

# Amitha Domalpally

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

3,723  
citations

201575

27  
h-index

133188

59  
g-index

73  
all docs

73  
docs citations

73  
times ranked

4149  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | A Clinical Trial to Maintain Glycemic Control in Youth with Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2012, 366, 2247-2256.   | 13.9 | 790       |
| 2  | Secondary Analyses of the Effects of Lutein/Zeaxanthin on Age-Related Macular Degeneration Progression. <i>JAMA Ophthalmology</i> , 2014, 132, 142.   | 1.4  | 330       |
| 3  | The Age-related Eye Disease Study 2 (AREDS2). <i>Ophthalmology</i> , 2012, 119, 2282-2289.  | 2.5  | 291       |
| 4  | Long-term Effects of Ranibizumab on Diabetic Retinopathy Severity and Progression. <i>JAMA Ophthalmology</i> , 2012, 130, 1145.   | 2.6  | 218       |
| 5  | Long-term Effects of Therapy with Ranibizumab on Diabetic Retinopathy Severity and Baseline Risk Factors for Worsening Retinopathy. <i>Ophthalmology</i> , 2015, 122, 367-374.  | 2.5  | 164       |
| 6  | 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, 535-544.  | 2.5  | 158       |
| 7  | Progression of Geographic Atrophy in Age-related Macular Degeneration. <i>Ophthalmology</i> , 2018, 125, 1913-1928.   | 2.5  | 127       |
| 8  | Lutein/Zeaxanthin for the Treatment of Age-Related Cataract. <i>JAMA Ophthalmology</i> , 2013, 131, 843.  | 1.4  | 119       |
| 9  | 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.  |      | 96        |
| 10 | 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.   | 2.8  | 83        |
| 11 | Circularity Index as a Risk Factor for Progression of Geographic Atrophy. <i>Ophthalmology</i> , 2013, 120, 2666-2671.  | 2.5  | 72        |
| 12 | Prevalence, Risk, and Genetic Association of Reticular Pseudodrusen in Age-related Macular Degeneration. <i>Ophthalmology</i> , 2019, 126, 1659-1666.   | 2.5  | 69        |
| 13 | Effects of Intravitreal Ranibizumab on Retinal Hard Exudate in Diabetic Macular Edema. <i>Ophthalmology</i> , 2015, 122, 779-786.   | 2.5  | 67        |
| 14 | Peripheral Retinal Changes Associated with Age-Related Macular Degeneration in the Age-Related Eye Disease Study 2. <i>Ophthalmology</i> , 2017, 124, 479-487.  | 2.5  | 65        |
| 15 | Geographic atrophy in patients with advanced dry age-related macular degeneration: current challenges and future prospects. <i>Clinical Ophthalmology</i> , 2015, 9, 2159.  | 0.9  | 61        |
| 16 | Prevalence and Severity of Artifacts in Optical Coherence Tomographic Angiograms. <i>JAMA Ophthalmology</i> , 2020, 138, 119.   | 1.4  | 61        |
| 17 | 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.                                    | 2.1  | 60        |
| 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. | 0.8  | 56        |

