

Elza Muscelli

List of Publications by Year in descending order

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67
papers

4,903
citations

117625
34
h-index

102487
66
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67
all docs

67
docs citations

67
times ranked

5952
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic response to sodium-glucose cotransporter 2 inhibition in type 2 diabetic patients. Journal of Clinical Investigation, 2014, 124, 499-508.	8.2	907
2	Shift to Fatty Substrate Utilization in Response to Sodium-Glucose Cotransporter 2 Inhibition in Subjects Without Diabetes and Patients With Type 2 Diabetes. Diabetes, 2016, 65, 1190-1195.	0.6	498
3	Separate Impact of Obesity and Glucose Tolerance on the Incretin Effect in Normal Subjects and Type 2 Diabetic Patients. Diabetes, 2008, 57, 1340-1348.	0.6	353
4	Effect of insulin on renal sodium and uric acid handling in essential hypertension. American Journal of Hypertension, 1996, 9, 746-752.	2.0	248
5	Hyperinsulinemia and Autonomic Nervous System Dysfunction in Obesity. Circulation, 2001, 103, 513-519.	1.6	209
6	Early and longer term effects of gastric bypass surgery on tissue-specific insulin sensitivity and beta cell function in morbidly obese patients with and without type 2 diabetes. Diabetologia, 2011, 54, 2093-2102.	6.3	183
7	Renal Handling of Ketones in Response to Sodium-Glucose Cotransporter 2 Inhibition in Patients With Type 2 Diabetes. Diabetes Care, 2017, 40, 771-776.	8.6	127
8	Differential effect of weight loss on insulin resistance in surgically treated obese patients. American Journal of Medicine, 2005, 118, 51-57.	1.5	123
9	Direct effect of GLP-1 infusion on endogenous glucose production in humans. Diabetologia, 2013, 56, 156-161.	6.3	117
10	Beta-Cell Function in Obesity: Effects of Weight Loss. Diabetes, 2004, 53, S26-S33.	0.6	114
11	Early Hypertension Is Associated With Reduced Regional Cardiac Function, Insulin Resistance, Epicardial, and Visceral Fat. Hypertension, 2008, 51, 282-288.	2.7	107
12	Autonomic and Hemodynamic Responses to Insulin in Lean and Obese Humans. Journal of Clinical Endocrinology and Metabolism, 1998, 83, 2084-2090.	3.6	105
13	Long-Term Effects of Bariatric Surgery on Meal Disposal and β -Cell Function in Diabetic and Nondiabetic Patients. Diabetes, 2013, 62, 3709-3717.	0.6	98
14	Mechanisms for the Antihyperglycemic Effect of Sitagliptin in Patients with Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2818-2826.	3.6	91
15	Autonomic and Hemodynamic Responses to Insulin in Lean and Obese Humans. Journal of Clinical Endocrinology and Metabolism, 1998, 83, 2084-2090.	3.6	90
16	Association of fasting glucagon and proinsulin concentrations with insulin resistance. Diabetologia, 2007, 50, 2342-2347.	6.3	78
17	Impact of incretin hormones on β -cell function in subjects with normal or impaired glucose tolerance. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1144-E1150.	3.5	76
18	Improved tolerance to sequential glucose loading (Staub-Traugott effect): size and mechanisms. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E532-E537.	3.5	74

