# Michael E Widlansky

List of Publications by Year
in descending order



| 68 | 6,543 | 159585 30 | 133252 59 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 73 | 73 | 73 | 10408 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The clinical implications of endothelial dysfunction. Journal of the American College of Cardiology, 2003, 42, 1149-1160. | 2.8 | 1,444 |
| 2 | Assessment of flow-mediated dilation in humans: a methodological and physiological guideline. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H2-H12. | 3.2 | 1,126 |
| 3 | Altered Mitochondrial Dynamics Contributes to Endothelial Dysfunction in Diabetes Mellitus. Circulation, 2011, 124, 444-453. | 1.6 | 437 |
| 4 | Physical Inactivity Rapidly Induces Insulin Resistance and Microvascular Dysfunction in Healthy Volunteers. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2650-2656. | 2.4 | 372 |
| 5 | Vascular Endothelial Function and Hypertension: Insights and Directions. Current Hypertension Reports, 2010, 12, 448-455. | 3.5 | 332 |
| 6 | Routine Assessment and Promotion of Physical Activity in Healthcare Settings: A Scientific Statement From the American Heart Association. Circulation, 2018, 137, e495-e522. | 1.6 | 237 |
| 7 | Acute EGCG Supplementation Reverses Endothelial Dysfunction in Patients with Coronary Artery Disease. Journal of the American College of Nutrition, 2007, 26, 95-102. | 1.8 | 187 |
| 8 | Regulation of Endothelial Function by Mitochondrial Reactive Oxygen Species. Antioxidants and Redox Signaling, 2011, 15, 1517-1530. | 5.4 | 161 |
| 9 | Short- and Long-Term COX-2 Inhibition Reverses Endothelial Dysfunction in Patients With Hypertension. Hypertension, 2003, 42, 310-315. | 2.7 | 152 |
| 10 | Relations of Exercise Blood Pressure Response to Cardiovascular Risk Factors and Vascular Function in the Framingham Heart Study. Circulation, 2012, 125, 2836-2843. | 1.6 | 148 |
| 11 | Effects of black tea consumption on plasma catechins and markers of oxidative stress and inflammation in patients with coronary artery disease. Free Radical Biology and Medicine, 2005, 38, 499-506. | 2.9 | 143 |
| 12 | Natural Antioxidants and Hypertension: Promise and Challenges. Cardiovascular Therapeutics, 2010, 28, e20-32. | 2.5 | 137 |
| 13 | Altered mitochondrial membrane potential, mass, and morphology in the mononuclear cells of humans with type 2 diabetes. Translational Research, 2010, 156, 15-25. | 5.0 | 136 |
| 14 | Lactobacillus plantarum 299v Supplementation Improves Vascular Endothelial Function and Reduces Inflammatory Biomarkers in Men With Stable Coronary Artery Disease. Circulation Research, 2018, 123, 1091-1102. | 4.5 | 127 |
| 15 | Acute Exposure to Low Glucose Rapidly Induces Endothelial Dysfunction and Mitochondrial Oxidative Stress. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 712-720. | 2.4 | 112 |
| 16 | Adverse Alterations in Mitochondrial Function Contribute to Type 2 Diabetes Mellitusâ€“Related Endothelial Dysfunction in Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2531-2539. | 2.4 | 90 |
| 17 | Impaired Endothelial Function in Preadolescent Children With Type 1 Diabetes. Diabetes Care, 2011, 34, 681-685. | 8.6 | 83 |
| 18 | Mitochondrial DNA damage and vascular function in patients with diabetes mellitus and atherosclerotic cardiovascular disease. Cardiovascular Diabetology, 2016, 15, 53. | 6.8 | 82 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effect of Combined Treatment With Î±â€Lipoic Acid and Acetylâ€Lâ€Carnitine on Vascular Function and Blood Pressure in Patients With Coronary Artery Disease. Journal of Clinical Hypertension, 2007, 9, 249-255. | 2.0 | 81 |
| 20 | Arteriolar Function in Visceral Adipose Tissue Is Impaired in Human Obesity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 467-473. | 2.4 | 79 |
| 21 | miRâ€29 contributes to normal endothelial function and can restore it in cardiometabolic disorders. EMBO Molecular Medicine, 2018, 10, . | 6.9 | 72 |
