

# Thomas W Gardner

## List of Publications by Year in descending order

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149  
papers

13,693  
citations

47006

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151  
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151  
docs citations

151  
times ranked

11832  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | It is time for a moonshot to find “Cures” for diabetic retinal disease. Progress in Retinal and Eye Research, 2022, 90, 101051.   | 15.5 | 15        |
| 2  | mTORC1 regulates high levels of protein synthesis in retinal ganglion cells of adult mice. Journal of Biological Chemistry, 2022, 298, 101944.                                    | 3.4  | 2         |
| 3  | A critical review: Psychophysical assessments of diabetic retinopathy. Survey of Ophthalmology, 2021, 66, 213-230.  | 4.0  | 21        |
| 4  | Updating the Staging System for Diabetic Retinal Disease. Ophthalmology, 2021, 128, 490-493.  | 5.2  | 49        |
| 5  | Integrative Biology of Diabetic Retinal Disease: Lessons from Diabetic Kidney Disease. Journal of Clinical Medicine, 2021, 10, 1254.  | 2.4  | 10        |
| 6  | Proteomic Analyses of Vitreous in Proliferative Diabetic Retinopathy: Prior Studies and Future Outlook. Journal of Clinical Medicine, 2021, 10, 2309.                             | 2.4  | 6         |
| 7  | Awareness of Diabetic Retinopathy: Insight From the National Health and Nutrition Examination Survey. American Journal of Preventive Medicine, 2021, 61, 900-909.                 | 3.0  | 10        |
| 8  | Diminished retinal complex lipid synthesis and impaired fatty acid $\beta$ -oxidation associated with human diabetic retinopathy. JCI Insight, 2021, 6, .                         | 5.0  | 20        |
| 9  | Insulin-like growth factor-2 regulates basal retinal insulin receptor activity. Journal of Biological Chemistry, 2021, 296, 100712.   | 3.4  | 5         |
| 10 | Lapses in Care Among Patients Assigned to Ranibizumab for Proliferative Diabetic Retinopathy. JAMA Ophthalmology, 2021, 139, 1266.  | 2.5  | 12        |
| 11 | A validated analysis pipeline for mass spectrometry-based vitreous proteomics: new insights into proliferative diabetic retinopathy. Clinical Proteomics, 2021, 18, 28.           | 2.1  | 4         |
| 12 | Density-based classification in diabetic retinopathy through thickness of retinal layers from optical coherence tomography. Scientific Reports, 2020, 10, 15937.                  | 3.3  | 8         |
| 13 | Randomized Safety and Feasibility Trial of Ultra-Rapid Cooling Anesthesia for Intravitreal Injections. Ophthalmology Retina, 2020, 4, 979-986.                                    | 2.4  | 4         |
| 14 | Treated PDR Reveals Age-Appropriate Vision Deterioration But Distorted Retinal Organization. Translational Vision Science and Technology, 2020, 9, 3.                             | 2.2  | 2         |
| 15 | mTORC1 and mTORC2 expression in inner retinal neurons and glial cells. Experimental Eye Research, 2020, 197, 108131.  | 2.6  | 13        |
| 16 | The Prevalence and Determinants of Cognitive Deficits and Traditional Diabetic Complications in the Severely Obese. Diabetes Care, 2020, 43, 683-690.                             | 8.6  | 38        |
| 17 | Visual Field Changes Over 5 Years in Patients Treated With Panretinal Photocoagulation or Ranibizumab for Proliferative Diabetic Retinopathy. JAMA Ophthalmology, 2020, 138, 285. | 2.5  | 35        |
| 18 | Patient-Reported Outcomes Reveal Impairments Not Explained by Psychophysical Testing in Patients With Regressed PDR. Translational Vision Science and Technology, 2019, 8, 11.    | 2.2  | 5         |

