

Amitha Domalpally

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

2,563

citations

23

h-index

50

g-index

73

ext. papers

3,156

ext. citations

5.9

avg, IF

4.76

L-index

#	Paper	IF	Citations
68	Comparison of ETDRS 7-Field to 4-Widefield Digital Imaging in the Evaluation of Diabetic Retinopathy Severity.. <i>Translational Vision Science and Technology</i> , 2022 , 11, 13	3.3	
67	Artificial Intelligence Algorithms in Diabetic Retinopathy Screening.. <i>Current Diabetes Reports</i> , 2022 , 1	5.6	
66	Artificial intelligence-based strategies to identify patient populations and advance analysis in age-related macular degeneration clinical trials.. <i>Experimental Eye Research</i> , 2022 , 109092	3.7	
65	Pivotal Evaluation of an Artificial Intelligence System for Autonomous Detection of Referrable and Vision-Threatening Diabetic Retinopathy. <i>JAMA Network Open</i> , 2021 , 4, e2134254	10.4	8
64	Disease-modifying effects of ranibizumab for central retinal vein occlusion. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2021 , 1	3.8	0
63	Ellipsoid Zone Defects in Retinal Vein Occlusion Correlates With Visual Acuity Prognosis: SCORE2 Report 14. <i>Translational Vision Science and Technology</i> , 2021 , 10, 31	3.3	2
62	OCT Signs of Early Atrophy in Age-Related Macular Degeneration: Interreader Agreement: Classification of Atrophy Meetings Report 6. <i>Ophthalmology Retina</i> , 2021 ,	3.8	6
61	Multimodal, multitask, multiattention (M3) deep learning detection of reticular pseudodrusen: Toward automated and accessible classification of age-related macular degeneration. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021 , 28, 1135-1148	8.6	4
60	Feasibility Study of a Multimodal, Cloud-Based, Diabetic Retinal Screening Program in a Workplace Environment. <i>Translational Vision Science and Technology</i> , 2021 , 10, 20	3.3	2
59	AI-based monitoring of retinal fluid in disease activity and under therapy. <i>Progress in Retinal and Eye Research</i> , 2021 , 100972	20.5	5
58	Comparison of Ultra-Widefield Imaging and Standard Imaging in Assessment of Early Treatment Diabetic Retinopathy Severity Scale. <i>Ophthalmology Science</i> , 2021 , 1, 100029		
57	Serum and Macular Carotenoids in Relation to Retinal Vessel Caliber Fifteen Years Later, in the Second Carotenoids in Age-Related Eye Disease Study 2021 , 62, 20		1
56	Retinal Specialist versus Artificial Intelligence Detection of Retinal Fluid from OCT: Age-Related Eye Disease Study 2: 10-Year Follow-On Study. <i>Ophthalmology</i> , 2021 , 128, 100-109	7.3	22
55	Quantification of Geographic Atrophy Using Spectral Domain OCT in Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2021 , 5, 41-48	3.8	7
54	Association of Macular Thickness With Age and Age-Related Macular Degeneration in the Carotenoids in Age-Related Eye Disease Study 2 (CAREDS2), An Ancillary Study of the Women's Health Initiative. <i>Translational Vision Science and Technology</i> , 2021 , 10, 39	3.3	0
53	Progression of Geographic Atrophy with Subsequent Exudative Neovascular Disease in Age-Related Macular Degeneration: AREDS2 Report 24. <i>Ophthalmology Retina</i> , 2021 , 5, 108-117	3.8	5
52	Reticular Pseudodrusen Characteristics and Associations in the Carotenoids in Age-Related Eye Disease Study 2 (CAREDS2), an Ancillary Study of the Women's Health Initiative. <i>Ophthalmology Retina</i> , 2021 , 5, 721-729	3.8	5