#	ARTICLE	IF	CITATIONS
19	Natural history and physiological determinants of changes in glucose tolerance in a non-diabetic population: the RISC Study. <i>Diabetologia</i> , 2011, 54, 1507-1516.	6.3	73
20	Insulin Resistance in Microalbuminuric Hypertension. <i>Hypertension</i> , 1995, 26, 789-795.	2.7	72
21	Insulin Resistance and Hyperinsulinemia. <i>Circulation</i> , 2000, 102, 2233-2238.	1.6	67
22	Effect of Insulin on Systemic and Renal Handling of Albumin in Nondiabetic and NIDDM Subjects. <i>Diabetes</i> , 1997, 46, 868-875.	0.6	62
23	Retinol-Binding Protein-4 in Women With Untreated Essential Hypertension. <i>American Journal of Hypertension</i> , 2009, 22, 1001-1006.	2.0	61
24	Biliopancreatic Diversion in Nonobese Patients With Type 2 Diabetes: Impact and Mechanisms. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 2765-2773.	3.6	57
25	GLP-1 and Adiponectin: Effect of Weight Loss After Dietary Restriction and Gastric Bypass in Morbidly Obese Patients with Normal and Abnormal Glucose Metabolism. <i>Obesity Surgery</i> , 2009, 19, 313-320.	2.1	53
26	Metabolic and Cardiovascular Assessment in Moderate Obesity: Effect of Weight Loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 2937-2943.	3.6	51
27	Improvement in Insulin Sensitivity and β -Cell Function Following Ileal Interposition with Sleeve Gastrectomy in Type 2 Diabetic Patients: Potential Mechanisms. <i>Journal of Gastrointestinal Surgery</i> , 2011, 15, 1344-1353.	1.7	50
28	Acute insulin administration does not affect plasma leptin levels in lean or obese subjects. <i>European Journal of Clinical Investigation</i> , 1996, 26, 940-943.	3.4	48
29	Altered pattern of the incretin effect as assessed by modelling in individuals with glucose tolerance ranging from normal to diabetic. <i>Diabetologia</i> , 2014, 57, 1199-1203.	6.3	46
30	Adiponectin and Left Ventricular Structure and Function in Healthy Adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 2811-2818.	3.6	44
31	The Effect of Menopause on Carotid Artery Remodeling, Insulin Sensitivity, and Plasma Adiponectin in Healthy Women. <i>American Journal of Hypertension</i> , 2009, 22, 364-370.	2.0	44
32	Influence of duration of obesity on the insulin resistance of obese non-diabetic patients. <i>International Journal of Obesity</i> , 1998, 22, 262-267.	3.4	39
33	Insulin Resistance in Nondiabetic Morbidly Obese Patients: Effect of Bariatric Surgery. <i>Obesity</i> , 2003, 11, 1495-1501.	4.0	36
34	Metabolic normality in overweight and obese subjects. Which parameters? Which risks?. <i>International Journal of Obesity</i> , 2011, 35, 1208-1215.	3.4	35
35	Mechanisms of Sodium-Glucose Cotransporter 2 Inhibition: Insights From Large-Scale Proteomics. <i>Diabetes Care</i> , 2020, 43, 2183-2189.	8.6	35
36	Skin Vasodilator Function and Vasomotion in Patients with Morbid Obesity: Effects of Gastric Bypass Surgery. <i>Obesity Surgery</i> , 2011, 21, 87-94.	2.1	30

