17. , 2010, 51, 6253.		47
24	Teleophthalmology in Diabetic Retinopathy. <i>Journal of Diabetes Science and Technology</i> , 2014, 8, 262-266.	1.3	47
25	A 32 kb Critical Region Excluding Y402H in CFH Mediates Risk for Age-Related Macular Degeneration. <i>PLoS ONE</i> , 2011, 6, e25598.	1.1	46
26	MEASURING RETINAL SENSITIVITY WITH THE MICROPERIMETER IN PATIENTS WITH DIABETES. <i>Retina</i> , 2012, 32, 1302-1309.	1.0	45
27	The prevalence and risk factors for cataract in rural and urban India. <i>Indian Journal of Ophthalmology</i> , 2019, 67, 477.	0.5	45
28	Telemedicine in diabetic retinopathy: Current status and future directions. <i>Middle East African Journal of Ophthalmology</i> , 2015, 22, 174.	0.5	43
29	Analysis of a comprehensive diabetic retinopathy screening model for rural and urban diabetics in developing countries. <i>British Journal of Ophthalmology</i> , 2007, 91, 1425-1429.	2.1	42
30	Incidence and Progression of Diabetic Retinopathy in Urban India: Sankara Nethralaya-Diabetic Retinopathy Epidemiology and Molecular Genetics Study (SN-DREAMS II), Report 1. <i>Ophthalmic Epidemiology</i> , 2017, 24, 294-302.	0.8	42
31	Prevalence and risk factors for severity of diabetic neuropathy in type 2 diabetes mellitus. <i>Indian Journal of Medical Sciences</i> , 2010, 64, 51.	0.1	40
32	Colouring vertices of triangle-free graphs without forests. <i>Discrete Mathematics</i> , 2012, 312, 1372-1385.	0.4	40
33	OPTICAL COHERENCE TOMOGRAPHY CHARACTERISTICS IN EYES WITH OPTIC PIT MACULOPATHY. <i>Retina</i> , 2013, 33, 771-775.	1.0	40
34	Patient satisfaction with tele-ophthalmology versus ophthalmologist-based screening in diabetic retinopathy. <i>Journal of Telemedicine and Telecare</i> , 2006, 12, 159-160.	1.4	40
35	Current State of Care for Diabetic Retinopathy in India. <i>Current Diabetes Reports</i> , 2013, 13, 460-468.	1.7	36
36	Incidence, microbiology, and outcomes of endophthalmitis after 111,876 pars plana vitrectomies at a single, tertiary eye care hospital. <i>PLoS ONE</i> , 2018, 13, e0191173.	1.1	36

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37	Detection of Diabetic Retinopathy from Ultra-Widefield Scanning Laser Ophthalmoscope Images: A Multicenter Deep Learning Analysis. <i>Ophthalmology Retina</i> , 2021, 5, 1097-1106.	1.2	36
38	Intron 4 VNTR of Endothelial Nitric Oxide Synthase (eNOS) Gene and Diabetic Retinopathy in Type 2 Patients in Southern India. <i>Ophthalmic Genetics</i> , 2007, 28, 77-81.	0.5	34
39	Prevalence and Pattern of Geographic Atrophy in Asia. <i>Ophthalmology</i> , 2020, 127, 1371-1381.	2.5	34
40	Influence of dietary fibre intake on diabetes and diabetic retinopathy: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetic Study (report 26). <i>Clinical and Experimental Ophthalmology</i> , 2012, 40, 288-294.	1.3	33
41	Incidence, Risk Factors, and Outcomes of Retinal Detachment after Pediatric Cataract Surgery. <i>Ophthalmology</i> , 2018, 125, 36-42.	2.5	33
42	Anti-angiogenic effect of adiponectin in human primary microvascular and macrovascular endothelial cells. <i>Microvascular Research</i> , 2019, 122, 136-145.	1.1	33
43	Prevalence of Metabolic Syndrome and its influence on microvascular complications in the Indian population with Type 2 Diabetes Mellitus. Sankara Nethralaya Diabetic Retinopathy Epidemiology And Molecular Genetic Study (SN-DREAMS, report 14). <i>Diabetology and Metabolic Syndrome</i> , 2010, 2, 67.	1.2	32
44	Incidence, Progression, and Risk Factors for Cataract in Type 2 Diabetes. , 2017, 58, 5921.		32
45	Diabetic retinopathy screening guidelines in India: All India Ophthalmological Society diabetic retinopathy task force and Vitreoretinal Society of India Consensus Statement. <i>Indian Journal of Ophthalmology</i> , 2021, 69, 678.	0.5	31
