

Thomas W Gardner

List of Publications by Citations

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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.

142
papers

10,569
citations

46
h-index

102
g-index

151
ext. papers

12,131
ext. citations

7.2
avg, IF

6.35
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 142 | Diabetic retinopathy. <i>New England Journal of Medicine</i> , 2012 , 366, 1227-39 | 59.2 | 1085 |
| 141 | Retinopathy in diabetes. <i>Diabetes Care</i> , 2004 , 27 Suppl 1, S84-7 | 14.6 | 641 |
| 140 | Diabetic retinopathy: seeing beyond glucose-induced microvascular disease. <i>Diabetes</i> , 2006 , 55, 2401-110.9 | 10.9 | 578 |
| 139 | Retinal angiogenesis in development and disease. <i>Nature</i> , 2005 , 438, 960-6 | 50.4 | 518 |
| 138 | Vascular endothelial growth factor induces rapid phosphorylation of tight junction proteins occludin and zonula occluden 1. A potential mechanism for vascular permeability in diabetic retinopathy and tumors. <i>Journal of Biological Chemistry</i> , 1999 , 274, 23463-7 | 5.4 | 466 |
| 137 | Diabetic retinopathy: more than meets the eye. <i>Survey of Ophthalmology</i> , 2002 , 47 Suppl 2, S253-62 | 6.1 | 421 |
| 136 | Minocycline reduces proinflammatory cytokine expression, microglial activation, and caspase-3 activation in a rodent model of diabetic retinopathy. <i>Diabetes</i> , 2005 , 54, 1559-65 | 0.9 | 419 |
| 135 | The Ins2Akita mouse as a model of early retinal complications in diabetes. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 2210-8 | | 390 |
| 134 | Diabetic Retinopathy: A Position Statement by the American Diabetes Association. <i>Diabetes Care</i> , 2017 , 40, 412-418 | 14.6 | 357 |
| 133 | The significance of vascular and neural apoptosis to the pathology of diabetic retinopathy 2011 , 52, 1156-63 | | 301 |
| 132 | Retinal neurodegeneration: early pathology in diabetes. <i>Clinical and Experimental Ophthalmology</i> , 2000 , 28, 3-8 | 2.4 | 243 |
| 131 | Insulin rescues retinal neurons from apoptosis by a phosphatidylinositol 3-kinase/Akt-mediated mechanism that reduces the activation of caspase-3. <i>Journal of Biological Chemistry</i> , 2001 , 276, 32814-21 | 5.4 | 230 |
| 130 | Diabetic retinopathy. <i>Diabetes Care</i> , 2003 , 26, 226-9 | 14.6 | 223 |
| 129 | Neurodegeneration in diabetic retinopathy: does it really matter?. <i>Diabetologia</i> , 2018 , 61, 1902-1912 | 10.3 | 201 |
| 128 | VEGF activation of protein kinase C stimulates occludin phosphorylation and contributes to endothelial permeability. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 5106-15 | | 186 |
| 127 | Molecular mechanisms of vascular permeability in diabetic retinopathy. <i>Seminars in Ophthalmology</i> , 1999 , 14, 240-8 | 2.4 | 176 |
| 126 | Five-Year Outcomes of Panretinal Photocoagulation vs Intravitreal Ranibizumab for Proliferative Diabetic Retinopathy: A Randomized Clinical Trial. <i>JAMA Ophthalmology</i> , 2018 , 136, 1138-1148 | 3.9 | 165 |