51	Real-world validation of artificial intelligence algorithms for ophthalmic imaging. <i>The Lancet Digital Health</i> , 2021 , 3, e463-e464	14.4	0
50	Spectral Domain OCT Predictors of Visual Acuity in the Study of COmparative Treatments for REtinal Vein Occlusion 2: SCORE 2 Report 15. <i>Ophthalmology Retina</i> , 2021 , 5, 991-998	3.8	0
49	Principal Cause of Poor Visual Acuity after Neovascular Age-Related Macular Degeneration: Age-Related Eye Disease Study 2 Report Number 23. <i>Ophthalmology Retina</i> , 2021 , 5, 23-31	3.8	5
48	A semi-automated machine-learning based workflow for ellipsoid zone analysis in eyes with macular edema: SCORE2 pilot study. <i>PLoS ONE</i> , 2020 , 15, e0232494	3.7	5
47	Association of 2-Year Progression Along the AREDS AMD Scale and Development of Late Age-Related Macular Degeneration or Loss of Visual Acuity: AREDS Report 41. <i>JAMA Ophthalmology</i> , 2020 , 138, 610-617	3.9	4
46	Deep Learning Automated Detection of Reticular Pseudodrusen from Fundus Autofluorescence Images or Color Fundus Photographs in AREDS2. <i>Ophthalmology</i> , 2020 , 127, 1674-1687	7.3	9
45	Prevalence and Severity of Artifacts in Optical Coherence Tomographic Angiograms. <i>JAMA Ophthalmology</i> , 2020 , 138, 119-126	3.9	29
44	Visual Acuity Outcomes after Anti-Vascular Endothelial Growth Factor Treatment for Neovascular Age-Related Macular Degeneration: Age-Related Eye Disease Study 2 Report Number 19. <i>Ophthalmology Retina</i> , 2020 , 4, 3-12	3.8	8
43	A semi-automated machine-learning based workflow for ellipsoid zone analysis in eyes with macular edema: SCORE2 pilot study 2020 , 15, e0232494		
42	A semi-automated machine-learning based workflow for ellipsoid zone analysis in eyes with macular edema: SCORE2 pilot study 2020 , 15, e0232494		
41	A semi-automated machine-learning based workflow for ellipsoid zone analysis in eyes with macular edema: SCORE2 pilot study 2020 , 15, e0232494		
40	A semi-automated machine-learning based workflow for ellipsoid zone analysis in eyes with macular edema: SCORE2 pilot study 2020 , 15, e0232494		
39	A semi-automated machine-learning based workflow for ellipsoid zone analysis in eyes with macular edema: SCORE2 pilot study 2020 , 15, e0232494		
38	A semi-automated machine-learning based workflow for ellipsoid zone analysis in eyes with macular edema: SCORE2 pilot study 2020 , 15, e0232494		
37	Prevalence, Risk, and Genetic Association of Reticular Pseudodrusen in Age-related Macular Degeneration: Age-Related Eye Disease Study 2 Report 21. <i>Ophthalmology</i> , 2019 , 126, 1659-1666	7.3	37
36	Precursors and Development of Geographic Atrophy with Autofluorescence Imaging: Age-Related Eye Disease Study 2 Report Number 18. <i>Ophthalmology Retina</i> , 2019 , 3, 724-733	3.8	10
35	Imaging Characteristics of Choroidal Neovascular Lesions in the AREDS2-HOME Study: Report Number 4. <i>Ophthalmology Retina</i> , 2019 , 3, 326-335	3.8	10
34	Natural History of Drusenoid Pigment Epithelial Detachment Associated with Age-Related Macular Degeneration: Age-Related Eye Disease Study 2 Report No. 17. <i>Ophthalmology</i> , 2019 , 126, 261-273	7.3	19

33	Treatment of Geographic Atrophy with Intravitreal Sirolimus: The Age-Related Eye Disease Study 2 Ancillary Study. <i>Ophthalmology Retina</i> , 2018 , 2, 441-450	3.8	15
32	Progression of Geographic Atrophy in Age-related Macular Degeneration: AREDS2 Report Number 16. <i>Ophthalmology</i> , 2018 , 125, 1913-1928	7.3	71
31	Propranolol for Proliferative Diabetic Retinopathy. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2018 , 49, 35-40	1.4	1
30	Insulin Sensitivity and Diabetic Kidney Disease in Children and Adolescents With Type 2 Diabetes: An Observational Analysis of Data From the TODAY Clinical Trial. <i>American Journal of Kidney Diseases</i> , 2018 , 71, 65-74	7.4	38
29	Atrophy in Neovascular Age-Related Macular Degeneration: Age-Related Eye Disease Study 2 Report Number 15. <i>Ophthalmology Retina</i> , 2018 , 2, 1021-1027	3.8	10
28	Peripheral Retinal Changes Associated with Age-Related Macular Degeneration in the Age-Related Eye Disease Study 2: Age-Related Eye Disease Study 2 Report Number 12 by the Age-Related Eye Disease Study 2 Optos PERipheral RetinA (OPERA) Study Research Group. <i>Ophthalmology</i> , 2017 , 124, 176-187	7.3	48
27	Evaluating the Validity of the Age-Related Eye Disease Study Grading Scale for Age-Related Macular Degeneration: AREDS2 Report 10. <i>JAMA Ophthalmology</i> , 2016 , 134, 1041-7	3.9	19
26	Evaluation of Geographic Atrophy from Color Photographs and Fundus Autofluorescence Images: Age-Related Eye Disease Study 2 Report Number 11. <i>Ophthalmology</i> , 2016 , 123, 2401-2407	7.3	34
25	C-reactive protein and diabetic retinopathy in Chinese patients with type 2 diabetes mellitus. <i>International Journal of Ophthalmology</i> , 2016 , 9, 111-8	1.4	8
24	Dissociations of the Fluocinolone Acetonide Implant: The Multicenter Uveitis Steroid Treatment (MUST) Trial and Follow-up Study. <i>American Journal of Ophthalmology</i> , 2016 , 164, 29-36	4.9	17
23	Effects of intravitreal ranibizumab on retinal hard exudate in diabetic macular edema: findings from the RIDE and RISE phase III clinical trials. <i>Ophthalmology</i> , 2015 , 122, 779-86	7.3	54
22	Geographic atrophy in patients with advanced dry age-related macular degeneration: current challenges and future prospects. <i>Clinical Ophthalmology</i> , 2015 , 9, 2159-74	2.5	42
21	Long-term effects of therapy with ranibizumab on diabetic retinopathy severity and baseline risk factors for worsening retinopathy. <i>Ophthalmology</i> , 2015 , 122, 367-74	7.3	127
20	Randomized trial of a home monitoring system for early detection of choroidal neovascularization home monitoring of the Eye (HOME) study. <i>Ophthalmology</i> , 2014 , 121, 535-44	7.3	126
19	Secondary analyses of the effects of lutein/zeaxanthin on age-related macular degeneration progression: AREDS2 report No. 3. <i>JAMA Ophthalmology</i> , 2014 , 132, 142-9	3.9	254
18	Randomized trial of the ForeseeHome monitoring device for early detection of neovascular age-related macular degeneration. The HOme Monitoring of the Eye (HOME) study design - HOME Study report number 1. <i>Contemporary Clinical Trials</i> , 2014 , 37, 294-300	2.3	40
17	Circularity index as a risk factor for progression of geographic atrophy. <i>Ophthalmology</i> , 2013 , 120, 2666-2671	7.5	58
16	Lutein/zeaxanthin for the treatment of age-related cataract: AREDS2 randomized trial report no. 4. <i>JAMA Ophthalmology</i> , 2013 , 131, 843-50	3.9	96