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|----|--|-----|-----------|
| 19 | New insights into the mechanisms of diabetic complications: role of lipids and lipid metabolism. <i>Diabetologia</i> , 2019, 62, 1539-1549.  | 6.3 | 240       |
| 20 | Identification of population characteristics through implementation of the Comprehensive Diabetic Retinopathy Program. <i>Clinical Diabetes and Endocrinology</i> , 2019, 5, 6.                  | 2.7 | 1         |
| 21 | Risk Factors for Retinopathy in Type 1 Diabetes: The DCCT/EDIC Study. <i>Diabetes Care</i> , 2019, 42, 875-882.  | 8.6 | 114       |
| 22 | Anti-VEGF Vascular Endothelial Growth Factor Therapy for Diabetic Retinopathy: Consequences of Inadvertent Treatment Interruptions. <i>American Journal of Ophthalmology</i> , 2019, 204, 13-18. | 3.3 | 51        |
| 23 | Reading deficits in diabetic patients treated with panretinal photocoagulation and good visual acuity. <i>Acta Ophthalmologica</i> , 2019, 97, e1013-e1018.                                      | 1.1 | 3         |
| 24 | Blood Pressure Is Associated with Receiving Intravitreal Anti-VEGF Vascular Endothelial Growth Factor Treatment in Patients with Diabetes. <i>Ophthalmology Retina</i> , 2019, 3, 410-416.       | 2.4 | 12        |
| 25 | Increased lipogenesis and impaired $\beta$ -oxidation predict type 2 diabetic kidney disease progression in American Indians. <i>JCI Insight</i> , 2019, 4, .                                    | 5.0 | 74        |
| 26 | 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.                                     | 4.2 | 38        |
| 27 | Disorganization of Retinal Inner Layers (DRIL) and Neuroretinal Dysfunction in Early Diabetic Retinopathy. , 2018, 59, 5481.   |     | 64        |
| 28 | Neurodegeneration in diabetic retinopathy: does it really matter?. <i>Diabetologia</i> , 2018, 61, 1902-1912.  | 6.3 | 358       |
| 29 | Five-Year Outcomes of Panretinal Photocoagulation vs Intravitreal Ranibizumab for Proliferative Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2018, 136, 1138.                               | 2.5 | 264       |
| 30 | Approach for a Clinically Useful Comprehensive Classification of Vascular and Neural Aspects of Diabetic Retinal Disease. , 2018, 59, 519.   |     | 62        |
| 31 | Proteomic Analysis of Early Diabetic Retinopathy Reveals Mediators of Neurodegenerative Brain Diseases. , 2018, 59, 2264.  |     | 91        |
| 32 | Developmental and light regulation of tumor suppressor protein PP2A in the retina. <i>Oncotarget</i> , 2018, 9, 1505-1523.   | 1.8 | 7         |
| 33 | Diabetic Retinopathy: A Position Statement by the American Diabetes Association. <i>Diabetes Care</i> , 2017, 40, 412-418.   | 8.6 | 596       |
| 34 | 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.              | 5.2 | 111       |
| 35 | Impaired Retinal Vasoreactivity: An Early Marker of Stroke Risk in Diabetes. <i>Journal of Neuroimaging</i> , 2017, 27, 78-84.   | 2.0 | 16        |
| 36 | Ophthalmic Screening Patterns Among Youths With Diabetes Enrolled in a Large US Managed Care Network. <i>JAMA Ophthalmology</i> , 2017, 135, 432.  | 2.5 | 45        |