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|-----|--|------|-----|
| 125 | Diabetes reduces basal retinal insulin receptor signaling: reversal with systemic and local insulin. <i>Diabetes</i> , 2006 , 55, 1148-56 | 0.9 | 146 |
| 124 | Diabetic retinopathy: loss of neuroretinal adaptation to the diabetic metabolic environment. <i>Annals of the New York Academy of Sciences</i> , 2014 , 1311, 174-90 | 6.5 | 142 |
| 123 | Excessive hexosamines block the neuroprotective effect of insulin and induce apoptosis in retinal neurons. <i>Journal of Biological Chemistry</i> , 2001 , 276, 43748-55 | 5.4 | 136 |
| 122 | Tissue-specific metabolic reprogramming drives nutrient flux in diabetic complications. <i>JCI Insight</i> , 2016 , 1, e86976 | 9.9 | 132 |
| 121 | Neurodegeneration in the pathogenesis of diabetic retinopathy: molecular mechanisms and therapeutic implications. <i>Current Medicinal Chemistry</i> , 2013 , 20, 3241-50 | 4.3 | 116 |
| 120 | Effect of vascular endothelial growth factor on cultured endothelial cell monolayer transport properties. <i>Microvascular Research</i> , 2000 , 59, 265-77 | 3.7 | 108 |
| 119 | New insights into the mechanisms of diabetic complications: role of lipids and lipid metabolism. <i>Diabetologia</i> , 2019 , 62, 1539-1549 | 10.3 | 107 |
| 118 | Shear stress regulates occludin content and phosphorylation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H105-13 | 5.2 | 92 |
| 117 | Characterization of insulin signaling in rat retina in vivo and ex vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 285, E763-74 | 6 | 89 |
| 116 | The neurovascular unit and the pathophysiologic basis of diabetic retinopathy. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 1-6 | 3.8 | 88 |
| 115 | Inner retinal visual dysfunction is a sensitive marker of non-proliferative diabetic retinopathy. <i>British Journal of Ophthalmology</i> , 2012 , 96, 699-703 | 5.5 | 87 |
| 114 | Whole genome assessment of the retinal response to diabetes reveals a progressive neurovascular inflammatory response. <i>BMC Medical Genomics</i> , 2008 , 1, 26 | 3.7 | 86 |
| 113 | Functions of insulin and insulin receptor signaling in retina: possible implications for diabetic retinopathy. <i>Progress in Retinal and Eye Research</i> , 2003 , 22, 545-62 | 20.5 | 84 |
| 112 | Histamine reduces ZO-1 tight-junction protein expression in cultured retinal microvascular endothelial cells. <i>Biochemical Journal</i> , 1996 , 320 (Pt 3), 717-21 | 3.8 | 81 |
| 111 | Incidence and Risk Factors for Developing Diabetic Retinopathy among Youths with Type 1 or Type 2 Diabetes throughout the United States. <i>Ophthalmology</i> , 2017 , 124, 424-430 | 7.3 | 79 |
| 110 | Diabetes alters sphingolipid metabolism in the retina: a potential mechanism of cell death in diabetic retinopathy. <i>Diabetes</i> , 2006 , 55, 3573-80 | 0.9 | 76 |
| 109 | Analysis of glucose metabolism in diabetic rat retinas. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 290, E1057-67 | 6 | 74 |
| 108 | Subconjunctivally implantable hydrogels with degradable and thermoresponsive properties for sustained release of insulin to the retina. <i>Biomaterials</i> , 2009 , 30, 6541-7 | 15.6 | 71 |

