

Christine A Curcio

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.

202
papers

15,939
citations

65
h-index

123
g-index

216
ext. papers

18,819
ext. citations

4.8
avg, IF

6.87
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 202 | Autofluorescent Organelles Within the Retinal Pigment Epithelium in Human Donor Eyes With and Without Age-Related Macular Degeneration. 2022 , 63, 23 | | 0 |
| 201 | Fluorescence lifetime and peak emission wavelength differ between AMD patients with soft drusen and sub-retinal drusenoid deposits.. <i>Acta Ophthalmologica</i> , 2022 , | 3.7 | |
| 200 | Mitochondrial distribution in the outer plexiform layer of human retina - Does it correlate with reflectivity in OCT?. <i>Journal of Vision</i> , 2022 , 22, 2 | 0.4 | |
| 199 | Cone resilience, rod vulnerability - how precise retinal topography will help beat age-related macular degeneration.. <i>Journal of Vision</i> , 2022 , 22, 59 | 0.4 | |
| 198 | Spatial Dissociation of Subretinal Drusenoid Deposits and Impaired Scotopic and Mesopic Sensitivity in AMD. 2022 , 63, 32 | | 0 |
| 197 | The blue-light-hazard vs. blue-light-hype.. <i>American Journal of Ophthalmology</i> , 2022 , | 4.9 | 2 |
| 196 | Histology and clinical imaging lifecycle of black pigment in fibrosis secondary to neovascular age-related macular degeneration. <i>Experimental Eye Research</i> , 2021 , 108882 | 3.7 | 1 |
| 195 | Tissue fixation effects on human retinal lipid analysis by MALDI imaging and LC-MS/MS technologies. <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4798 | 2.2 | |
| 194 | Characteristics of normal human retinal pigment epithelium cells with extremes of autofluorescence or intracellular granule count. <i>Annals of Eye Science</i> , 2021 , 6, | 0.9 | 1 |
| 193 | Hyperspectral autofluorescence characterization of drusen and sub-RPE deposits in age-related macular degeneration. <i>Annals of Eye Science</i> , 2021 , 6, | 0.9 | 1 |
| 192 | BACILLARY LAYER DETACHMENT: MULTIMODAL IMAGING AND HISTOLOGIC EVIDENCE OF A NOVEL OPTICAL COHERENCE TOMOGRAPHY TERMINOLOGY: Literature Review and Proposed Theory. <i>Retina</i> , 2021 , 41, 2193-2207 | 3.6 | 9 |
| 191 | Nodular Epiretinal Gliosis in the Fovea. <i>Ophthalmology Retina</i> , 2021 , 5, 594-596 | 3.8 | |
| 190 | Spectral and lifetime resolution of fundus autofluorescence in advanced age-related macular degeneration revealing different signal sources. <i>Acta Ophthalmologica</i> , 2021 , | 3.7 | 1 |
| 189 | Neurodegeneration, gliosis, and resolution of haemorrhage in neovascular age-related macular degeneration, a clinicopathologic correlation. <i>Eye</i> , 2021 , 35, 548-558 | 4.4 | 2 |
| 188 | Erythroptasia and Chromatopsia: Case Study and Brief Review. <i>Neuro-Ophthalmology</i> , 2021 , 45, 56-60 | 0.9 | 0 |
| 187 | Biometrics, Impact, and Significance of Basal Linear Deposit and Subretinal Drusenoid Deposit in Age-Related Macular Degeneration 2021 , 62, 33 | | 12 |
| 186 | Fundus Autofluorescence in Neovascular Age-Related Macular Degeneration: A Clinicopathologic Correlation Relevant to Macular Atrophy. <i>Ophthalmology Retina</i> , 2021 , 5, 1085-1096 | 3.8 | 5 |