15	Evaluation of optimized digital fundus reflex photographs for lens opacities in the age-related eye disease study 2: AREDS2 report 7 2013 , 54, 5989-94		7
14	Methods and reproducibility of grading optimized digital color fundus photographs in the Age-Related Eye Disease Study 2 (AREDS2 Report Number 2) 2013 , 54, 4548-54		74
13	Development of a semi-automatic segmentation method for retinal OCT images tested in patients with diabetic macular edema. <i>PLoS ONE</i> , 2013 , 8, e82922	3.7	28
12	The Age-Related Eye Disease Study 2 (AREDS2): study design and baseline characteristics (AREDS2 report number 1). <i>Ophthalmology</i> , 2012 , 119, 2282-9	7.3	212
11	A clinical trial to maintain glycemic control in youth with type 2 diabetes. <i>New England Journal of Medicine</i> , 2012 , 366, 2247-56	59.2	614
10	Automated assessment of drusen using three-dimensional spectral-domain optical coherence tomography 2012 , 53, 1576-83		21
9	Association of outer retinal layer morphology with visual acuity in patients with retinal vein occlusion: SCORE Study Report 13. <i>Eye</i> , 2012 , 26, 919-24	4.4	14
8	Optical coherence tomography evaluation in the Multicenter Uveitis Steroid Treatment (MUST) trial. <i>Ocular Immunology and Inflammation</i> , 2012 , 20, 443-7	2.8	13
7	Baseline characteristics and response to treatment of participants with hemiretinal compared with branch retinal or central retinal vein occlusion in the standard care vs corticosteroid for retinal vein occlusion (SCORE) study: SCORE study report 14. <i>JAMA Ophthalmology</i> , 2012 , 130, 1517-24		23
6	Long-term effects of ranibizumab on diabetic retinopathy severity and progression. <i>JAMA Ophthalmology</i> , 2012 , 130, 1145-52		185
5	Repeatability of retinal thickness measurements between spectral-domain and time-domain optical coherence tomography images in macular disease. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2010 , 41 Suppl, S34-41	1.4	13
4	Quantitative analysis of the Stratus optical coherence tomography fast macular thickness map reports. <i>Indian Journal of Ophthalmology</i> , 2010 , 58, 131-6	1.6	2
3	Standard Care vs Corticosteroid for Retinal Vein Occlusion (SCORE) Study system for evaluation of stereoscopic color fundus photographs and fluorescein angiograms: SCORE Study Report 9. <i>JAMA Ophthalmology</i> , 2010 , 128, 1140-5		32
2	The Standard Care vs Corticosteroid for Retinal Vein Occlusion (SCORE) study system for evaluation of optical coherence tomograms: SCORE study report 4. <i>JAMA Ophthalmology</i> , 2009 , 127, 1461-7		23
1	Quality issues in interpretation of optical coherence tomograms in macular diseases. <i>Retina</i> , 2009 , 29, 775-81	3.6	38