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|-----|--|------|----|
| 107 | An integrated approach to diabetic retinopathy research. <i>JAMA Ophthalmology</i> , 2011 , 129, 230-5 | | 70 |
| 106 | Predicting development of proliferative diabetic retinopathy. <i>Diabetes Care</i> , 2013 , 36, 1562-8 | 14.6 | 68 |
| 105 | The retinal proteome in experimental diabetic retinopathy: up-regulation of crystallins and reversal by systemic and periocular insulin. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 767-79 | 7.6 | 67 |
| 104 | Insulin promotes rat retinal neuronal cell survival in a p70S6K-dependent manner. <i>Journal of Biological Chemistry</i> , 2004 , 279, 9167-75 | 5.4 | 67 |
| 103 | Risk Factors for Retinopathy in Type 1 Diabetes: The DCCT/EDIC Study. <i>Diabetes Care</i> , 2019 , 42, 875-882 | 14.6 | 63 |
| 102 | The molecular structure and function of the inner blood-retinal barrier. Penn State Retina Research Group. <i>Documenta Ophthalmologica</i> , 1999 , 97, 229-37 | 2.2 | 58 |
| 101 | Nonobese, insulin-deficient Ins2Akita mice develop type 2 diabetes phenotypes including insulin resistance and cardiac remodeling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1687-96 | 6 | 53 |
| 100 | Differential roles of hyperglycemia and hypoinsulinemia in diabetes induced retinal cell death: evidence for retinal insulin resistance. <i>PLoS ONE</i> , 2011 , 6, e26498 | 3.7 | 53 |
| 99 | Diabetic Retinopathy and Diabetic Macular Edema. <i>Developments in Ophthalmology</i> , 2016 , 55, 137-46 | | 51 |
| 98 | Proteomic Analysis of Early Diabetic Retinopathy Reveals Mediators of Neurodegenerative Brain Diseases 2018 , 59, 2264-2274 | | 49 |
| 97 | New insights into the pathophysiology of diabetic retinopathy: potential cell-specific therapeutic targets. <i>Diabetes Technology and Therapeutics</i> , 2000 , 2, 601-8 | 8.1 | 46 |
| 96 | Multidimensional Functional and Structural Evaluation Reveals Neuroretinal Impairment in Early Diabetic Retinopathy 2017 , 58, BIO277-BIO290 | | 44 |
| 95 | Effect of doxycycline vs placebo on retinal function and diabetic retinopathy progression in patients with severe nonproliferative or non-high-risk proliferative diabetic retinopathy: a randomized clinical trial. <i>JAMA Ophthalmology</i> , 2014 , 132, 535-43 | 3.9 | 44 |
| 94 | A transmural pressure gradient induces mechanical and biological adaptive responses in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H731-41 | 5.2 | 43 |
| 93 | Multimodal characterization of proliferative diabetic retinopathy reveals alterations in outer retinal function and structure. <i>Ophthalmology</i> , 2015 , 122, 957-67 | 7.3 | 42 |
| 92 | Approach for a Clinically Useful Comprehensive Classification of Vascular and Neural Aspects of Diabetic Retinal Disease 2018 , 59, 519-527 | | 41 |
| 91 | Nanoliposomal minocycline for ocular drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 130-40 | 6 | 39 |
| 90 | Differential reduction in corneal nerve fiber length in patients with type 1 or type 2 diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , 2014 , 28, 658-61 | 3.2 | 36 |