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37	Insulin decreases circulating vitamin E levels in humans. <i>Metabolism: Clinical and Experimental</i> , 1996, 45, 998-1003.	3.4	29
38	Metabolic characteristics of prehypertension: role of classification criteria and gender. <i>Journal of Hypertension</i> , 2009, 27, 2394-2402.	0.5	27
39	Soluble Human Leukocyte Antigen-G Expression and Glucose Tolerance in Subjects with Different Degrees of Adiposity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 3342-3346.	3.6	25
40	Reciprocal association between insulin sensitivity and the haematocrit in man. <i>European Journal of Clinical Investigation</i> , 1997, 27, 634-637.	3.4	24
41	Overcoming metabolic syndrome in severe obesity: adiponectin as a marker of insulin sensitivity and HDL-cholesterol improvements after gastric bypass. <i>Arquivos Brasileiros De Endocrinologia E Metabologia</i> , 2009, 53, 293-300.	1.3	24
42	Insulin Sensitivity and β -Cell Function in the Offspring of Type 2 Diabetic Patients: Impact of Line of Inheritance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 4703-4711.	3.6	24
43	Metabolic and Cardiovascular Assessment in Moderate Obesity: Effect of Weight Loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 2937-2943.	3.6	22
44	Metabolic consequences of acute and chronic empagliflozin administration in treatment-naïve and metformin pretreated patients with type 2 diabetes. <i>Diabetologia</i> , 2016, 59, 700-708.	6.3	21
45	Body Weight, Not Insulin Sensitivity or Secretion, May Predict Spontaneous Weight Changes in Nondiabetic and Prediabetic Subjects. <i>Diabetes</i> , 2011, 60, 1938-1945.	0.6	20
46	Mannose is an insulin-regulated metabolite reflecting whole-body insulin sensitivity in man. <i>Metabolism: Clinical and Experimental</i> , 2020, 102, 153974.	3.4	16
47	New Insights on the Interactions Between Insulin Clearance and the Main Glucose Homeostasis Mechanisms. <i>Diabetes Care</i> , 2021, 44, 2115-2123.	8.6	16
48	Effects of acute NEFA manipulation on incretin-induced insulin secretion in participants with and without type 2 diabetes. <i>Diabetologia</i> , 2018, 61, 1829-1837.	6.3	13
49	Effect of Insulin on Proximal Tubules Handling of Glucose: A Systematic Review. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-17.	2.3	13
50	Effect of free fatty acids on insulin secretion, insulin sensitivity and incretin effect – a narrative review. <i>Archives of Endocrinology and Metabolism</i> , 2020, 65, 24-31.	0.6	13
51	Effect of insulin on systemic and renal handling of albumin in nondiabetic and NIDDM subjects. <i>Diabetes</i> , 1997, 46, 868-875.	0.6	13
52	Restored insulin inhibition on insulin secretion in nondiabetic severely obese patients after weight loss induced by bariatric surgery. <i>International Journal of Obesity</i> , 2003, 27, 463-468.	3.4	12
53	Lack of insulin inhibition on insulin secretion in non-diabetic morbidly obese patients. <i>International Journal of Obesity</i> , 2001, 25, 798-804.	3.4	11
54	Effects of glucose tolerance on the changes provoked by glucose ingestion in microvascular function. <i>Diabetologia</i> , 2008, 51, 862-871.	6.3	11

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55	The amino acid response to a mixed meal in patients with type 2 diabetes: effect of sitagliptin treatment. Diabetes, Obesity and Metabolism, 2014, 16, 1140-1147.	4.4	10
56	Rationale and design of the expanded combination of evolocumab plus empagliflozin in diabetes: EXCEED-BHS3 trial. Therapeutic Advances in Chronic Disease, 2020, 11, 204062232095924.	2.5	10
57	Insulin enhances renal glucose excretion: relation to insulin sensitivity and sodium-glucose cotransport. BMJ Open Diabetes Research and Care, 2020, 8, e001178.	2.8	8
58	Dapagliflozin increases the lean-to total mass ratio in type 2 diabetes mellitus. Nutrition and Diabetes, 2021, 11, 17.	3.2	8
59	Glucose uptake saturation explains glucose kinetics profiles measured by different tests. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E346-E357.	3.5	7
60	Loss of the Incretin Effect in Type 2 Diabetes: A Systematic Review and Meta-analysis. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 2092-2100.	3.6	7
61	Linear and Nonlinear Properties of Heart Rate Variability: Influence of Obesity. Annals of the New York Academy of Sciences, 1999, 879, 249-254.	3.8	5
62	Normal Insulin Sensitivity in Lean Offspring of Obese Parents. Obesity, 2004, 12, 621-626.	4.0	5
63	Female Sex and Angiotensin-Converting Enzyme (ACE) Insertion/Deletion Polymorphism Amplify the Effects of Adiposity on Blood Pressure. Hypertension, 2022, 79, 36-46.	2.7	3
64	Insulin sensitivity in cardiometabolic syndrome X. Journal of Internal Medicine, 1996, 239, 241-247.	6.0	2
65	Short-term Acute Hyperinsulinemia and Prothrombotic Factors in Subjects with Normal Glucose Tolerance. Hormone and Metabolic Research, 2009, 41, 568-572.	1.5	2
66	Dapagliflozin reduces adiposity and increases adiponectin in patients with type 2 diabetes and atherosclerotic disease at short-term: an active-controlled randomised trial. Diabetes and Metabolism, 2021, 48, 101304.	2.9	1
67	945 Waist circumference is an independent predictor of left ventricular mass in normotensive obese subjects without comorbidities. European Journal of Echocardiography, 2005, 6, S147-S148.	2.3	0