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|----|---|------|-----------|
| 37 | Reply. Ophthalmology, 2017, 124, e69-e70.   | 5.2  | 0         |
| 38 | A proposal for early and personalized treatment of diabetic retinopathy based on clinical pathophysiology and molecular phenotyping. Vision Research, 2017, 139, 153-160.                 | 1.4  | 32        |
| 39 | The neurovascular unit and the pathophysiologic basis of diabetic retinopathy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 1-6.                              | 1.9  | 129       |
| 40 | Multidimensional Functional and Structural Evaluation Reveals Neuroretinal Impairment in Early Diabetic Retinopathy. , 2017, 58, BIO277.  |      | 69        |
| 41 | Diabetic retinopathy: research to clinical practice. Clinical Diabetes and Endocrinology, 2017, 3, 9.   | 2.7  | 41        |
| 42 | Diabetic Retinopathy and Diabetic Macular Edema. Developments in Ophthalmology, 2016, 55, 137-146.  | 0.1  | 92        |
| 43 | The Effects of Diabetic Retinopathy and Pan-Retinal Photocoagulation on Photoreceptor Cell Function as Assessed by Dark Adaptometry. , 2016, 57, 208.                                     |      | 36        |
| 44 | Report From the NEI/FDA Diabetic Retinopathy Clinical Trial Design and Endpoints Workshop. , 2016, 57, 5127.  |      | 23        |
| 45 | Safety and Feasibility of Quantitative Multiplexed Cytokine Analysis From Office-Based Vitreous Aspiration. , 2016, 57, 3017.   |      | 36        |
| 46 | Future opportunities in diabetic retinopathy research. Current Opinion in Endocrinology, Diabetes and Obesity, 2016, 23, 91-96.   | 2.3  | 11        |
| 47 | Rates of Vitrectomy among Enrollees in a United States Managed Care Network, 2001â€“2012. Ophthalmology, 2016, 123, 590-598.  | 5.2  | 31        |
| 48 | Burning fat fuels photoreceptors. Nature Medicine, 2016, 22, 342-343.   | 30.7 | 12        |
| 49 | Occludin S490 Phosphorylation Regulates Vascular Endothelial Growth Factorâ€“Induced Retinal Neovascularization. American Journal of Pathology, 2016, 186, 2486-2499.                     | 3.8  | 37        |
| 50 | Insulin-like growth factor 1 rescues R28 retinal neurons from apoptotic death through ERK-mediated BimEL phosphorylation independent of Akt. Experimental Eye Research, 2016, 151, 82-95. | 2.6  | 25        |
| 51 | Bioelectric impact of pathological angiogenesis on vascular function. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9934-9939.              | 7.1  | 29        |
| 52 | Impact of diagnosing diabetic complications on future hemoglobin A1c levels. Journal of Diabetes and Its Complications, 2016, 30, 323-328.  | 2.3  | 10        |
| 53 | Tissue-specific metabolic reprogramming drives nutrient flux in diabetic complications. JCI Insight, 2016, 1, e86976.   | 5.0  | 188       |
| 54 | Subconjunctivally Implanted Hydrogels for Sustained Insulin Release to Reduce Retinal Cell Apoptosis in Diabetic Rats. , 2015, 56, 7839.  |      | 23        |