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|----|--|-----|----|
| 89 | Ablation of 4E-BP1/2 prevents hyperglycemia-mediated induction of VEGF expression in the rodent retina and in Muller cells in culture. <i>Diabetes</i> , 2010 , 59, 2107-16 | 0.9 | 36 |
| 88 | Comparison of retinal vasodilator and constrictor responses in type 2 diabetes. <i>Acta Ophthalmologica</i> , 2012 , 90, e434-41 | 3.7 | 35 |
| 87 | Impaired retinal vasodilator responses in prediabetes and type 2 diabetes. <i>Acta Ophthalmologica</i> , 2013 , 91, e462-9 | 3.7 | 34 |
| 86 | Novel potential mechanisms for diabetic macular edema: leveraging new investigational approaches. <i>Current Diabetes Reports</i> , 2008 , 8, 263-9 | 5.6 | 34 |
| 85 | Effect of shear stress on the hydraulic conductivity of cultured bovine retinal microvascular endothelial cell monolayers. <i>Current Eye Research</i> , 2000 , 21, 944-51 | 2.9 | 33 |
| 84 | Disorganization of Retinal Inner Layers (DRIL) and Neuroretinal Dysfunction in Early Diabetic Retinopathy 2018 , 59, 5481-5486 | | 33 |
| 83 | Anti-Vascular Endothelial Growth Factor Therapy for Diabetic Retinopathy: Consequences of Inadvertent Treatment Interruptions. <i>American Journal of Ophthalmology</i> , 2019 , 204, 13-18 | 4.9 | 32 |
| 82 | Effect of IL-1beta on survival and energy metabolism of R28 and RGC-5 retinal neurons 2008 , 49, 5581-92 | | 32 |
| 81 | Increased lipogenesis and impaired oxidation predict type 2 diabetic kidney disease progression in American Indians. <i>JCI Insight</i> , 2019 , 4, | 9.9 | 32 |
| 80 | Diabetic macular oedema and visual loss: relationship to location, severity and duration. <i>Acta Ophthalmologica</i> , 2009 , 87, 709-13 | 3.7 | 31 |
| 79 | ANTIHISTAMINES REDUCE BLOODRETINAL BARRIER PERMEABILITY IN TYPE I (INSULIN-DEPENDENT) DIABETIC PATIENTS WITH NONPROLIFERATIVE RETINOPATHY. <i>Retina</i> , 1995 , 15, 134-140 | 3.6 | 29 |
| 78 | The Effects of Diabetic Retinopathy and Pan-Retinal Photocoagulation on Photoreceptor Cell Function as Assessed by Dark Adaptometry 2016 , 57, 208-17 | | 29 |
| 77 | Occludin S490 Phosphorylation Regulates Vascular Endothelial Growth Factor-Induced Retinal Neovascularization. <i>American Journal of Pathology</i> , 2016 , 186, 2486-99 | 5.8 | 28 |
| 76 | Ophthalmic Screening Patterns Among Youths With Diabetes Enrolled in a Large US Managed Care Network. <i>JAMA Ophthalmology</i> , 2017 , 135, 432-438 | 3.9 | 27 |
| 75 | Neuroprotection for diabetic retinopathy. <i>Developments in Ophthalmology</i> , 2009 , 44, 56-68 | | 25 |
| 74 | Diabetic retinopathy. <i>Medical Clinics of North America</i> , 1998 , 82, 847-76 | 7 | 25 |
| 73 | Dynamic intraocular pressure measurements during vitrectomy. <i>JAMA Ophthalmology</i> , 2005 , 123, 1514-23 | | 25 |
| 72 | Intraocular pressure fluctuations during scleral buckling surgery. <i>Ophthalmology</i> , 1993 , 100, 1050-4 | 7.3 | 25 |