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|----|--|-----|-----------|
| 19 | Retinal Specialist versus Artificial Intelligence Detection of Retinal Fluid from OCT. <i>Ophthalmology</i> , 2021, 128, 100-109.  | 2.5 | 53        |
| 20 | Evaluation of Geographic Atrophy from Color Photographs and Fundus Autofluorescence Images. <i>Ophthalmology</i> , 2016, 123, 2401-2407.   | 2.5 | 50        |
| 21 | QUALITY ISSUES IN INTERPRETATION OF OPTICAL COHERENCE TOMOGRAMS IN MACULAR DISEASES. <i>Retina</i> , 2009, 29, 775-781.  | 1.0 | 41        |
| 22 | Long-term Outcomes of Adding Lutein/Zeaxanthin and $\omega$ -3 Fatty Acids to the AREDS Supplements on Age-Related Macular Degeneration Progression. <i>JAMA Ophthalmology</i> , 2022, 140, 692.   | 1.4 | 40        |
| 23 | Standard Care vs Corticosteroid for Retinal Vein Occlusion (SCORE) Study System for Evaluation of Stereoscopic Color Fundus Photographs and Fluorescein Angiograms. <i>JAMA Ophthalmology</i> , 2010, 128, 1140.   | 2.6 | 39        |
| 24 | Natural History of Drusenoid Pigment Epithelial Detachment Associated with Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2019, 126, 261-273.  | 2.5 | 38        |
| 25 | 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.  | 1.1 | 36        |
| 26 | OCT Signs of Early Atrophy in Age-Related Macular Degeneration: Interreader Agreement. <i>Ophthalmology Retina</i> , 2022, 6, 4-14.  | 1.2 | 35        |
| 27 | Treatment of Geographic Atrophy with Intravitreal Sirolimus. <i>Ophthalmology Retina</i> , 2018, 2, 441-450.   | 1.2 | 34        |
| 28 | AI-based monitoring of retinal fluid in disease activity and under therapy. <i>Progress in Retinal and Eye Research</i> , 2022, 86, 100972.  | 7.3 | 30        |
| 29 | The Standard Care vs Corticosteroid for Retinal Vein Occlusion (SCORE) Study System for Evaluation of Optical Coherence Tomograms. <i>JAMA Ophthalmology</i> , 2009, 127, 1461.  | 2.6 | 27        |
| 30 | 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. <i>JAMA Ophthalmology</i> , 2012, 130, 1517. | 2.6 | 27        |
| 31 | Reticular Pseudodrusen: The Third Macular Risk Feature for Progression to Late Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2022, 129, 1107-1119.  | 2.5 | 26        |
| 32 | Evaluating the Validity of the Age-Related Eye Disease Study Grading Scale for Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2016, 134, 1041.  | 1.4 | 24        |
| 33 | Automated Assessment of Drusen Using Three-Dimensional Spectral-Domain Optical Coherence Tomography. , 2012, 53, 1576.   |     | 22        |
| 34 | Quantification of Geographic Atrophy Using Spectral Domain OCT in Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2021, 5, 41-48.  | 1.2 | 21        |
| 35 | 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.  | 1.7 | 20        |
| 36 | Association of outer retinal layer morphology with visual acuity in patients with retinal vein occlusion: SCORE Study Report 13. <i>Eye</i> , 2012, 26, 919-924.   | 1.1 | 19        |

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|----|--|-----|-----------|
| 37 | Deep Learning Automated Detection of Reticular Pseudodrusen from Fundus Autofluorescence Images or Color Fundus Photographs in AREDS2. <i>Ophthalmology</i> , 2020, 127, 1674-1687.  | 2.5 | 19        |
| 38 | 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, S34-41.  | 0.4 | 18        |
| 39 | C-reactive protein and diabetic retinopathy in Chinese patients with type 2 diabetes mellitus. <i>International Journal of Ophthalmology</i> , 2016, 9, 111-8.   | 0.5 | 16        |
| 40 | Visual Acuity Outcomes after Anti-Vascular Endothelial Growth Factor Treatment for Neovascular Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2020, 4, 3-12.  | 1.2 | 15        |
| 41 | Optical Coherence Tomography Evaluation in the Multicenter Uveitis Steroid Treatment (MUST) Trial. <i>Ocular Immunology and Inflammation</i> , 2012, 20, 443-447.  | 1.0 | 14        |
| 42 | Atrophy in Neovascular Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2018, 2, 1021-1027.   | 1.2 | 14        |
| 43 | Imaging Characteristics of Choroidal Neovascular Lesions in the AREDS2-HOME Study: Report Number 4. <i>Ophthalmology Retina</i> , 2019, 3, 326-335.  | 1.2 | 14        |
| 44 | Precursors and Development of Geographic Atrophy with Autofluorescence Imaging. <i>Ophthalmology Retina</i> , 2019, 3, 724-733.  | 1.2 | 12        |
| 45 | 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.   | 1.1 | 12        |
| 46 | 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. | 2.2 | 11        |
| 47 | Association of 2-Year Progression Along the AREDS AMD Scale and Development of Late Age-Related Macular Degeneration or Loss of Visual Acuity. <i>JAMA Ophthalmology</i> , 2020, 138, 610.   | 1.4 | 10        |
| 48 | 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.  | 1.2 | 10        |
| 49 | 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.  | 1.2 | 10        |
| 50 | 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.   | 1.1 | 9         |
| 51 | Progression of Geographic Atrophy with Subsequent Exudative Neovascular Disease in Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2021, 5, 108-117.   | 1.2 | 9         |
| 52 | Evaluation of Optimized Digital Fundus Reflex Photographs for Lens Opacities in the Age-Related Eye Disease Study 2: AREDS2 Report 7. , 2013, 54, 5989.  |     | 8         |
| 53 | Real-world validation of artificial intelligence algorithms for ophthalmic imaging. <i>The Lancet Digital Health</i> , 2021, 3, e463-e464.   | 5.9 | 8         |
| 54 | Principal Cause of Poor Visual Acuity after Neovascular Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2021, 5, 23-31.  | 1.2 | 8         |