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| 185 | Topographic Distribution and Progression of Soft Drusen Volume in Age-Related Macular Degeneration Implicate Neurobiology of Fovea 2021 , 62, 26 | | 7 |
| 184 | PRESUMED FOVEAL BACILLARY LAYER DETACHMENT IN A PATIENT WITH TOXOPLASMOSIS CHORIORETINITIS AND PACHYCHOROID DISEASE. <i>Retinal Cases and Brief Reports</i> , 2021 , 15, 391-398 | 1.1 | 28 |
| 183 | Implication of specific retinal cell-type involvement and gene expression changes in AMD progression using integrative analysis of single-cell and bulk RNA-seq profiling. <i>Scientific Reports</i> , 2021 , 11, 15612 | 4.9 | 1 |
| 182 | Stages of Drusen-Associated Atrophy in Age-Related Macular Degeneration Visible via Histologically Validated Fundus Autofluorescence. <i>Ophthalmology Retina</i> , 2021 , 5, 730-742 | 3.8 | 9 |
| 181 | Hyperreflective Foci, Optical Coherence Tomography Progression Indicators in Age-Related Macular Degeneration, Include Transdifferentiated Retinal Pigment Epithelium 2021 , 62, 34 | | 11 |
| 180 | Progressive Dystrophy of Retinal Pigment Epithelium in Age-Related Macular Degeneration Investigated by Fluorescence Lifetime Imaging 2021 , 62, 2 | | 4 |
| 179 | Imaging Features Associated with Progression to Geographic Atrophy in Age-Related Macular Degeneration: Classification of Atrophy Meeting Report 5. <i>Ophthalmology Retina</i> , 2021 , 5, 855-867 | 3.8 | 25 |
| 178 | Functionally validated imaging endpoints in the Alabama study on early age-related macular degeneration 2 (ALSTAR2): design and methods. <i>BMC Ophthalmology</i> , 2020 , 20, 196 | 2.3 | 14 |
| 177 | Lipid Landscape of the Human Retina and Supporting Tissues Revealed by High-Resolution Imaging Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 2426-2436 | 3.5 | 12 |
| 176 | Atlas of Human Retinal Pigment Epithelium Organelles Significant for Clinical Imaging 2020 , 61, 13 | | 20 |
| 175 | Hyperreflective Foci and Specks Are Associated with Delayed Rod-Mediated Dark Adaptation in Nonneovascular Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2020 , 4, 1059-1068 | 3.8 | 13 |
| 174 | Nonexudative Macular Neovascularization Supporting Outer Retina in Age-Related Macular Degeneration: A Clinicopathologic Correlation. <i>Ophthalmology</i> , 2020 , 127, 931-947 | 7.3 | 29 |
| 173 | Autofluorescent Granules of the Human Retinal Pigment Epithelium: Phenotypes, Intracellular Distribution, and Age-Related Topography 2020 , 61, 35 | | 24 |
| 172 | Exploring a Structural Basis for Delayed Rod-Mediated Dark Adaptation in Age-Related Macular Degeneration Via Deep Learning. <i>Translational Vision Science and Technology</i> , 2020 , 9, 62 | 3.3 | 8 |
| 171 | The role of Müller cells in tractional macular disorders: an optical coherence tomography study and physical model of mechanical force transmission. <i>British Journal of Ophthalmology</i> , 2020 , 104, 466-472 | 5.5 | 24 |
| 170 | Linear and planar reflection artifacts on swept-source and spectral-domain optical coherence tomography due to hyperreflective crystalline deposits. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2020 , 258, 491-501 | 3.8 | 4 |
| 169 | SUBRETINAL DRUSENOID DEPOSIT IN AGE-RELATED MACULAR DEGENERATION: Histologic Insights Into Initiation, Progression to Atrophy, and Imaging. <i>Retina</i> , 2020 , 40, 618-631 | 3.6 | 28 |
| 168 | Lifecycles of Individual Subretinal Drusenoid Deposits and Evolution of Outer Retinal Atrophy in Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2020 , 4, 274-283 | 3.8 | 15 |