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|----|---|------|----|
| 71 | Safety and Feasibility of Quantitative Multiplexed Cytokine Analysis From Office-Based Vitreous Aspiration 2016 , 57, 3017-23 | | 25 |
| 70 | Effect of doxycycline vs placebo on retinal function and diabetic retinopathy progression in mild to moderate nonproliferative diabetic retinopathy: a randomized proof-of-concept clinical trial. <i>JAMA Ophthalmology</i> , 2014 , 132, 1137-42 | 3.9 | 24 |
| 69 | Physiological transport properties of cultured retinal microvascular endothelial cell monolayers. <i>Current Eye Research</i> , 1997 , 16, 761-8 | 2.9 | 24 |
| 68 | Diabetic retinopathy: research to clinical practice. <i>Clinical Diabetes and Endocrinology</i> , 2017 , 3, 9 | 4.7 | 23 |
| 67 | PDGF- and insulin/IGF-1-specific distinct modes of class IA PI 3-kinase activation in normal rat retinas and RGC-5 retinal ganglion cells 2008 , 49, 3687-98 | | 23 |
| 66 | An extension of the Early Treatment Diabetic Retinopathy Study (ETDRS) system for grading of diabetic macular edema in the Astemizole Retinopathy Trial. <i>Current Eye Research</i> , 2006 , 31, 535-47 | 2.9 | 23 |
| 65 | Bioelectric impact of pathological angiogenesis on vascular function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9934-9 | 11.5 | 22 |
| 64 | Rates of Vitrectomy among Enrollees in a United States Managed Care Network, 2001-2012. <i>Ophthalmology</i> , 2016 , 123, 590-8 | 7.3 | 21 |
| 63 | Visual Field Changes Over 5 Years in Patients Treated With Panretinal Photocoagulation or Ranibizumab for Proliferative Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2020 , 138, 285-293 | 3.9 | 20 |
| 62 | Subconjunctivally Implanted Hydrogels for Sustained Insulin Release to Reduce Retinal Cell Apoptosis in Diabetic Rats 2015 , 56, 7839-46 | | 20 |
| 61 | Shared and distinct lipid-lipid interactions in plasma and affected tissues in a diabetic mouse model. <i>Journal of Lipid Research</i> , 2018 , 59, 173-183 | 6.3 | 20 |
| 60 | mTORC1-independent reduction of retinal protein synthesis in type 1 diabetes. <i>Diabetes</i> , 2014 , 63, 3077-89 | 6.9 | 19 |
| 59 | Insulin-like growth factor 1 rescues R28 retinal neurons from apoptotic death through ERK-mediated BimEL phosphorylation independent of Akt. <i>Experimental Eye Research</i> , 2016 , 151, 82-95 | 3.7 | 19 |
| 58 | Phosphatase control of 4E-BP1 phosphorylation state is central for glycolytic regulation of retinal protein synthesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E546-56 | 6 | 18 |
| 57 | A proposal for early and personalized treatment of diabetic retinopathy based on clinical pathophysiology and molecular phenotyping. <i>Vision Research</i> , 2017 , 139, 153-160 | 2.1 | 18 |
| 56 | Mucinous adenocarcinoma of the eyelid. A case report. <i>JAMA Ophthalmology</i> , 1984 , 102, 912 | | 18 |
| 55 | VEGF increases paracellular transport without altering the solvent-drag reflection coefficient. <i>Microvascular Research</i> , 2004 , 68, 295-302 | 3.7 | 17 |
| 54 | Reduction of severe macular edema in eyes with poor vision after panretinal photocoagulation for proliferative diabetic retinopathy. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1991 , 229, 323-8 | 3.8 | 17 |

