

Bryan C Bergman

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,095
citations

136940

32
h-index

168376

53
g-index

71
all docs

71
docs citations

71
times ranked

4617
citing authors

#	ARTICLE	IF	CITATIONS
1	Active muscle and whole body lactate kinetics after endurance training in men. <i>Journal of Applied Physiology</i> , 1999, 87, 1684-1696.	2.5	222
2	Myosteatosis in the Context of Skeletal Muscle Function Deficit: An Interdisciplinary Workshop at the National Institute on Aging. <i>Frontiers in Physiology</i> , 2020, 11, 963.	2.8	190
3	Insulin Resistance, Defective Insulin-Mediated Fatty Acid Suppression, and Coronary Artery Calcification in Subjects With and Without Type 1 Diabetes. <i>Diabetes</i> , 2011, 60, 306-314.	0.6	182
4	Ad libitum Weekend Recovery Sleep Fails to Prevent Metabolic Dysregulation during a Repeating Pattern of Insufficient Sleep and Weekend Recovery Sleep. <i>Current Biology</i> , 2019, 29, 957-967.e4.	3.9	135
5	Serum sphingolipids: relationships to insulin sensitivity and changes with exercise in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E398-E408.	3.5	120
6	Intracellular localization of diacylglycerols and sphingolipids influences insulin sensitivity and mitochondrial function in human skeletal muscle. <i>JCI Insight</i> , 2018, 3, .	5.0	119
7	Muscle sphingolipids during rest and exercise: a C18:0 signature for insulin resistance in humans. <i>Diabetologia</i> , 2016, 59, 785-798.	6.3	108
8	Novel and Reversible Mechanisms of Smoking-Induced Insulin Resistance in Humans. <i>Diabetes</i> , 2012, 61, 3156-3166.	0.6	106
9	Early Life Exposure to Maternal Insulin Resistance Has Persistent Effects on Hepatic NAFLD in Juvenile Nonhuman Primates. <i>Diabetes</i> , 2014, 63, 2702-2713.	0.6	105
10	Intermuscular adipose tissue directly modulates skeletal muscle insulin sensitivity in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E866-E879.	3.5	97
11	Hypoxia induces triglycerides accumulation in prostate cancer cells and extracellular vesicles supporting growth and invasiveness following reoxygenation. <i>Oncotarget</i> , 2015, 6, 22836-22856.	1.8	85
12	Increased intramuscular lipid synthesis and low saturation relate to insulin sensitivity in endurance-trained athletes. <i>Journal of Applied Physiology</i> , 2010, 108, 1134-1141.	2.5	79
13	Features of Hepatic and Skeletal Muscle Insulin Resistance Unique to Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 1663-1672.	3.6	76
14	Delayed Skeletal Muscle Mitochondrial ADP Recovery in Youth With Type 1 Diabetes Relates to Muscle Insulin Resistance. <i>Diabetes</i> , 2015, 64, 383-392.	0.6	72
15	Effects of fasting on insulin action and glucose kinetics in lean and obese men and women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1103-E1111.	3.5	71
16	Myocardial glucose and lactate metabolism during rest and atrial pacing in humans. <i>Journal of Physiology</i> , 2009, 587, 2087-2099.	2.9	66
17	Metformin Improves Peripheral Insulin Sensitivity in Youth With Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3265-3278.	3.6	66
18	Insulin Resistance, Hyperinsulinemia, and Mitochondria Dysfunction in Nonobese Girls With Polycystic Ovarian Syndrome. <i>Journal of the Endocrine Society</i> , 2017, 1, 931-944.	0.2	61