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| 167 | Novel Multimodal Imaging and Volume Rendering of Type 3 Macular Neovascularization. <i>Retina</i> , 2020 , 40, e55-e57 | 3.6 | 2 |
| 166 | Fluorescence Lifetimes and Spectra of RPE and Sub-RPE Deposits in Histology of Control and AMD Eyes 2020 , 61, 9 | | 4 |
| 165 | Measuring the Contributions of Basal Laminal Deposit and Bruch's Membrane in Age-Related Macular Degeneration 2020 , 61, 19 | | 22 |
| 164 | Recognizing Atrophy and Mixed-Type Neovascularization in Age-Related Macular Degeneration Via Clinicopathologic Correlation. <i>Translational Vision Science and Technology</i> , 2020 , 9, 8 | 3.3 | 13 |
| 163 | ABUNDANCE AND MULTIMODAL VISIBILITY OF SOFT DRUSEN IN EARLY AGE-RELATED MACULAR DEGENERATION: A Clinicopathologic Correlation. <i>Retina</i> , 2020 , 40, 1644-1648 | 3.6 | 11 |
| 162 | Local Abundance of Macular Xanthophyll Pigment Is Associated with Rod- and Cone-Mediated Vision in Aging and Age-Related Macular Degeneration 2020 , 61, 46 | | 5 |
| 161 | Imaging of Age-Related Macular Degeneration by Adaptive Optics Scanning Laser Ophthalmoscopy in Eyes With Aged Lenses or Intraocular Lenses. <i>Translational Vision Science and Technology</i> , 2020 , 9, 41 | 3.3 | 4 |
| 160 | Incomplete Retinal Pigment Epithelial and Outer Retinal Atrophy in Age-Related Macular Degeneration: Classification of Atrophy Meeting Report 4. <i>Ophthalmology</i> , 2020 , 127, 394-409 | 7.3 | 67 |
| 159 | Calcium, Diet, Imaging, and Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2019 , 137, 1333-1334 | | 39 |
| 158 | Quantifying Retinal Pigment Epithelium Dysmorphia and Loss of Histologic Autofluorescence in Age-Related Macular Degeneration 2019 , 60, 2481-2493 | | 31 |
| 157 | Tensor decomposition of hyperspectral images to study autofluorescence in age-related macular degeneration. <i>Medical Image Analysis</i> , 2019 , 56, 96-109 | 15.4 | 7 |
| 156 | SPECKLED HYPOAUTOFLUORESCENCE AS A SIGN OF RESOLVED SUBRETINAL HEMORRHAGE IN NEOVASCULAR AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2019 , 39, 1925-1935 | 3.6 | 3 |
| 155 | Retinal Pathologic Features on OCT among Eyes of Older Adults Judged Healthy by Color Fundus Photography. <i>Ophthalmology Retina</i> , 2019 , 3, 670-680 | 3.8 | 5 |
| 154 | Apolipoprotein A-I Mimetic Peptide L-4F Removes Bruch's Membrane Lipids in Aged Nonhuman Primates 2019 , 60, 461-472 | | 19 |
| 153 | The Fate and Prognostic Implications of Hyperreflective Crystalline Deposits in Nonneovascular Age-Related Macular Degeneration 2019 , 60, 3100-3109 | | 10 |
| 152 | The Cytoskeleton of the Retinal Pigment Epithelium: from Normal Aging to Age-Related Macular Degeneration. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 26 |
| 151 | Reply. <i>Ophthalmology</i> , 2019 , 126, e54-e55 | 7.3 | |
| 150 | Multi-modal Image Fusion for Multispectral Super-resolution in Microscopy. <i>Proceedings of SPIE</i> , 2019 , 10949, | 1.7 | 4 |