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|----|---|-----|-----------|
| 55 | Impaired coronary and retinal vasomotor function to hyperoxia in Individuals with Type 2 diabetes. Microvascular Research, 2015, 101, 1-7.  | 2.5 | 14        |
| 56 | Multimodal Characterization of Proliferative Diabetic Retinopathy Reveals Alterations in Outer Retinal Function and Structure. Ophthalmology, 2015, 122, 957-967.   | 5.2 | 49        |
| 57 | Phosphatase control of 4E-BP1 phosphorylation state is central for glycolytic regulation of retinal protein synthesis. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E546-E556.                 | 3.5 | 22        |
| 58 | Retinal Failure in Diabetes: a Feature of Retinal Sensory Neuropathy. Current Diabetes Reports, 2015, 15, 107.  | 4.2 | 12        |
| 59 | Diabetic retinopathy: loss of neuroretinal adaptation to the diabetic metabolic environment. Annals of the New York Academy of Sciences, 2014, 1311, 174-190.   | 3.8 | 186       |
| 60 | Visual Fields Refine Understanding of Diabetic Retinopathy Progression. Diabetes, 2014, 63, 2909-2910.  | 0.6 | 1         |
| 61 | Time to Look Back and to Look Forward. Diabetes, 2014, 63, 1169-1170.   | 0.6 | 0         |
| 62 | Effect of Doxycycline vs Placebo on Retinal Function and Diabetic Retinopathy Progression in Patients With Severe Nonproliferative or Non-High-Risk Proliferative Diabetic Retinopathy. JAMA Ophthalmology, 2014, 132, 535. | 2.5 | 55        |
| 63 | Effect of Doxycycline vs Placebo on Retinal Function and Diabetic Retinopathy Progression in Mild to Moderate Nonproliferative Diabetic Retinopathy. JAMA Ophthalmology, 2014, 132, 1137.                                   | 2.5 | 27        |
| 64 | Differential reduction in corneal nerve fiber length in patients with type 1 or type 2 diabetes mellitus. Journal of Diabetes and Its Complications, 2014, 28, 658-661.   | 2.3 | 47        |
| 65 | mTORC1-Independent Reduction of Retinal Protein Synthesis in Type 1 Diabetes. Diabetes, 2014, 63, 3077-3090.  | 0.6 | 24        |
| 66 | Predicting Development of Proliferative Diabetic Retinopathy. Diabetes Care, 2013, 36, 1562-1568.   | 8.6 | 86        |
| 67 | Nanoliposomal minocycline for ocular drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 130-140.  | 3.3 | 49        |
| 68 | Current and future management of diabetic retinopathy: a personalized evidence-based approach. Diabetes Management, 2013, 3, 481-494.   | 0.5 | 10        |
| 69 | Impaired retinal vasodilator responses in prediabetes and type 2 diabetes. Acta Ophthalmologica, 2013, 91, e462-e469.   | 1.1 | 50        |
| 70 | Quantification of Fundus Autofluorescence to Detect Disease Severity in Nonexudative Age-Related Macular Degeneration. JAMA Ophthalmology, 2013, 131, 1009.   | 2.5 | 9         |
| 71 | Neurodegeneration in the Pathogenesis of Diabetic Retinopathy: Molecular Mechanisms and Therapeutic Implications. Current Medicinal Chemistry, 2013, 20, 3241-3250.   | 2.4 | 154       |
| 72 | Diabetes and Nonrefractive Visual Impairment. JAMA - Journal of the American Medical Association, 2012, 308, 2403.  | 7.4 | 0         |

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|----|---|------|-----------|
| 73 | Inner retinal visual dysfunction is a sensitive marker of non-proliferative diabetic retinopathy. British Journal of Ophthalmology, 2012, 96, 699-703.                                    | 3.9  | 101       |
| 74 | Diabetic Retinopathy. New England Journal of Medicine, 2012, 366, 1227-1239.  | 27.0 | 1,363     |
| 75 | Comparison of retinal vasodilator and constrictor responses in type 2 diabetes. Acta Ophthalmologica, 2012, 90, e434-41.  | 1.1  | 48        |
| 76 | Diabetes Diminishes Phosphatidic Acid in the Retina: A Putative Mediator for Reduced mTOR Signaling and Increased Neuronal Cell Death. , 2012, 53, 7257.                                  |      | 12        |
| 77 | Diabetic macular edema. , 2012, , 536-540.  |      | 0         |
| 78 | The Significance of Vascular and Neural Apoptosis to the Pathology of Diabetic Retinopathy. , 2011, 52, 1156.   |      | 361       |
| 79 | THE RESTORE STUDY. Evidence-Based Ophthalmology, 2011, 12, 206-207.   | 0.0  | 6         |
| 80 | An Integrated Approach to Diabetic Retinopathy Research. JAMA Ophthalmology, 2011, 129, 230.  | 2.4  | 83        |
| 81 | Insulin signaling in retinal neurons is regulated within cholesterol-enriched membrane microdomains. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E600-E609. | 3.5  | 8         |
| 82 | Hydrogels for Ocular Posterior Segment Drug Delivery. AAPS Advances in the Pharmaceutical Sciences Series, 2011, , 291-304.   | 0.6  | 3         |
| 83 | Differential Roles of Hyperglycemia and Hypoinsulinemia in Diabetes Induced Retinal Cell Death: Evidence for Retinal Insulin Resistance. PLoS ONE, 2011, 6, e26498.                       | 2.5  | 62        |
| 84 | Ophthalmology Patient Knowledge of Personal and Recommended ABCs of Diabetes Care. JAMA Ophthalmology, 2010, 128, 1495.   | 2.4  | 3         |
| 85 | Ablation of 4E-BP1/2 Prevents Hyperglycemia-Mediated Induction of VEGF Expression in the Rodent Retina and in Müller Cells in Culture. Diabetes, 2010, 59, 2107-2116.                     | 0.6  | 41        |
| 86 | Diabetic retinopathy and diabetic macular edema. , 2010, , 133-136.   |      | 1         |
| 87 | Insulin Signaling in Normal and Diabetic Conditions. , 2010, , 101-118.   |      | 1         |
| 88 | The Retinal Proteome in Experimental Diabetic Retinopathy. Molecular and Cellular Proteomics, 2009, 8, 767-779.   | 3.8  | 79        |
| 89 | Diabetes and Obesity. JAMA Ophthalmology, 2009, 127, 328.   | 2.4  | 14        |
| 90 | Neuroprotection for Diabetic Retinopathy. Developments in Ophthalmology, 2009, 44, 56-68.   | 0.1  | 31        |