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19	Progesterin modulates the lipid profile and sensitivity of breast cancer cells to docetaxel. <i>Molecular and Cellular Endocrinology</i> , 2012, 363, 111-121.	3.2	60
20	Adiponectin Dysregulation and Insulin Resistance in Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E642-E647.	3.6	59
21	Hepatic Steatosis is Common in Adolescents with Obesity and <scp>PCOS</scp> and Relates to <i>De Novo</i> Lipogenesis but not Insulin Resistance. <i>Obesity</i> , 2016, 24, 2399-2406.	3.0	59
22	Maternal obesity reduces oxidative capacity in fetal skeletal muscle of Japanese macaques. <i>JCI Insight</i> , 2016, 1, e86612.	5.0	58
23	Intramuscular Lipid Metabolism in the Insulin Resistance of Smoking. <i>Diabetes</i> , 2009, 58, 2220-2227.	0.6	53
24	Skeletal muscle phosphatidylcholine and phosphatidylethanolamine are related to insulin sensitivity and respond to acute exercise in humans. <i>Journal of Applied Physiology</i> , 2016, 120, 1355-1363.	2.5	52
25	Lipoprotein Subfraction Cholesterol Distribution Is Proatherogenic in Women With Type 1 Diabetes and Insulin Resistance. <i>Diabetes</i> , 2010, 59, 1771-1779.	0.6	49
26	Intramuscular triglyceride synthesis: importance in muscle lipid partitioning in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E152-E164.	3.5	45
27	Development and Validation of a Method to Estimate Insulin Sensitivity in Patients With and Without Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 686-695.	3.6	44
28	The effects of short-term overfeeding on insulin action in lean and reduced-obese individuals. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 1207-1214.	3.4	40
29	Altered Intramuscular Lipid Metabolism Relates to Diminished Insulin Action in Men, but Not Women, in Progression to Diabetes. <i>Obesity</i> , 2010, 18, 2093-2100.	3.0	39
30	Exercise and Muscle Lipid Content, Composition, and Localization: Influence on Muscle Insulin Sensitivity. <i>Diabetes</i> , 2020, 69, 848-858.	0.6	39
31	The Importance of Palmitoleic Acid to Adipocyte Insulin Resistance and Whole-Body Insulin Sensitivity in Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E40-E50.	3.6	38
32	Youth With Type 1 Diabetes Have Adipose, Hepatic, and Peripheral Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3647-3657.	3.6	38
33	Impaired fasting glucose with or without impaired glucose tolerance: progressive or parallel states of prediabetes?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E428-E435.	3.5	34
34	Inflexibility in Intramuscular Triglyceride Fractional Synthesis Distinguishes Prediabetes From Obesity in Humans. <i>Obesity</i> , 2010, 18, 1524-1531.	3.0	29
35	Bisphenol A Impairs Hepatic Glucose Sensing in C57BL/6 Male Mice. <i>PLoS ONE</i> , 2013, 8, e69991.	2.5	26
36	Oral Glucose Tolerance Test Glucose Peak Time Is Most Predictive of Prediabetes and Hepatic Steatosis in Obese Girls. <i>Journal of the Endocrine Society</i> , 2018, 2, 547-562.	0.2	21

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37	Incretin action maintains insulin secretion, but not hepatic insulin action, in people with impaired fasting glucose. <i>Diabetes Research and Clinical Practice</i> , 2010, 90, 87-94.	2.8	19
38	Sex-specific differences in insulin resistance in type 1 diabetes: The CACTI cohort. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 418-423.	2.3	19
39	Gender differences in insulin action after a single bout of exercise. <i>Journal of Applied Physiology</i> , 2004, 97, 1013-1021.	2.5	18
40	Dietary Fatty Acids Differentially Associate with Fasting Versus 2-Hour Glucose Homeostasis: Implications for The Management of Subtypes of Prediabetes. <i>PLoS ONE</i> , 2016, 11, e0150148.	2.5	18
41	Does Insulin Resistance Drive the Association between Hyperglycemia and Cardiovascular Risk?. <i>PLoS ONE</i> , 2012, 7, e39260.	2.5	17
42	Amino acid and fatty acid metabolomic profile during fasting and hyperinsulinemia in girls with polycystic ovarian syndrome. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E707-E718.	3.5	17
43	Youth with type 2 diabetes have hepatic, peripheral, and adipose insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E186-E195.	3.5	16
44	The Metabolic Significance of Intermuscular Adipose Tissue: Is IMAT a Friend or a Foe to Metabolic Health?. <i>Diabetes</i> , 2021, 70, 2457-2467.	0.6	15
45	Skeletal muscle munc18c and syntaxin 4 in human obesity. <i>Nutrition and Metabolism</i> , 2008, 5, 21.	3.0	14
46	Myocardial FFA metabolism during rest and atrial pacing in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E358-E366.	3.5	14
47	Fenofibrate administration does not affect muscle triglyceride concentration or insulin sensitivity in humans. <i>Metabolism: Clinical and Experimental</i> , 2011, 60, 1107-1114.	3.4	14
48	Hepatic Glucose Sensing Is Impaired, but Can Be Normalized, in People With Impaired Fasting Glucose. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E1154-E1162.	3.6	14
49	Biomarkers of Ectopic Fat Deposition: The Next Frontier in Serum Lipidomics. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 176-182.	3.6	14
50	Deficiency of Lipoprotein Lipase in Neurons Decreases AMPA Receptor Phosphorylation and Leads to Neurobehavioral Abnormalities in Mice. <i>PLoS ONE</i> , 2015, 10, e0135113.	2.5	13
51	Subcellular localisation and composition of intramuscular triacylglycerol influence insulin sensitivity in humans. <i>Diabetologia</i> , 2021, 64, 168-180.	6.3	13
52	Keeping It Local in Metabolic Disease: Adipose Tissue Paracrine Signaling and Insulin Resistance. <i>Diabetes</i> , 2022, 71, 599-609.	0.6	12
53	Insulin-stimulated Rac1-GTP binding is not impaired by palmitate treatment in L6 myotubes. <i>Physiological Reports</i> , 2018, 6, e13956.	1.7	11
54	HPLC-MS/MS Methods for Diacylglycerol and Sphingolipid Molecular Species in Skeletal Muscle. <i>Methods in Molecular Biology</i> , 2019, 1978, 137-152.	0.9	11