| 22 | Relation of Season and Temperature to Endothelium-Dependent Flow-Mediated Vasodilation in Subjects Without Clinical Evidence of Cardiovascular Disease (from the Framingham Heart) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Tc Journal of Cardiology, 2007, 100, 518-523. | 1.6 | 71 |
| 23 | Methods for imaging mammalian mitochondrial morphology: AÂprospective on MitoGraph. Analytical Biochemistry, 2018, 552, 81-99. | 2.4 | 60 |
| 24 | Mitochondrial Fission Protein 1: Emerging Roles in Organellar Form and Function in Health and Disease. Frontiers in Endocrinology, 2021, 12, 660095. | 3.5 | 59 |
| 25 | Relative Importance of Step Count, Intensity, and Duration on Physical Activity's Impact on Vascular Structure and Function in Previously Sedentary Older Adults. Journal of the American Heart Association, 2014, 3, e000702. | 3.7 | 58 |
| 26 | Body Mass Index and Total and Cardiovascular Mortality in Men With a History of Cardiovascular Disease. Archives of Internal Medicine, 2004, 164, 2326. | 3.8 | 51 |
| 27 | Measuring FMD in the brachial artery: how important is QRS gating?. Journal of Applied Physiology, 2010, 109, 959-965. | 2.5 | 46 |
| 28 | Nitric Oxide Synthase-Dependent Vasodilation of Human Subcutaneous Arterioles Correlates With Noninvasive Measurements of Endothelial Function. American Journal of Hypertension, 2012, 25, 528-534. | 2.0 | 37 |
| 29 | Moderate obesity and endothelial dysfunction in humans: influence of gender and systemic inflammation. Physiological Reports, 2013, 1, . | 1.7 | 37 |
| 30 | Mitochondrial regulation of diabetic vascular disease: an emerging opportunity. Translational Research, 2018, 202, 83-98. | 5.0 | 35 |
| 31 | Impact of DPP-4 inhibition on acute and chronic endothelial function in humans with type 2 diabetes on background metformin therapy. Vascular Medicine, 2017, 22, 189-196. | 1.5 | 26 |
| 32 | Dynamin-related protein 1 mediates low glucose-induced endothelial dysfunction in human arterioles. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H515-H527. | 3.2 | 25 |
| 33 | Effect of sulfasalazine on inflammation and endothelial function in patients with established coronary artery disease. Vascular Medicine, 2012, 17, 101-107. | 1.5 | 24 |
| 34 | Contrast-Enhanced Ultrasound Detects Differences in Microvascular Blood Flow in Adults with Sickle Cell Disease Administered Regadenoson. Blood, 2014, 124, 2705-2705. | 1.4 | 23 |
| 35 | Human endothelial dihydrofolate reductase low activity limits vascular tetrahydrobiopterin recycling. Free Radical Biology and Medicine, 2013, 63, 143-150. | 2.9 | 21 |
| 36 | Parstatin: a cryptic peptide involved in cardioprotection after ischaemia and reperfusion injury. Cardiovascular Research, 2009, 83, 325-334. | 3.8 | 19 |

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|---|---|---|---|
| 37 | Lifestyle Choices and Endothelial Function: Risk and Relevance. Current Vascular Pharmacology, 2009, 7, 209-224. | 1.7 | 16 |
| 38 | The danger of sedenterism: endothelium at risk. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H243-H244. | 3.2 | 15 |
| 39 | Associations of Reducing Sedentary Time With Vascular Function and Insulin Sensitivity in Older Sedentary Adults. American Journal of Hypertension, 2016, 29, 46-53. | 2.0 | 15 |
| 40 | Redox Stress Defines the Small Artery Vasculopathy of Hypertension. Circulation Research, 2017, 120, 1721-1723. | 4.5 | 14 |
| 41 | Folic Acid Supplementation Improves Vascular Function in Professional Dancers With Endothelial Dysfunction. PM and R, 2011, 3, 1005-1012. | 1.6 | 11 |
| 42 | Mineralocorticoid exposure and receptor activity modulate microvascular endothelial function in African Americans with and without hypertension. Vascular Medicine, 2015, 20, 401-408. | 1.5 | 11 |
| 43 | Pacemaker Quantified Physical Activity Predicts All-Cause Mortality. Journal of the American College of Cardiology, 2015, 66, 754-755. | 2.8 | 11 |