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|-----|---|------|-----------|
| 91  | Subconjunctivally implantable hydrogels with degradable and thermoresponsive properties for sustained release of insulin to the retina. <i>Biomaterials</i> , 2009, 30, 6541-6547.  | 11.4 | 86        |
| 92  | Phosphorylation Site Mapping of Endogenous Proteins: A Combined MS and Bioinformatics Approach. <i>Journal of Proteome Research</i> , 2009, 8, 798-807.   | 3.7  | 10        |
| 93  | Diabetic macular oedema and visual loss: relationship to location, severity and duration. <i>Acta Ophthalmologica</i> , 2009, 87, 709-713.  | 1.1  | 36        |
| 94  | Novel potential mechanisms for diabetic macular edema: Leveraging new investigational approaches. <i>Current Diabetes Reports</i> , 2008, 8, 263-269.   | 4.2  | 37        |
| 95  | Whole genome assessment of the retinal response to diabetes reveals a progressive neurovascular inflammatory response. <i>BMC Medical Genomics</i> , 2008, 1, 26.   | 1.5  | 98        |
| 96  | PDGF- and Insulin/IGF-1 Specific Distinct Modes of Class IAPI 3-Kinase Activation in Normal Rat Retinas and RGC-5 Retinal Ganglion Cells. , 2008, 49, 3687.   |      | 26        |
| 97  | Effect of IL-1 $\beta$ on Survival and Energy Metabolism of R28 and RGC-5 Retinal Neurons. , 2008, 49, 5581.  |      | 35        |
| 98  | Neuroglial Dysfunction in Diabetic Retinopathy. , 2008, , 283-301.  |      | 1         |
| 99  | Nonobese, insulin-deficient Ins2 <sup>Akita</sup> mice develop type 2 diabetes phenotypes including insulin resistance and cardiac remodeling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1687-E1696. | 3.5  | 64        |
| 100 | A prize catch for diabetic retinopathy. <i>Nature Medicine</i> , 2007, 13, 131-132.   | 30.7 | 22        |
| 101 | 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, 535-547.                                     | 1.5  | 24        |
| 102 | Ruboxistaurin for Diabetic Retinopathy. <i>Ophthalmology</i> , 2006, 113, 2135-2136.  | 5.2  | 10        |
| 103 | VEGF Activation of Protein Kinase C Stimulates Occludin Phosphorylation and Contributes to Endothelial Permeability. , 2006, 47, 5106.  |      | 215       |
| 104 | Analysis of glucose metabolism in diabetic rat retinas. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E1057-E1067.  | 3.5  | 84        |
| 105 | Diabetes Alters Sphingolipid Metabolism in the Retina: A Potential Mechanism of Cell Death in Diabetic Retinopathy. <i>Diabetes</i> , 2006, 55, 3573-3580.  | 0.6  | 90        |
| 106 | Diabetes Reduces Basal Retinal Insulin Receptor Signaling: Reversal With Systemic and Local Insulin. <i>Diabetes</i> , 2006, 55, 1148-1156.   | 0.6  | 164       |
| 107 | Diabetic Retinopathy. <i>Diabetes</i> , 2006, 55, 2401-2411.  | 0.6  | 673       |
| 108 | Dynamic Intraocular Pressure Measurements During Vitrectomy. <i>JAMA Ophthalmology</i> , 2005, 123, 1514.   | 2.4  | 31        |