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| 149 | Robust Non-negative Tensor Factorization, Diffeomorphic Motion Correction, and Functional Statistics to Understand Fixation in Fluorescence Microscopy. <i>Lecture Notes in Computer Science</i> , 2019 , 11764, 658-666 | 0.9 | 1 |
| 148 | Standardizing the Assessment of Macular Pigment Using a Dual-Wavelength Autofluorescence Technique. <i>Translational Vision Science and Technology</i> , 2019 , 8, 41 | 3.3 | 19 |
| 147 | Cell-Type-Specific Complement Expression in the Healthy and Diseased Retina. <i>Cell Reports</i> , 2019 , 29, 2835-2848.e4 | 10.6 | 44 |
| 146 | CLINICOPATHOLOGIC CORRELATION OF GEOGRAPHIC ATROPHY SECONDARY TO AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2019 , 39, 802-816 | 3.6 | 28 |
| 145 | Clinicopathologic Correlation of Aneurysmal Type 1 Neovascularization in Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2019 , 3, 99-111 | 3.8 | 24 |
| 144 | The ARMS2 A69S Polymorphism Is Associated with Delayed Rod-Mediated Dark Adaptation in Eyes at Risk for Incident Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2019 , 126, 591-600 | 7.3 | 20 |
| 143 | The clinical relevance of visualising the peripheral retina. <i>Progress in Retinal and Eye Research</i> , 2019 , 68, 83-109 | 20.5 | 47 |
| 142 | Cuticular Drusen: Clinical Phenotypes and Natural History Defined Using Multimodal Imaging. <i>Ophthalmology</i> , 2018 , 125, 100-118 | 7.3 | 41 |
| 141 | Choroidal and Sub-Retinal Pigment Epithelium Caverns: Multimodal Imaging and Correspondence with Friedman Lipid Globules. <i>Ophthalmology</i> , 2018 , 125, 1287-1301 | 7.3 | 29 |
| 140 | Rod-Mediated Dark Adaptation and Macular Pigment Optical Density in Older Adults with Normal Maculas. <i>Current Eye Research</i> , 2018 , 43, 913-920 | 2.9 | 5 |
| 139 | Re: Monó et al. Drusen Ooze: A Novel Hypothesis in Geographic Atrophy (Ophthalmol Retina. 2017;1:461-473). <i>Ophthalmology Retina</i> , 2018 , 2, e1 | 3.8 | |
| 138 | DYNAMISM OF DOT SUBRETINAL DRUSENOID DEPOSITS IN AGE-RELATED MACULAR DEGENERATION DEMONSTRATED WITH ADAPTIVE OPTICS IMAGING. <i>Retina</i> , 2018 , 38, 29-38 | 3.6 | 18 |
| 137 | Visualizing melanosomes, lipofuscin, and melanolipofuscin in human retinal pigment epithelium using serial block face scanning electron microscopy. <i>Experimental Eye Research</i> , 2018 , 166, 131-139 | 3.7 | 35 |
| 136 | Clinicopathologic Correlation of Anti-Vascular Endothelial Growth Factor-Treated Type 3 Neovascularization in Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2018 , 125, 276-287 | 7.3 | 58 |
| 135 | ApoA-I Mimetic Peptide 4F Reduces Age-Related Lipid Deposition in Murine Bruch's Membrane and Causes Its Structural Remodeling. <i>Current Eye Research</i> , 2018 , 43, 135-146 | 2.9 | 18 |
| 134 | Re: Cuenca et al.: Cellular characterization of OCT and outer retinal bands using specific immunohistochemistry markers and clinical implications (Ophthalmology. 2018;125:407-422). <i>Ophthalmology</i> , 2018 , 125, e47-e48 | 7.3 | 7 |
| 133 | HISTOLOGY OF GEOGRAPHIC ATROPHY SECONDARY TO AGE-RELATED MACULAR DEGENERATION: A Multilayer Approach. <i>Retina</i> , 2018 , 38, 1937-1953 | 3.6 | 69 |
| 132 | Viewing Retinal Vasculature in Alzheimer Disease. <i>JAMA Ophthalmology</i> , 2018 , 136, 1249-1250 | 3.9 | 3 |

