

# Michelle Anne Keske

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,169  
citations

361296

20  
h-index

414303

32  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Obesity Blunts Microvascular Recruitment in Human Forearm Muscle After a Mixed Meal. <i>Diabetes Care</i> , 2009, 32, 1672-1677.	4.3	96
2	Age-related anabolic resistance after endurance-type exercise in healthy humans. <i>FASEB Journal</i> , 2010, 24, 4117-4127.	0.2	73
3	Vascular and Metabolic Actions of the Green Tea Polyphenol Epigallocatechin Gallate. <i>Current Medicinal Chemistry</i> , 2014, 22, 59-69.	1.2	70
4	Effects of Vitamin C Supplementation on Glycemic Control and Cardiovascular Risk Factors in People With Type 2 Diabetes: A GRADE-Assessed Systematic Review and Meta-analysis of Randomized Controlled Trials. <i>Diabetes Care</i> , 2021, 44, 618-630.	4.3	66
5	Increased muscle blood supply and transendothelial nutrient and insulin transport induced by food intake and exercise: effect of obesity and ageing. <i>Journal of Physiology</i> , 2016, 594, 2207-2222.	1.3	61
6	Clinical Overview of Algal-Docosahexaenoic Acid: Effects on Triglyceride Levels and Other Cardiovascular Risk Factors. <i>American Journal of Therapeutics</i> , 2009, 16, 183-192.	0.5	55
7	Muscle microvascular blood flow responses in insulin resistance and ageing. <i>Journal of Physiology</i> , 2016, 594, 2223-2231.	1.3	50
8	Skeletal Muscle Microvascular-Linked Improvements in Glycemic Control From Resistance Training in Individuals With Type 2 Diabetes. <i>Diabetes Care</i> , 2017, 40, 1256-1263.	4.3	50
9	FADS Polymorphism, Omega-3 Fatty Acids and Diabetes Risk: A Systematic Review. <i>Nutrients</i> , 2018, 10, 758.	1.7	36
10	The Effects of Restriction Pressures on the Acute Responses to Blood Flow Restriction Exercise. <i>Frontiers in Physiology</i> , 2019, 10, 1018.	1.3	35
11	Muscle insulin resistance resulting from impaired microvascular insulin sensitivity in Sprague Dawley rats. <i>Cardiovascular Research</i> , 2013, 98, 28-36.	1.8	34
12	Brachial-to-radial SBP amplification. <i>Journal of Hypertension</i> , 2015, 33, 1876-1883.	0.3	34
13	Loss of insulin-mediated microvascular perfusion in skeletal muscle is associated with the development of insulin resistance. <i>Diabetes, Obesity and Metabolism</i> , 2010, 12, 798-805.	2.2	33
14	Local NOS inhibition impairs vascular and metabolic actions of insulin in rat hindleg muscle in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E745-E750.	1.8	33
15	Reactive oxygen species in exercise and insulin resistance: Working towards personalized antioxidant treatment. <i>Redox Biology</i> , 2021, 44, 102005.	3.9	30
16	Leg blood flow and skeletal muscle microvascular perfusion responses to submaximal exercise in peripheral arterial disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1425-H1433.	1.5	29
17	Association of Exercise Intolerance in Type 2 Diabetes With Skeletal Muscle Blood Flow Reserve. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 913-921.	2.3	28
18	A vascular mechanism for high-sodium-induced insulin resistance in rats. <i>Diabetologia</i> , 2014, 57, 2586-2595.	2.9	25