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|-----|---|------|-----------|
| 109 | Retinal angiogenesis in development and disease. Nature, 2005, 438, 960-966.  | 27.8 | 613       |
| 110 | The Ins2 <sup>Akita</sup> Mouse as a Model of Early Retinal Complications in Diabetes. , 2005, 46, 2210.  |      | 442       |
| 111 | Minocycline Reduces Proinflammatory Cytokine Expression, Microglial Activation, and Caspase-3 Activation in a Rodent Model of Diabetic Retinopathy. Diabetes, 2005, 54, 1559-1565.                          | 0.6  | 485       |
| 112 | Insulin Promotes Rat Retinal Neuronal Cell Survival in a p70S6K-dependent Manner. Journal of Biological Chemistry, 2004, 279, 9167-9175.  | 3.4  | 74        |
| 113 | Retinopathy in Diabetes. Diabetes Care, 2004, 27, s84-s87.  | 8.6  | 853       |
| 114 | VEGF increases paracellular transport without altering the solvent-drag reflection coefficient. Microvascular Research, 2004, 68, 295-302.  | 2.5  | 17        |
| 115 | Optical combing to align photoreceptors in detached retinas. , 2004, , .  |      | 0         |
| 116 | A transmural pressure gradient induces mechanical and biological adaptive responses in endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H731-H741.          | 3.2  | 48        |
| 117 | Functions of insulin and insulin receptor signaling in retina: possible implications for diabetic retinopathy. Progress in Retinal and Eye Research, 2003, 22, 545-562.                                     | 15.5 | 94        |
| 118 | Diabetic Retinopathy. Diabetes Care, 2003, 26, 226-229.   | 8.6  | 255       |
| 119 | Characterization of insulin signaling in rat retina in vivo and ex vivo. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E763-E774.   | 3.5  | 101       |
| 120 | Light Scatter Causes the Grayness of Detached Retinas. JAMA Ophthalmology, 2003, 121, 1002.   | 2.4  | 10        |
| 121 | An eye on insulin. Journal of Clinical Investigation, 2003, 111, 1817-1819.   | 8.2  | 21        |
| 122 | Optic disk drusen, peripapillary choroidal neovascularization, and POEMS syndrome. American Journal of Ophthalmology, 2002, 133, 275-276.   | 3.3  | 22        |
| 123 | Diabetic Retinopathy. Survey of Ophthalmology, 2002, 47, S253-S262.   | 4.0  | 499       |
| 124 | Shear stress regulates occludin content and phosphorylation. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H105-H113.   | 3.2  | 106       |
| 125 | Excessive Hexosamines Block the Neuroprotective Effect of Insulin and Induce Apoptosis in Retinal Neurons. Journal of Biological Chemistry, 2001, 276, 43748-43755.   | 3.4  | 162       |
| 126 | Insulin Rescues Retinal Neurons from Apoptosis by a Phosphatidylinositol 3-Kinase/Akt-mediated Mechanism That Reduces the Activation of Caspase-3. Journal of Biological Chemistry, 2001, 276, 32814-32821. | 3.4  | 279       |