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| 131 | Subretinal drusenoid deposits AKA pseudodrusen. <i>Survey of Ophthalmology</i> , 2018 , 63, 782-815 | 6.1 | 107 |
| 130 | OPTICAL COHERENCE TOMOGRAPHY AND HISTOLOGY OF AGE-RELATED MACULAR DEGENERATION SUPPORT MITOCHONDRIA AS REFLECTIVITY SOURCES. <i>Retina</i> , 2018 , 38, 445-461 | 3.6 | 47 |
| 129 | Consensus Definition for Atrophy Associated with Age-Related Macular Degeneration on OCT: Classification of Atrophy Report 3. <i>Ophthalmology</i> , 2018 , 125, 537-548 | 7.3 | 253 |
| 128 | Calcified nodules in retinal drusen are associated with disease progression in age-related macular degeneration. <i>Science Translational Medicine</i> , 2018 , 10, | 17.5 | 68 |
| 127 | A New Online Portal Will Match Eye Banks With Researchers Seeking Human Ocular Tissues 2018 , 59, 4796-4797 | | 3 |
| 126 | Antecedents of Soft Drusen, the Specific Deposits of Age-Related Macular Degeneration, in the Biology of Human Macula 2018 , 59, AMD182-AMD194 | | 56 |
| 125 | Soft Drusen in Age-Related Macular Degeneration: Biology and Targeting Via the Oil Spill Strategies 2018 , 59, AMD160-AMD181 | | 110 |
| 124 | The Border of Macular Atrophy in Age-Related Macular Degeneration: A Clinicopathologic Correlation. <i>American Journal of Ophthalmology</i> , 2018 , 193, 166-177 | 4.9 | 20 |
| 123 | Evaluation of Segmentation of the Superficial and Deep Vascular Layers of the Retina by Optical Coherence Tomography Angiography Instruments in Normal Eyes. <i>JAMA Ophthalmology</i> , 2017 , 135, 259-262 | 3.8 | 98 |
| 122 | Imaging Protocols in Clinical Studies in Advanced Age-Related Macular Degeneration: Recommendations from Classification of Atrophy Consensus Meetings. <i>Ophthalmology</i> , 2017 , 124, 464-478 | 7.3 | 110 |
| 121 | Histologic and Optical Coherence Tomographic Correlates in Drusenoid Pigment Epithelium Detachment in Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2017 , 124, 644-656 | 7.3 | 83 |
| 120 | The Evolution of Outer Retinal Tubulation, a Neurodegeneration and Gliosis Prominent in Macular Diseases. <i>Ophthalmology</i> , 2017 , 124, 1353-1367 | 7.3 | 41 |
| 119 | Reply. <i>Ophthalmology</i> , 2017 , 124, e20-e21 | 7.3 | 1 |
| 118 | Retinal Pigment Epithelium Degeneration Associated With Subretinal Drusenoid Deposits in Age-Related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2017 , 175, 87-98 | 4.9 | 32 |
| 117 | The Evolution of the Plateau, an Optical Coherence Tomography Signature Seen in Geographic Atrophy 2017 , 58, 2349-2358 | | 27 |
| 116 | Subretinal Pigment Epithelial Deposition of Drusen Components Including Hydroxyapatite in a Primary Cell Culture Model 2017 , 58, 708-719 | | 72 |
| 115 | Author Response: The Evolution of the Plateau, an Optical Coherence Tomography Signature Seen in Geographic Atrophy 2017 , 58, 6196 | | 1 |
| 114 | Tractional Abnormalities of the Central Foveal Bouquet in Epiretinal Membranes: Clinical Spectrum and Pathophysiological Perspectives. <i>American Journal of Ophthalmology</i> , 2017 , 184, 167-180 | 4.9 | 61 |