46	Pupillary Abnormalities with Varying Severity of Diabetic Retinopathy. <i>Scientific Reports</i> , 2018, 8, 5636.	1.6	30
47	Approximation Algorithms for the Max-coloring Problem. <i>Lecture Notes in Computer Science</i> , 2005, , 1064-1075.	1.0	30
48	Anemia and diabetic retinopathy in type 2 diabetes mellitus. <i>Journal of the Association of Physicians of India</i> , The, 2010, 58, 91-4.	0.0	30
49	Macular Pigment Optical Density in a South Indian Population. , 2011, 52, 7910.		28
50	Is Prevalence of Retinopathy Related to the Age of Onset of Diabetes? Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetic Report No. 5. <i>Ophthalmic Research</i> , 2011, 45, 36-41.	1.0	27
51	Impairment of Colour Vision in Diabetes with No Retinopathy: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetics Study (SNDREAMS- II, Report 3). <i>PLoS ONE</i> , 2015, 10, e0129391.	1.1	27
52	Retinal sensitivity changes associated with diabetic neuropathy in the absence of diabetic retinopathy. <i>British Journal of Ophthalmology</i> , 2017, 101, 1174-1178.	2.1	26
53	Choroidal thickness in normal Indian subjects using Swept source optical coherence tomography. <i>PLoS ONE</i> , 2018, 13, e0197457.	1.1	26
54	Choroidal thickness in diabetic patients of Indian ethnicity. <i>Indian Journal of Ophthalmology</i> , 2015, 63, 912.	0.5	25

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55	Diabetic retinopathy: Validation study of ALR2, RAGE, iNOS and TNF gene variants in a south Indian cohort. <i>Ophthalmic Genetics</i> , 2010, 31, 244-251.	0.5	24
56	Prevalence of Refractive Errors and Associated Risk Factors in Subjects with Type 2 Diabetes Mellitus. <i>Ophthalmology</i> , 2010, 117, 1155-1162.	2.5	24
57	Local Anesthetic Agents for Vitreoretinal Surgery. <i>Ophthalmology</i> , 2015, 122, 1030-1033.	2.5	24
58	ICAM-1K469E polymorphism is a genetic determinant for the clinical risk factors of T2D subjects with retinopathy in Indians: a population-based case-control study. <i>BMJ Open</i> , 2012, 2, e001036.	0.8	23
59	Choroidal and Retinal Anatomical Responses Following Systemic Corticosteroid Therapy in Vogt-Koyanagi-Harada Disease Using Swept-Source Optical Coherence Tomography. <i>Ocular Immunology and Inflammation</i> , 2019, 27, 235-243.	1.0	23
60	Correlation between markers of renal function and sight-threatening diabetic retinopathy in type 2 diabetes: a longitudinal study in an Indian clinic population. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001325.	1.2	23
61	Relationship between triglyceride glucose index, retinopathy and nephropathy in Type 2 diabetes. <i>Endocrinology, Diabetes and Metabolism</i> , 2021, 4, e00151.	1.0	23
62	Prevalence and Risk Factors of Diabetic Retinopathy in Subjects with Suboptimal Glycemic, Blood Pressure and Lipid Control. Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetic Study (SN-DREAMS, Report 33). <i>Current Eye Research</i> , 2012, 37, 513-523.	0.7	22
63	Quasi-Polynomial Time Approximation Scheme for Weighted Geometric Set Cover on Pseudodisks and Halfspaces. <i>SIAM Journal on Computing</i> , 2015, 44, 1650-1669.	0.8	22
64	Deep Learning to Detect OCT-derived Diabetic Macular Edema from Color Retinal Photographs. <i>Ophthalmology Retina</i> , 2022, 6, 398-410.	1.2	22
65	Diabetic retinopathy screening model for rural population: awareness and screening methodology. <i>Rural and Remote Health</i> , 2005, 5, 350.	0.4	22
66	Diabetic Retinopathy and IGF-1 Gene Polymorphic Cytosine-Adenine Repeats in a Southern Indian Cohort. <i>Ophthalmic Research</i> , 2007, 39, 294-299.	1.0	21
67	Influence of serum lipids on the incidence and progression of diabetic retinopathy and macular oedema: Sankara Nethralaya Diabetic Retinopathy Epidemiology And Molecular genetics Study. <i>Clinical and Experimental Ophthalmology</i> , 2017, 45, 894-900.	1.3	21