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|----|---|------|----|
| 53 | The Prevalence and Determinants of Cognitive Deficits and Traditional Diabetic Complications in the Severely Obese. <i>Diabetes Care</i> , 2020 , 43, 683-690 | 14.6 | 16 |
| 52 | Optic disk drusen, peripapillary choroidal neovascularization, and POEMS syndrome. <i>American Journal of Ophthalmology</i> , 2002 , 133, 275-6 | 4.9 | 16 |
| 51 | An eye on insulin. <i>Journal of Clinical Investigation</i> , 2003 , 111, 1817-9 | 15.9 | 16 |
| 50 | Report From the NEI/FDA Diabetic Retinopathy Clinical Trial Design and Endpoints Workshop 2016 , 57, 5127-5142 | | 15 |
| 49 | Photoc maculopathy secondary to short-circuiting of a high-tension electric current. <i>Ophthalmology</i> , 1982 , 89, 865-8 | 7.3 | 14 |
| 48 | Impaired Retinal Vasoreactivity: An Early Marker of Stroke Risk in Diabetes. <i>Journal of Neuroimaging</i> , 2017 , 27, 78-84 | 2.8 | 11 |
| 47 | Impaired coronary and retinal vasomotor function to hyperoxia in Individuals with Type 2 diabetes. <i>Microvascular Research</i> , 2015 , 101, 1-7 | 3.7 | 11 |
| 46 | Retinal Failure in Diabetes: a Feature of Retinal Sensory Neuropathy. <i>Current Diabetes Reports</i> , 2015 , 15, 107 | 5.6 | 11 |
| 45 | Burning fat fuels photoreceptors. <i>Nature Medicine</i> , 2016 , 22, 342-3 | 50.5 | 10 |
| 44 | Impact of diagnosing diabetic complications on future hemoglobin A1c levels. <i>Journal of Diabetes and Its Complications</i> , 2016 , 30, 323-8 | 3.2 | 9 |
| 43 | Current and future management of diabetic retinopathy: a personalized evidence-based approach. <i>Diabetes Management</i> , 2013 , 3, 481-494 | 0 | 9 |
| 42 | Ruboxistaurin for diabetic retinopathy. <i>Ophthalmology</i> , 2006 , 113, 2135-6 | 7.3 | 9 |
| 41 | Blood Pressure Is Associated with Receiving Intravitreal Anti-Vascular Endothelial Growth Factor Treatment in Patients with Diabetes. <i>Ophthalmology Retina</i> , 2019 , 3, 410-416 | 3.8 | 8 |
| 40 | Quantification of fundus autofluorescence to detect disease severity in nonexudative age-related macular degeneration. <i>JAMA Ophthalmology</i> , 2013 , 131, 1009-15 | 3.9 | 8 |
| 39 | Insulin signaling in retinal neurons is regulated within cholesterol-enriched membrane microdomains. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 300, E600-9 | 6 | 8 |
| 38 | A critical review: Psychophysical assessments of diabetic retinopathy. <i>Survey of Ophthalmology</i> , 2021 , 66, 213-230 | 6.1 | 8 |
| 37 | mTORC1 and mTORC2 expression in inner retinal neurons and glial cells. <i>Experimental Eye Research</i> , 2020 , 197, 108131 | 3.7 | 7 |
| 36 | Phosphorylation site mapping of endogenous proteins: a combined MS and bioinformatics approach. <i>Journal of Proteome Research</i> , 2009 , 8, 798-807 | 5.6 | 7 |

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|----|---|-----|---|
| 35 | Ocular findings in HIV-infected haemophiliacs. <i>Haemophilia</i> , 1996 , 2, 63-4 | 3.3 | 7 |
| 34 | A survey of intraocular silicone oil use in the United States. <i>Ophthalmology</i> , 1992 , 99, 1174-6 | 7.3 | 7 |
| 33 | Astemizole reduces blood-retinal barrier leakage in experimental diabetes. <i>Journal of Diabetes and Its Complications</i> , 1992 , 6, 230-5 | 3.2 | 7 |
| 32 | Diabetes diminishes phosphatidic acid in the retina: a putative mediator for reduced mTOR signaling and increased neuronal cell death 2012 , 53, 7257-67 | | 7 |
| 31 | THE RESTORE STUDY. <i>Evidence-Based Ophthalmology</i> , 2011 , 12, 206-207 | | 5 |
| 30 | Developmental and light regulation of tumor suppressor protein PP2A in the retina. <i>Oncotarget</i> , 2018 , 9, 1505-1523 | 3.3 | 5 |
| 29 | Integrative Biology of Diabetic Retinal Disease: Lessons from Diabetic Kidney Disease. <i>Journal of Clinical Medicine</i> , 2021 , 10, | 5.1 | 5 |
| 28 | Light scatter causes the grayness of detached retinas: implications for vision loss in retinal detachment. <i>JAMA Ophthalmology</i> , 2003 , 121, 1002-8 | | 4 |
| 27 | Complications of retinal laser therapy and their prevention. <i>Seminars in Ophthalmology</i> , 1991 , 6, 19-26 | 2.4 | 4 |
| 26 | Future opportunities in diabetic retinopathy research. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2016 , 23, 91-6 | 4 | 4 |
| 25 | Ophthalmology patient knowledge of personal and recommended ABCs of diabetes care. <i>JAMA Ophthalmology</i> , 2010 , 128, 1495-6 | | 3 |
| 24 | Diminished retinal complex lipid synthesis and impaired fatty acid oxidation associated with human diabetic retinopathy. <i>JCI Insight</i> , 2021 , 6, | 9.9 | 3 |
| 23 | Hydrogels for Ocular Posterior Segment Drug Delivery. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2011 , 291-304 | 0.5 | 3 |
| 22 | Patient-Reported Outcomes Reveal Impairments Not Explained by Psychophysical Testing in Patients With Regressed PDR. <i>Translational Vision Science and Technology</i> , 2019 , 8, 11 | 3.3 | 2 |
| 21 | A validated analysis pipeline for mass spectrometry-based vitreous proteomics: new insights into proliferative diabetic retinopathy. <i>Clinical Proteomics</i> , 2021 , 18, 28 | 5 | 2 |
| 20 | Density-based classification in diabetic retinopathy through thickness of retinal layers from optical coherence tomography. <i>Scientific Reports</i> , 2020 , 10, 15937 | 4.9 | 2 |
| 19 | Randomized Safety and Feasibility Trial of Ultra-Rapid Cooling Anesthesia for Intravitreal Injections. <i>Ophthalmology Retina</i> , 2020 , 4, 979-986 | 3.8 | 2 |
| 18 | Identification of population characteristics through implementation of the Comprehensive Diabetic Retinopathy Program. <i>Clinical Diabetes and Endocrinology</i> , 2019 , 5, 6 | 4.7 | 1 |