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| 113 | Probing the Role of Inflammation in Age-Related Macular Degeneration. <i>JAMA Ophthalmology</i> , 2017 , 135, 843-844 | 3.9 | 6 |
| 112 | RNA expression in human retina. <i>Human Molecular Genetics</i> , 2017 , 26, R68-R74 | 5.6 | 8 |
| 111 | Clinical and Histopathologic Ocular Findings in Disseminated Mycobacterium chimaera Infection after Cardiothoracic Surgery. <i>Ophthalmology</i> , 2017 , 124, 178-188 | 7.3 | 33 |
| 110 | Activated Retinal Pigment Epithelium, an Optical Coherence Tomography Biomarker for Progression in Age-Related Macular Degeneration 2017 , 58, BIO211-BIO226 | | 54 |
| 109 | Optic neuropathy in late-onset neurodegenerative Chñiak-Higashi syndrome. <i>British Journal of Ophthalmology</i> , 2016 , 100, 704-7 | 5.5 | 3 |
| 108 | Clinical Characteristics, Choroidal Neovascularization, and Predictors of Visual Outcomes in Acquired Vitelliform Lesions. <i>American Journal of Ophthalmology</i> , 2016 , 172, 28-38 | 4.9 | 24 |
| 107 | VISUALIZING RETINAL PIGMENT EPITHELIUM PHENOTYPES IN THE TRANSITION TO GEOGRAPHIC ATROPHY IN AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2016 , 36 Suppl 1, S12-S25 | 3.6 | 56 |
| 106 | HYPERSPECTRAL AUTOFLUORESCENCE IMAGING OF DRUSEN AND RETINAL PIGMENT EPITHELIUM IN DONOR EYES WITH AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2016 , 36 Suppl 1, S127-S136 | 3.6 | 35 |
| 105 | Intraretinal Hyperreflective Foci in Acquired Vitelliform Lesions of the Macula: Clinical and Histologic Study. <i>American Journal of Ophthalmology</i> , 2016 , 164, 89-98 | 4.9 | 68 |
| 104 | Prevalence of Subretinal Drusenoid Deposits in Older Persons with and without Age-Related Macular Degeneration, by Multimodal Imaging. <i>Ophthalmology</i> , 2016 , 123, 1090-100 | 7.3 | 51 |
| 103 | A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. <i>Nature Genetics</i> , 2016 , 48, 134-43 | 36.3 | 769 |
| 102 | Delayed Rod-Mediated Dark Adaptation Is a Functional Biomarker for Incident Early Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2016 , 123, 344-351 | 7.3 | 130 |
| 101 | Spatial and Spectral Characterization of Human Retinal Pigment Epithelium Fluorophore Families by Ex Vivo Hyperspectral Autofluorescence Imaging. <i>Translational Vision Science and Technology</i> , 2016 , 5, 5 | 3.3 | 19 |
| 100 | Sequence and Expression of Complement Factor H Gene Cluster Variants and Their Roles in Age-Related Macular Degeneration Risk 2016 , 57, 2763-9 | | 9 |
| 99 | Visual Function in Older Eyes in Normal Macular Health: Association with Incident Early Age-Related Macular Degeneration 3 Years Later 2016 , 57, 1782-9 | | 22 |
| 98 | Associations Between Retinal Pigment Epithelium and Drusen Volume Changes During the Lifecycle of Large Drusenoid Pigment Epithelial Detachments 2016 , 57, 5479-5489 | | 72 |
| 97 | Quantitative Analysis of Outer Retinal Tubulation in Age-Related Macular Degeneration From Spectral-Domain Optical Coherence Tomography and Histology 2016 , 57, 2647-56 | | 24 |
| 96 | VISUALIZING RETINAL PIGMENT EPITHELIUM PHENOTYPES IN THE TRANSITION TO ATROPHY IN NEOVASCULAR AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2016 , 36 Suppl 1, S26-S39 | 3.6 | 43 |