68	Evaluation of Explainable Deep Learning Methods for Ophthalmic Diagnosis. <i>Clinical Ophthalmology</i> , 2021, Volume 15, 2573-2581.	0.9	21
69	How High is the Non-Response Rate of Patients Referred for Eye Examination from Diabetic Screening Camps?. <i>Ophthalmic Epidemiology</i> , 2005, 12, 393-394.	0.8	20
70	Abnormal sleep patterns in subjects with type II diabetes mellitus and its effect on diabetic microangiopathies: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetic Study (SN-DREAMS, report 20). <i>Acta Diabetologica</i> , 2012, 49, 255-261.	1.2	20
71	Retinal sensitivity in subjects with type 2 diabetes mellitus: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetics Study (SN-DREAMS II, Report No. 4). <i>British Journal of Ophthalmology</i> , 2016, 100, 808-813.	2.1	20
72	Evidence-based review of diabetic macular edema management: Consensus statement on Indian treatment guidelines. <i>Indian Journal of Ophthalmology</i> , 2016, 64, 14.	0.5	20

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73	The Tele-Screening Model for Diabetic Retinopathy: Evaluating the Influence of Mydriasis on the Gradability of a Single-Field 45° Digital Fundus Image. <i>Telemedicine Journal and E-Health</i> , 2007, 13, 597-602.	1.6	19
74	Assessing Framingham cardiovascular risk scores in subjects with diabetes and their correlation with diabetic retinopathy. <i>Indian Journal of Ophthalmology</i> , 2012, 60, 45.	0.5	19
75	Prevalence of posterior vitreous detachment in the population with type II diabetes mellitus and its effect on diabetic retinopathy: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetic Study SN-DREAMS report no. 23. <i>Japanese Journal of Ophthalmology</i> , 2012, 56, 262-267.	0.9	19
76	Prevalence and predictors of myopic macular degeneration among Asian adults: pooled analysis from the Asian Eye Epidemiology Consortium. <i>British Journal of Ophthalmology</i> , 2021, 105, 1140-1148.	2.1	19
77	Effect of Illumination on Colour Vision Testing with Farnsworth-Munsell 100 Hue Test: Customized Colour Vision Booth versus Room Illumination. <i>Korean Journal of Ophthalmology: KJO</i> , 2010, 24, 159.	0.5	18
78	Assignment of trainees to software project requirements: A stable matching based approach. <i>Computers and Industrial Engineering</i> , 2015, 87, 228-237.	3.4	18
79	Artificial Intelligence in Ophthalmology: Evolutions in Asia. <i>Asia-Pacific Journal of Ophthalmology</i> , 2020, 9, 78-84.	1.3	18
80	On Profit-Maximizing Pricing for the Highway and Tollbooth Problems. <i>Lecture Notes in Computer Science</i> , 2009, , 275-286.	1.0	18
81	Prevalence of visual impairment and associated risk factors in subjects with type ii diabetes mellitus: Sankara Nethralaya diabetic retinopathy epidemiology and molecular genetics study (SN-DREAMS.) <i>Tj ETQq1 1 0.7843 14 rgBif/Overl</i>	1.0	18
82	Choroidal Structural Changes in Sympathetic Ophthalmia on Swept-Source Optical Coherence Tomography. <i>Ocular Immunology and Inflammation</i> , 2021, 29, 537-542.	1.0	17
83	Prevalence of myopia and its association with diabetic retinopathy in subjects with type II diabetes mellitus: A population-based study. <i>Oman Journal of Ophthalmology</i> , 2012, 5, 91.	0.2	16
84	The effects of renal transplantation on diabetic retinopathy: Clinical course and visual outcomes. <i>Indian Journal of Ophthalmology</i> , 2013, 61, 552.	0.5	16
85	Visual impairment in high flow and low flow carotid cavernous fistula. <i>Scientific Reports</i> , 2019, 9, 12872.	1.6	16
86	Aditya Jyot-Diabetic Retinopathy in Urban Mumbai Slums Study (AJ-DRUMSS): Study Design and Methodology Report 1. <i>Ophthalmic Epidemiology</i> , 2014, 21, 51-60.	0.8	15