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|----|--|------|---|
| 17 | Visual fields refine understanding of diabetic retinopathy progression. <i>Diabetes</i> , 2014 , 63, 2909-10 | 0.9 | 1 |
| 16 | The retinal depression sign in diabetic retinopathy. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , 1995 , 233, 617-20 | 3.8 | 1 |
| 15 | Insulin Signaling in Normal and Diabetic Conditions 2010 , 101-118 | | 1 |
| 14 | A new hypothesis on mechanisms of retinal vascular permeability in diabetes 1998 , 169-179 | | 1 |
| 13 | Treated PDR Reveals Age-Appropriate Vision Deterioration But Distorted Retinal Organization. <i>Translational Vision Science and Technology</i> , 2020 , 9, 3 | 3.3 | 1 |
| 12 | Proteomic Analyses of Vitreous in Proliferative Diabetic Retinopathy: Prior Studies and Future Outlook. <i>Journal of Clinical Medicine</i> , 2021 , 10, | 5.1 | 1 |
| 11 | Insulin-like growth factor-2 regulates basal retinal insulin receptor activity. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100712 | 5.4 | 1 |
| 10 | Reading deficits in diabetic patients treated with panretinal photocoagulation and good visual acuity. <i>Acta Ophthalmologica</i> , 2019 , 97, e1013-e1018 | 3.7 | 0 |
| 9 | It is time for a moonshot to find "Cures" for diabetic retinal disease.. <i>Progress in Retinal and Eye Research</i> , 2022 , 101051 | 20.5 | 0 |
| 8 | Awareness of Diabetic Retinopathy: Insight From the National Health and Nutrition Examination Survey. <i>American Journal of Preventive Medicine</i> , 2021 , 61, 900-909 | 6.1 | 0 |
| 7 | Reply. <i>Ophthalmology</i> , 2017 , 124, e69-e70 | 7.3 | |
| 6 | Diabetic retinopathy and diabetic macular edema 2010 , 133-136 | | |
| 5 | A method for real-time intraocular pressure monitoring during scleral buckling surgery. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , 1993 , 231, 671-3 | 3.8 | |
| 4 | The molecular structure and function of the inner blood-retinal barrier 2000 , 25-33 | | |
| 3 | Neuroglial Dysfunction in Diabetic Retinopathy 2008 , 283-301 | | |
| 2 | mTORC1 Regulates High Levels of Protein Synthesis in Retinal Ganglion Cells of Adult Mice.. <i>Journal of Biological Chemistry</i> , 2022 , 101944 | 5.4 | |
| 1 | Diabetic macular edema 2012 , 536-540 | | |