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| 95 | Macrophages or retinal pigment epithelium expressing macrophage markers in age-related macular degeneration? Comment on Lad et al. 2015. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2016 , 254, 1237-8 | 3.8 | 3 |
| 94 | Relating Retinal Morphology and Function in Aging and Early to Intermediate Age-related Macular Degeneration Subjects. <i>American Journal of Ophthalmology</i> , 2016 , 165, 65-77 | 4.9 | 31 |
| 93 | Multi-nucleate retinal pigment epithelium cells of the human macula exhibit a characteristic and highly specific distribution. <i>Visual Neuroscience</i> , 2016 , 33, e001 | 1.7 | 28 |
| 92 | Coronary Artery Disease and Reticular Macular Disease, a Subphenotype of Early Age-Related Macular Degeneration. <i>Current Eye Research</i> , 2016 , 41, 1482-1488 | 2.9 | 15 |
| 91 | Functional optical coherence tomography enables in vivo physiological assessment of retinal rod and cone photoreceptors. <i>Scientific Reports</i> , 2015 , 5, 9595 | 4.9 | 35 |
| 90 | Variability in Human Cone Topography Assessed by Adaptive Optics Scanning Laser Ophthalmoscopy. <i>American Journal of Ophthalmology</i> , 2015 , 160, 290-300.e1 | 4.9 | 69 |
| 89 | The Project MACULA Retinal Pigment Epithelium Grading System for Histology and Optical Coherence Tomography in Age-Related Macular Degeneration 2015 , 56, 3253-68 | | 92 |
| 88 | The Onion Sign in Neovascular Age-Related Macular Degeneration Represents Cholesterol Crystals. <i>Ophthalmology</i> , 2015 , 122, 2316-26 | 7.3 | 71 |
| 87 | Dark-adapted visual function with retinal structural changes in patients with Stargardt disease. <i>Retina</i> , 2015 , 35, e13-4 | 3.6 | |
| 86 | OUTER RETINAL TUBULATION IN ADVANCED AGE-RELATED MACULAR DEGENERATION: Optical Coherence Tomographic Findings Correspond to Histology. <i>Retina</i> , 2015 , 35, 1339-50 | 3.6 | 90 |
| 85 | REFRACTILE DRUSEN: Clinical Imaging and Candidate Histology. <i>Retina</i> , 2015 , 35, 859-65 | 3.6 | 38 |
| 84 | Inner Segment Remodeling and Mitochondrial Translocation in Cone Photoreceptors in Age-Related Macular Degeneration With Outer Retinal Tubulation 2015 , 56, 2243-53 | | 64 |
| 83 | Lipofuscin redistribution and loss accompanied by cytoskeletal stress in retinal pigment epithelium of eyes with age-related macular degeneration 2015 , 56, 3242-52 | | 108 |
| 82 | Subducted and melanotic cells in advanced age-related macular degeneration are derived from retinal pigment epithelium 2015 , 56, 3269-78 | | 63 |
| 81 | RefMoB, a Reflectivity Feature Model-Based Automated Method for Measuring Four Outer Retinal Hyperreflective Bands in Optical Coherence Tomography 2015 , 56, 4166-76 | | 21 |
| 80 | Clinicopathological correlation of outer retinal tubulation in age-related macular degeneration. <i>JAMA Ophthalmology</i> , 2015 , 133, 609-12 | 3.9 | 46 |
| 79 | Correlation of Type 1 Neovascularization Associated With Acquired Vitelliform Lesion in the Setting of Age-Related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2015 , 160, 1024-1033.e3 | 4.9 | 25 |
| 78 | Transcriptome of the human retina, retinal pigmented epithelium and choroid. <i>Genomics</i> , 2015 , 105, 253-64 | 4.3 | 40 |