| 44 | Lactobacillus plantarum 299v probiotic supplementation in men with stable coronary artery disease suppresses systemic inflammation. Scientific Reports, 2021, 11, 3972. | 3.3 | 11 |
| 45 | The impact of standing desks on cardiometabolic and vascular health. Vascular Medicine, 2021, 26, 374-382. | 1.5 | 11 |
| 46 | Coronary endothelial dysfunction is not rapidly reversible with ascorbic acid. Free Radical Biology and Medicine, 2004, 36, 123-130. | 2.9 | 10 |
| 47 | Cardiovascular Magnetic Resonance Imaging-Based Computational Fluid Dynamics/Fluidâ€“Structure Interaction Pilot Study to Detect Early Vascular Changes in Pediatric Patients with Type 1 Diabetes. Pediatric Cardiology, 2015, 36, 851-861. | 1.3 | 10 |
| 48 | Tissue-specific effects of targeted mutation of Mir29b1 in rats. EBioMedicine, 2018, 35, 260-269. | 6.1 | 9 |
| 49 | Contrast-enhanced ultrasound detects changes in microvascular blood flow in adults with sickle cell disease. PLoS ONE, 2019, 14, e0218783. | 2.5 | 9 |
| 50 | Circulating levels of mitochondrial uncoupling protein 2, but not prohibitin, are lower in humans with type 2 diabetes and correlate with brachial artery flow-mediated dilation. Cardiovascular Diabetology, 2019, 18, 148. | 6.8 | 9 |
| 51 | Dietary Sodium Restriction Results in Tissue-Specific Changes in DNA Methylation in Humans. Hypertension, 2021, 78, 434-446. | 2.7 | 9 |
| 52 | The impact of moderate intensity physical activity on cardiac structure and performance in older sedentary adults. International Journal of Cardiology Heart & Vessels, 2014, 4, 19-24. | 0.5 | 7 |
| 53 | Effect of gender and adiposity on inÂvivo vascular function in young African Americans. Journal of the American Society of Hypertension, 2017, 11, 246-257. | 2.3 | 7 |
| 54 | Pattern Analysis of Sedentary Behavior Change after a Walking Intervention. American Journal of Health Behavior, 2018, 42, 90-101. | 1.4 | 7 |

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|---|---|---|---|
| 55 | Vascular Endothelial Function. , 2015, , 89-120. | | 5 |
| 56 | Pandemic Perspective: Commonalities Between COVID-19 and Cardio-Oncology. Frontiers in Cardiovascular Medicine, 2020, 7, 568720. | 2.4 | 5 |
| 57 | Cytoskeleton, cytoskeletal interactions, and vascular endothelial function. Cell Health and Cytoskeleton, 0, , 119. | 0.7 | 2 |
| 58 | Pacemaker detected active minutes are superior to pedometer-based step counts in measuring the response to physical activity counseling in sedentary older adults. BMC Geriatrics, 2020, 20, 162. | 2.7 | 2 |
| 59 | Abnormal hearing patterns are not associated with endothelium-dependent vasodilation and carotid intimaâ€“media thickness: The Framingham Heart Study. Vascular Medicine, 2021, 26, 1358863X2110250. | 1.5 | 2 |
| 60 | Vascular Endothelial Function. , 2014, , 1-37. | | 1 |
| 61 | Patients with hypertensive responses to exercise or dobutamine stress testing differ in resting hypertensive phenotype. Journal of the American Society of Hypertension, 2018, 12, 108-116. | 2.3 | 1 |
| 62 | Firefighting: Can our arteries take the heat?. Vascular Medicine, 2015, 20, 219-221. | 1.5 | 0 |
| 63 | Hyperglycemiaâ€induced alterations of the vascular endothelium in type 2 diabetes mellitus. FASEB Journal, 2015, 29, 802.4. | 0.5 | 0 |
| 64 | Imaging and Quantifying Mitochondrial Morphology: a Focus on the 3D Freeware MitoGraph. FASEB Journal, 2018, 32, lb185. | 0.5 | 0 |
| 65 | Development of a Molecular Probe Targeting Mitochondrial Fission Protein Fis1. FASEB Journal, 2018, 32, 530.17. | 0.5 | 0 |
| 66 | Percutaneous pericardiocentesis versus pericardial window: A retrospective subset analysis in a cancer population.. Journal of Clinical Oncology, 2019, 37, e23093-e23093. | 1.6 | 0 |
| 67 | Structural studies of human Fis1 reveals a dynamic region important for Drp1 recruitment and mitochondrial fission. FASEB Journal, 2020, 34, 1-1. | 0.5 | 0 |
| 68 | Abstract P245: Therapeutic Effects Of Mir-29b-Chitosan On Hypertension And Diabetic Complications. Hypertension, 2020, 76, . | 2.7 | 0 |