87	Association of systemic and ocular risk factors with neurosensory retinal detachment in diabetic macular edema: a case-control study. <i>BMC Ophthalmology</i> , 2014, 14, 47.	0.6	15
88	Retinal sensitivity over hard exudates in diabetic retinopathy. <i>Journal of Ophthalmic and Vision Research</i> , 2015, 10, 160.	0.7	15
89	Patient and provider perspectives on barriers to screening for diabetic retinopathy: an exploratory study from southern India. <i>BMJ Open</i> , 2020, 10, e037277.	0.8	15
90	Protein Kinase C $\beta 2$ ( <i>PRKCB1</i> ) and pigment epithelium derived factor ( <i>PEDF</i> ) gene polymorphisms and Diabetic Retinopathy in a south Indian cohort. <i>Ophthalmic Genetics</i> , 2010, 31, 18-23.	0.5	14

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91	Evaluation of <i>In Vivo</i> Human Retinal Morphology and Function in Myopes. <i>Current Eye Research</i> , 2011, 36, 943-946.	0.7	14
92	Need to improve awareness and treatment compliance in high-risk patients for diabetic complications in Nepal. <i>BMJ Open Diabetes Research and Care</i> , 2018, 6, e000525.	1.2	14
93	PIWI-like protein, HIWI2: A novel player in proliferative diabetic retinopathy. <i>Experimental Eye Research</i> , 2018, 177, 191-196.	1.2	14
94	INTRAOCULAR PRESSURE CHANGES AFTER DEXAMETHASONE IMPLANT IN PATIENTS WITH GLAUCOMA AND STEROID RESPONDERS. <i>Retina</i> , 2019, 39, 157-162.	1.0	14
95	The accuracy of auditory spatial judgments in the visually impaired is dependent on sound source distance. <i>Scientific Reports</i> , 2020, 10, 7169.	1.6	14
96	Max-coloring and online coloring with bandwidths on interval graphs. <i>ACM Transactions on Algorithms</i> , 2011, 7, 1-21.	0.9	13
97	Macular thickness measurements using Copernicus Spectral Domain Optical Coherence Tomography. <i>Saudi Journal of Ophthalmology</i> , 2015, 29, 121-125.	0.3	13
98	Incidence, management, and visual outcomes in pediatric endophthalmitis following cataract surgery by a single surgeon. <i>Journal of AAPOS</i> , 2016, 20, 415-418.	0.2	13
99	Association between body mass index and diabetic retinopathy in Asians: the Asian Eye Epidemiology Consortium (AEEC) study. <i>British Journal of Ophthalmology</i> , 2022, 106, 980-986.	2.1	13
100	Using artificial intelligence for diabetic retinopathy screening: Policy implications. <i>Indian Journal of Ophthalmology</i> , 2021, 69, 2993.	0.5	13
101	Clinical explainable differential diagnosis of polypoidal choroidal vasculopathy and age-related macular degeneration using deep learning. <i>Computers in Biology and Medicine</i> , 2022, 143, 105319.	3.9	13
102	Approximating interval coloring and max-coloring in chordal graphs. <i>Journal of Experimental Algorithmics</i> , 2005, 10, .	0.7	12
103	Diagonal ear lobe crease in diabetic south Indian population: Is it associated with Diabetic Retinopathy?. Sankara Nethralaya Diabetic Retinopathy Epidemiology And Molecular-genetics Study (SN-DREAMS, Report no. 3). <i>BMC Ophthalmology</i> , 2009, 9, 11.	0.6	12
104	Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetic Study (SN-DREAMS III): Study design and research methodology. <i>BMC Ophthalmology</i> , 2011, 11, 7.	0.6	12
105	Morphological and functional changes in spectral domain optical coherence tomography and microperimetry in macular microhole variants: Spectral domain optical coherence tomography and microperimetry correlation. <i>Indian Journal of Ophthalmology</i> , 2012, 60, 53.	0.5	12
106	Automated diabetic retinopathy imaging in Indian eyes: A pilot study. <i>Indian Journal of Ophthalmology</i> , 2014, 62, 1121.	0.5	12
107	Settling the APX-Hardness Status for Geometric Set Cover. , 2014, , .		12
108	Diagnostic circulating biomarkers to detect vision-threatening diabetic retinopathy: Potential screening tool of the future?. <i>Acta Ophthalmologica</i> , 2022, 100, .	0.6	12