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|-----|--|-----|-----------|
| 127 | Retinal neurodegeneration: early pathology in diabetes. Clinical and Experimental Ophthalmology, 2000, 28, 3-8.  | 2.6 | 313       |
| 128 | Effect of Vascular Endothelial Growth Factor on Cultured Endothelial Cell Monolayer Transport Properties. Microvascular Research, 2000, 59, 265-277.                                 | 2.5 | 118       |
| 129 | Review Paper: New Insights into the Pathophysiology of Diabetic Retinopathy: Potential Cell-Specific Therapeutic Targets. Diabetes Technology and Therapeutics, 2000, 2, 601-608.    | 4.4 | 62        |
| 130 | Effect of shear stress on the hydraulic conductivity of cultured bovine retinal microvascular endothelial cell monolayers. Current Eye Research, 2000, 21, 944-951.                  | 1.5 | 36        |
| 131 | The molecular structure and function of the inner blood-retinal barrier. , 2000, , 25-33.  |     | 0         |
| 132 | Vascular Endothelial Growth Factor Induces Rapid Phosphorylation of Tight Junction Proteins Occludin and Zonula Occluden 1. Journal of Biological Chemistry, 1999, 274, 23463-23467. | 3.4 | 575       |
| 133 | Molecular Mechanisms of Vascular Permeability in Diabetic Retinopathy. Seminars in Ophthalmology, 1999, 14, 240-248.   | 1.6 | 202       |
| 134 | The molecular structure and function of the inner blood-retinal barrier. Penn State Retina Research Group. Documenta Ophthalmologica, 1999, 97, 229-237.                             | 2.2 | 64        |
| 135 | DIABETIC RETINOPATHY. Medical Clinics of North America, 1998, 82, 847-876.   | 2.5 | 31        |
| 136 | A new hypothesis on mechanisms of retinal vascular permeability in diabetes. , 1998, , 169-179.  |     | 2         |
| 137 | Physiological transport properties of cultured retinal microvascular endothelial cell monolayers. Current Eye Research, 1997, 16, 761-768.   | 1.5 | 24        |
| 138 | Histamine reduces ZO-1 tight-junction protein expression in cultured retinal microvascular endothelial cells. Biochemical Journal, 1996, 320, 717-721.                               | 3.7 | 87        |
| 139 | Ocular findings in HIV-infected haemophiliacs. Haemophilia, 1996, 2, 63-64.  | 2.1 | 7         |
| 140 | ANTI-HISTAMINES REDUCE BLOOD-RETINAL BARRIER PERMEABILITY IN TYPE I (INSULIN-DEPENDENT) DIABETIC PATIENTS WITH NONPROLIFERATIVE RETINOPATHY. Retina, 1995, 15, 134-140.              | 1.7 | 34        |
| 141 | The retinal depression sign in diabetic retinopathy. Graefes Archive for Clinical and Experimental Ophthalmology, 1995, 233, 617-620.  | 1.9 | 2         |
| 142 | A method for real-time intraocular pressure monitoring during scleral buckling surgery. Graefes Archive for Clinical and Experimental Ophthalmology, 1993, 231, 671-673.             | 1.9 | 0         |
| 143 | Intraocular Pressure Fluctuations during Scleral Buckling Surgery. Ophthalmology, 1993, 100, 1050-1054.  | 5.2 | 26        |
| 144 | A Survey of Intraocular Silicone Oil Use in the United States. Ophthalmology, 1992, 99, 1174-1176.   | 5.2 | 7         |

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|-----|--|-----|-----------|
| 145 | Astemizole reduces blood-retinal barrier leakage in experimental diabetes. Journal of Diabetes and Its Complications, 1992, 6, 230-235.  | 2.3 | 9         |
| 146 | Reduction of severe macular edema in eyes with poor vision after panretinal photocoagulation for proliferative diabetic retinopathy. Graefe's Archive for Clinical and Experimental Ophthalmology, 1991, 229, 323-328. | 1.9 | 19        |
| 147 | Complications of Retinal Laser Therapy and Their Prevention. Seminars in Ophthalmology, 1991, 6, 19-26.  | 1.6 | 6         |
| 148 | Mucinous Adenocarcinoma of the Eyelid. JAMA Ophthalmology, 1984, 102, 912.   | 2.4 | 21        |
| 149 | Photoc Maculopathy Secondary to Short-circuiting of a High-tension Electric Current. Ophthalmology, 1982, 89, 865-868.   | 5.2 | 16        |