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|----|--|-----|-----------|
| 55 | Comparison of Ultra-Widefield Imaging and Standard Imaging in Assessment of Early Treatment Diabetic Retinopathy Severity Scale. <i>Ophthalmology Science</i> , 2021, 1, 100029.   | 1.0 | 7         |
| 56 | 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.        | 1.1 | 6         |
| 57 | 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.  | 1.1 | 5         |
| 58 | Artificial Intelligence Algorithms in Diabetic Retinopathy Screening. <i>Current Diabetes Reports</i> , 2022, 22, 267-274.   | 1.7 | 4         |
| 59 | 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.   |     | 3         |
| 60 | Redefining the Spectrum of Pentosan Polysulfate Retinopathy: Multimodal Imaging Findings from a Cross-Sectional Screening Study. <i>Ophthalmology Retina</i> , 2022, , .   | 1.2 | 3         |
| 61 | 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.  | 1.1 | 2         |
| 62 | Quantitative analysis of the Stratus optical coherence tomography fast macular thickness map reports. <i>Indian Journal of Ophthalmology</i> , 2010, 58, 131.  | 0.5 | 2         |
| 63 | Artificial intelligence-based strategies to identify patient populations and advance analysis in age-related macular degeneration clinical trials. <i>Experimental Eye Research</i> , 2022, 220, 109092.   | 1.2 | 2         |
| 64 | Propranolol for Proliferative Diabetic Retinopathy. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2018, 49, 35-40.   | 0.4 | 1         |
| 65 | Disease-modifying effects of ranibizumab for central retinal vein occlusion. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2022, 260, 799-805.   | 1.0 | 1         |
| 66 | Baseline Characteristics and Outcomes After Anti-VEGF Vascular Endothelial Growth Factor Therapy for Macular Edema in Participants With Hemiretinal Vein Occlusion Compared With Participants With Central Retinal Vein Occlusion. <i>JAMA Ophthalmology</i> , 2022, 140, 458. | 1.4 | 1         |
| 67 | Title is missing!. , 2020, 15, e0232494.   |     | 0         |
| 68 | Title is missing!. , 2020, 15, e0232494.   |     | 0         |
| 69 | Title is missing!. , 2020, 15, e0232494.   |     | 0         |
| 70 | Title is missing!. , 2020, 15, e0232494.   |     | 0         |
| 71 | Title is missing!. , 2020, 15, e0232494.   |     | 0         |
| 72 | Title is missing!. , 2020, 15, e0232494.   |     | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Implementation of a Large-Scale Image Curation Workflow Using Deep Learning Framework. Ophthalmology Science, 2022, , 100198. | 1.0 | 0         |