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109	Color vision abnormalities in type II diabetes: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetics Study II report no 2. Indian Journal of Ophthalmology, 2017, 65, 989.	0.5	12
110	Protocol on a multicentre statistical and economic modelling study of risk-based stratified and personalised screening for diabetes and its complications in India (SMART India). BMJ Open, 2020, 10, e039657.	0.8	12
111	Influence of glycosylated hemoglobin on sight-threatening diabetic retinopathy: A population-based study. Diabetes Research and Clinical Practice, 2011, 92, 168-173.	1.1	11
112	Use of augmented reality technology for improving visual acuity of individuals with low vision. Indian Journal of Ophthalmology, 2020, 68, 1136.	0.5	11
113	The Sensitivity and Specificity of Nonmydriatic Digital Stereoscopic Retinal Imaging in Detecting Diabetic Retinopathy: Response to Ahmed et al.. Diabetes Care, 2007, 30, e47-e47.	4.3	10
114	Genetics of Diabetic Retinopathy. International Journal of Human Genetics, 2008, 8, 155-159.	0.1	10
115	Association of Mean Ocular Perfusion Pressure and Diabetic Retinopathy in Type 2 Diabetes Mellitus: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetic Study (SN-DREAMS,) Tj ETQq1 1 0.784314 rgBb/Overl		
116	Prevention of Age-Related Macular Degeneration. Asia-Pacific Journal of Ophthalmology, 2017, 6, 520-526.	1.3	10
117	Optimization of an in vitro bilayer model for studying the functional interplay between human primary retinal pigment epithelial and choroidal endothelial cells isolated from donor eyes. BMC Research Notes, 2019, 12, 307.	0.6	10
118	Age of Onset of Diabetes and Its Comparison with Prevalence and Risk Factors for Diabetic Retinopathy in a Rural Population of India. Ophthalmic Research, 2019, 61, 236-242.	1.0	10
119	Longitudinal Screening for Diabetic Retinopathy in a Nationwide Screening Program: Comparing Deep Learning and Human Graders. Journal of Diabetes Research, 2020, 2020, 1-8.	1.0	10
120	Deep learning for gradability classification of handheld, non-mydriatic retinal images. Scientific Reports, 2021, 11, 9469.	1.6	10
121	Microperimetry biofeedback training in a patient with bilateral myopic macular degeneration with central scotoma. Indian Journal of Ophthalmology, 2015, 63, 534.	0.5	10
122	Phenotypic characterization of X-linked retinoschisis: Clinical, electroretinography, and optical coherence tomography variables. Indian Journal of Ophthalmology, 2016, 64, 513.	0.5	10
123	Association of obesity and age-related macular degeneration in Indian population. Indian Journal of Ophthalmology, 2018, 66, 976.	0.5	10
124	Low-vision intervention in individuals with age-related macular degeneration. Indian Journal of Ophthalmology, 2020, 68, 886.	0.5	10
125	Narrative review of artificial intelligence in diabetic macular edema: Diagnosis and predicting treatment response using optical coherence tomography. Indian Journal of Ophthalmology, 2021, 69, 2999.	0.5	10
126	Multicenter Evaluation of Diagnostic Circulating Biomarkers to Detect Sight-Threatening Diabetic Retinopathy. JAMA Ophthalmology, 2022, 140, 587.	1.4	10



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127	Comparison of photodynamic therapy, ranibizumab/bevacizumab or combination in the treatment of myopic choroidal neovascularisation: a 9-year-study from a single centre. <i>British Journal of Ophthalmology</i> , 2016, 100, 1337-1340.	2.1	9
128	Packing and Covering with Non-Piercing Regions. <i>Discrete and Computational Geometry</i> , 2018, 60, 471-492.	0.4	9
129	Understanding variable disease severity in X-linked retinoschisis: Does RS1 secretory mechanism determine disease severity?. <i>PLoS ONE</i> , 2018, 13, e0198086.	1.1	9