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55	Modeling changes in glucose and glycerol rates of appearance when true basal rates of appearance cannot be readily determined. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E323-E331.	3.5	10
56	Impaired contractile recovery after low-flow myocardial ischemia in a porcine model of metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H861-H873.	3.2	9
57	Nonalcoholic fatty liver disease in obese adolescent females is associated with multi-tissue insulin resistance and visceral adiposity markers. <i>Metabolism Open</i> , 2019, 2, 100011.	2.9	9
58	Sex Differences in Insulin Sensitivity are Related to Muscle Tissue Acylcarnitine But Not Subcellular Lipid Distribution. <i>Obesity</i> , 2021, 29, 550-561.	3.0	9
59	Targeting Fat Oxidation in Mouse Prostate Cancer Decreases Tumor Growth and Stimulates Anti-Cancer Immunity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9660.	4.1	8
60	Adiponectin-SOGA Dissociation in Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E1065-E1073.	3.6	7
61	Effects of ad libitum food intake, insufficient sleep and weekend recovery sleep on energy balance. <i>Sleep</i> , 2021, 44, .	1.1	7
62	Bone turnover marker responses to sleep restriction and weekend recovery sleep. <i>Bone</i> , 2021, 152, 116096.	2.9	7
63	Knee Extensor Torque and Perceived Discomfort During Symmetrical Biphasic Electromyostimulation. <i>Journal of Strength and Conditioning Research</i> , 2001, 15, 1.	2.1	7
64	Fasting decreases free fatty acid turnover in mice overexpressing skeletal muscle lipoprotein lipase. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 1481-1487.	3.4	5
65	Muscle Insulin Resistance in Youth with Obesity and Normoglycemia is Associated with Altered Fat Metabolism. <i>Obesity</i> , 2019, 27, 2046-2054.	3.0	3
66	Infant Mesenchymal Stem Cell Insulin Action Is Associated With Maternal Plasma Free Fatty Acids, Independent of Obesity Status: The Healthy Start Study. <i>Diabetes</i> , 2022, 71, 1649-1659.	0.6	2
67	Knee Extensor Torque and Perceived Discomfort During Symmetrical Biphasic Electromyostimulation. <i>Journal of Strength and Conditioning Research</i> , 2001, 15, 1-5.	2.1	0
68	4126 Intermuscular adipose tissue secretes pro-inflammatory, extracellular matrix, and lipid signals related to insulin resistance and type 2 diabetes. <i>Journal of Clinical and Translational Science</i> , 2020, 4, 9-9.	0.6	0
69	Fasting plasma metabolomic profiles are altered by three days of standardized diet and restricted physical activity. <i>Metabolism Open</i> , 2021, 9, 100085.	2.9	0
70	Thermogenesis. , 2001, , .		0
71	Utilization of Mid-Thigh Magnetic Resonance Imaging to Predict Lean Body Mass and Knee Extensor Strength in Obese Adults. <i>Frontiers in Rehabilitation Sciences</i> , 2022, 3, .	1.2	0