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19	A New Method for Targeted and Sustained Induction of Type 2 Diabetes in Rodents. <i>Scientific Reports</i> , 2017, 7, 14158.	1.6	25
20	Oral glucose challenge impairs skeletal muscle microvascular blood flow in healthy people. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E307-E315.	1.8	24
21	Dietary Patterns Characterized by Fat Type in Association with Obesity and Type 2 Diabetes: A Longitudinal Study of UK Biobank Participants. <i>Journal of Nutrition</i> , 2021, 151, 3570-3578.	1.3	20
22	Regulation of microvascular flow and metabolism: An overview. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 143-149.	0.9	19
23	Impairments in Adipose Tissue Microcirculation in Type 2 Diabetes Mellitus Assessed by Real-Time Contrast-Enhanced Ultrasound. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007074.	1.3	17
24	Microvascular blood flow responses to muscle contraction are not altered by high-fat feeding in rats. <i>Diabetes, Obesity and Metabolism</i> , 2012, 14, 753-761.	2.2	15
25	Exercise aortic stiffness: reproducibility and relation to end-organ damage in men. <i>Journal of Human Hypertension</i> , 2013, 27, 516-522.	1.0	15
26	Microvascular Contributions to Insulin Resistance. <i>Diabetes</i> , 2013, 62, 343-345.	0.3	13
27	Acute vascular and metabolic actions of the green tea polyphenol epigallocatechin 3-gallate in rat skeletal muscle. <i>Journal of Nutritional Biochemistry</i> , 2017, 40, 23-31.	1.9	12
28	High-glucose mixed-nutrient meal ingestion impairs skeletal muscle microvascular blood flow in healthy young men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E1014-E1021.	1.8	12
29	No effect of NOS inhibition on skeletal muscle glucose uptake during in situ hindlimb contraction in healthy and diabetic Sprague-Dawley rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R862-R871.	0.9	11
30	Effect of mitochondrial-targeted antioxidants on glycaemic control, cardiovascular health, and oxidative stress in humans: A systematic review and meta-analysis of randomized controlled trials. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 1047-1060.	2.2	11
31	Brachial-to-radial systolic blood pressure amplification in patients with type 2 diabetes mellitus. <i>Journal of Human Hypertension</i> , 2016, 30, 404-409.	1.0	10
32	Postprandial microvascular blood flow in skeletal muscle: Similarities and disparities to the hyperinsulinaemic-euglycaemic clamp. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 725-737.	0.9	10
33	CrossTalk proposal: <i>De novo</i> capillary recruitment in healthy muscle is necessary. <i>Journal of Physiology</i> , 2014, 592, 5129-5131.	1.3	9
34	Transcranial contrast-enhanced ultrasound in the rat brain reveals substantial hyperperfusion acutely post-stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 939-953.	2.4	9
35	Reduced post-exercise muscle microvascular perfusion with compression is offset by increased muscle oxygen extraction: Assessment by contrast-enhanced ultrasound. <i>FASEB Journal</i> , 2021, 35, e21499.	0.2	9
36	Prior exercise enhances skeletal muscle microvascular blood flow and mitigates microvascular flow impairments induced by a high-glucose mixed meal in healthy young men. <i>Journal of Physiology</i> , 2021, 599, 83-102.	1.3	9

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37	Oral and intravenous glucose administration elicit opposing microvascular blood flow responses in skeletal muscle of healthy people: role of incretins. <i>Journal of Physiology</i> , 2022, 600, 1667-1681.	1.3	9
38	Acute, local infusion of angiotensin II impairs microvascular and metabolic insulin sensitivity in skeletal muscle. <i>Cardiovascular Research</i> , 2019, 115, 590-601.	1.8	8
39	Whole-Body Vibration Stimulates Microvascular Blood Flow in Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 375-383.	0.2	8
40	Metabolic-vascular coupling in skeletal muscle: A potential role for capillary pericytes?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 520-528.	0.9	7
41	Skeletal muscle microvascular perfusion responses to cuff occlusion and submaximal exercise assessed by contrast-enhanced ultrasound: The effect of age. <i>Physiological Reports</i> , 2020, 8, e14580.	0.7	7
42	Impaired postprandial skeletal muscle vascular responses to a mixed meal challenge in normoglycaemic people with a parent with type 2 diabetes. <i>Diabetologia</i> , 2022, 65, 216-225.	2.9	7
43	Determination of Skeletal Muscle Microvascular Flowmotion with Contrast-Enhanced Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2013-2023.	0.7	6
44	Longitudinal Associations Between Fat-Derived Dietary Patterns and Early Markers of Cardiovascular Disease Risk in the UK Biobank Study. <i>Journal of the American Heart Association</i> , 2022, 11, .	1.6	6
45	Is vascular insulin resistance an early step in diet-induced whole-body insulin resistance?. <i>Nutrition and Diabetes</i> , 2022, 12, .	1.5	6
46	Enhancement of insulin-mediated rat muscle glucose uptake and microvascular perfusion by 5-aminoimidazole-4-carboxamide-1- $\beta$ -d-ribofuranoside. <i>Cardiovascular Diabetology</i> , 2015, 14, 91.	2.7	5
47	Perfusion controls muscle glucose uptake by altering the rate of glucose dispersion in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E311-E312.	1.8	4
48	Role of skeletal muscle perfusion and insulin resistance in the effect of dietary sodium on heart function in overweight. <i>ESC Heart Failure</i> , 2021, 8, 5304-5315.	1.4	4
49	Are the metabolic benefits of resistance training in type 2 diabetes linked to improvements in adipose tissue microvascular blood flow?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E1242-E1250.	1.8	3
50	Rebuttal from Eugene J. Barrett, Michelle A. Keske, Stephen Rattigan and Etto C. Eringa. <i>Journal of Physiology</i> , 2014, 592, 5137-5138.	1.3	1