130	Severity of diabetic retinopathy and its relationship with age at onset of diabetes mellitus in India: A multicentric study. <i>Indian Journal of Ophthalmology</i> , 2021, 69, 3255.	0.5	9
131	How accurate is the diagnosis of diabetic retinopathy on telescreening? The Indian scenario. <i>Rural and Remote Health</i> , 2014, 14, 2809.	0.4	9
132	An experimental study of different approaches to solve the market equilibrium problem. <i>Journal of Experimental Algorithmics</i> , 2008, 12, 1-21.	0.7	8
133	Retinal sensitivity in healthy Indians using microperimeter. <i>Indian Journal of Ophthalmology</i> , 2014, 62, 284.	0.5	8
134	Development and Validation of a Diabetic Retinopathy Referral Algorithm Based on Single-Field Fundus Photography. <i>PLoS ONE</i> , 2016, 11, e0163108.	1.1	8
135	Impact of treatment of diabetic macular edema on visual impairment in people with diabetes mellitus in India. <i>Indian Journal of Ophthalmology</i> , 2021, 69, 671.	0.5	8
136	Intraocular Pressure and Its Determinants in Subjects With Type 2 Diabetes Mellitus in India. <i>Journal of Preventive Medicine and Public Health</i> , 2011, 44, 157-166.	0.7	8
137	Prenatal genetic diagnosis of retinoblastoma – clinical correlates on follow-up. <i>Indian Journal of Ophthalmology</i> , 2015, 63, 741.	0.5	8
138	Improvement in distance and near visual acuities using low vision devices in diabetic retinopathy. <i>Indian Journal of Ophthalmology</i> , 2017, 65, 995.	0.5	8
139	Evaluating a Deep Learning Diabetic Retinopathy Grading System Developed on Mydriatic Retinal Images When Applied to Non-Mydriatic Community Screening. <i>Journal of Clinical Medicine</i> , 2022, 11, 614.	1.0	8
140	Colouring Vertices of Triangle-Free Graphs. <i>Lecture Notes in Computer Science</i> , 2010, , 184-195.	1.0	7
141	Five-Year Incidence and Visual Outcomes in Postintraavitreal Injection Endophthalmitis. <i>Ophthalmology</i> , 2016, 123, 1162-1164.	2.5	7
142	Adiponectin: A potential candidate for treating fibrosis in posterior segment of the eye. <i>Medical Hypotheses</i> , 2019, 123, 9-12.	0.8	7
143	EARLY SPECTRAL-DOMAIN OPTICAL COHERENCE TOMOGRAPHY BIOMARKERS TO CONFIRM FELLOW EYE CHANGES IN ASYMMETRIC TYPE-2 MACULAR TELANGIECTASIA. <i>Retina</i> , 2021, 41, 471-479.	1.0	7
144	Optical Coherence Tomography-Based Prevalence of Diabetic Macular Edema and its Associated Risk Factors in Urban South India: A Population-Based Study. <i>Ophthalmic Epidemiology</i> , 2022, 29, 149-155.	0.8	7

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145	Homocysteine & its metabolite homocysteine-thiolactone & deficiency of copper in patients with age related macular degeneration - A pilot study. Indian Journal of Medical Research, 2016, 143, 756.	0.4	7
146	Diabetic macular edema treatment guidelines in India: All India Ophthalmological Society Diabetic Retinopathy Task Force and Vitreoretinal Society of India consensus statement. Indian Journal of Ophthalmology, 2021, 69, 3076.	0.5	7
147	On the approximability of the maximum feasible subsystem problem with 0/1-coefficients. , 2009, , .		6
148	Spectral domain optical coherence tomography and microperimetry in foveal hypoplasia. Indian Journal of Ophthalmology, 2011, 59, 503.	0.5	6
149	Spectral domain optical coherence tomography characteristics in diabetic retinopathy. Oman Journal of Ophthalmology, 2014, 7, 126.	0.2	6
150	Enterococcus faecalis Endophthalmitis in Children – A 21 Year Study. Ocular Immunology and Inflammation, 2017, 26, 1-7.	1.0	6
151	Risk Factors for Endophthalmitis after Pars Plana Vitrectomies in a Tertiary Eye Institute in India. Ophthalmology Retina, 2018, 2, 779-784.	1.2	6
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