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| 77 | Comprehensive analysis of gene expression in human retina and supporting tissues. <i>Human Molecular Genetics</i> , 2014 , 23, 4001-14 | 5.6 | 86 |
| 76 | Internal structure consistent with remodelling in very small drusen, revealed by filipin histochemistry for esterified cholesterol. <i>British Journal of Ophthalmology</i> , 2014 , 98, 698-702 | 5.5 | 11 |
| 75 | 7-ketocholesterol accumulates in ocular tissues as a consequence of aging and is present in high levels in drusen. <i>Experimental Eye Research</i> , 2014 , 128, 151-5 | 3.7 | 45 |
| 74 | Photoreceptor perturbation around subretinal drusenoid deposits as revealed by adaptive optics scanning laser ophthalmoscopy. <i>American Journal of Ophthalmology</i> , 2014 , 158, 584-96.e1 | 4.9 | 81 |
| 73 | Age-related macular degeneration: genetics and biology coming together. <i>Annual Review of Genomics and Human Genetics</i> , 2014 , 15, 151-71 | 9.7 | 293 |
| 72 | Assessing the cone photoreceptor mosaic in eyes with pseudodrusen and soft Drusen in vivo using adaptive optics imaging. <i>Ophthalmology</i> , 2014 , 121, 545-51 | 7.3 | 69 |
| 71 | Subretinal drusenoid deposits: further characterization by lipid histochemistry. <i>Retina</i> , 2014 , 34, 825-6 | 3.6 | 55 |
| 70 | Correspondence. <i>Retina</i> , 2014 , 34, e36-7 | 3.6 | |
| 69 | Associations between abnormal rod-mediated dark adaptation and health and functioning in older adults with normal macular health 2014 , 55, 4776-89 | | 56 |
| 68 | Author response: relationship between foveal cone specialization and pit morphology in albinism 2014 , 55, 5923 | | 1 |
| 67 | Quantitative autofluorescence and cell density maps of the human retinal pigment epithelium 2014 , 55, 4832-41 | | 138 |
| 66 | Microstructure of subretinal drusenoid deposits revealed by adaptive optics imaging. <i>Biomedical Optics Express</i> , 2014 , 5, 713-27 | 3.5 | 35 |
| 65 | Simultaneous decomposition of multiple hyperspectral data sets: signal recovery of unknown fluorophores in the retinal pigment epithelium. <i>Biomedical Optics Express</i> , 2014 , 5, 4171-85 | 3.5 | 20 |
| 64 | Mice with cholesterol in Bruch's membrane: have we arrived? 2014 , 55, 7296 | | 2 |
| 63 | Outcomes of shunt tube coverage with glycerol preserved cornea versus pericardium. <i>Journal of Glaucoma</i> , 2014 , 23, 258-61 | 2.1 | 31 |
| 62 | Outer retinal corrugations in age-related macular degeneration. <i>JAMA Ophthalmology</i> , 2014 , 132, 806-13.9 | | 43 |
| 61 | Relationship between foveal cone specialization and pit morphology in albinism 2014 , 55, 4186-98 | | 97 |
| 60 | In vivo imaging of human cone photoreceptor inner segments 2014 , 55, 4244-51 | | 236 |

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| 59 | Cholesterol in the retina: the best is yet to come. <i>Progress in Retinal and Eye Research</i> , 2014 , 41, 64-89 | 20.5 | 166 |
| 58 | Histologic basis of variations in retinal pigment epithelium autofluorescence in eyes with geographic atrophy. <i>Ophthalmology</i> , 2013 , 120, 821-8 | 7.3 | 120 |
| 57 | Subretinal drusenoid deposits in non-neovascular age-related macular degeneration: morphology, prevalence, topography, and biogenesis model. <i>Retina</i> , 2013 , 33, 265-76 | 3.6 | 267 |
| 56 | Spatial distribution of the pathways of cholesterol homeostasis in human retina. <i>PLoS ONE</i> , 2012 , 7, e37926 | 3.7 | 71 |
| 55 | Retinal pigment epithelial expression of complement regulator CD46 is altered early in the course of geographic atrophy. <i>Experimental Eye Research</i> , 2011 , 93, 413-23 | 3.7 | 79 |
| 54 | Two-photon excited autofluorescence imaging of freshly isolated frog retinas. <i>Biomedical Optics Express</i> , 2011 , 2, 1494-503 | 3.5 | 13 |
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