

Tomas Jelenik

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,129
citations

471509

17
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

4037
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation of Hepatic Mitochondrial Function in Humans with Non-Alcoholic Fatty Liver Is Lost in Steatohepatitis. <i>Cell Metabolism</i> , 2015, 21, 739-746.	16.2	706
2	Role of diacylglycerol activation of PKC δ in lipid-induced muscle insulin resistance in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9597-9602.	7.1	326
3	Specific Hepatic Sphingolipids Relate to Insulin Resistance, Oxidative Stress, and Inflammation in Nonalcoholic Steatohepatitis. <i>Diabetes Care</i> , 2018, 41, 1235-1243.	8.6	203
4	Interorgan Metabolic Crosstalk in Human Insulin Resistance. <i>Physiological Reviews</i> , 2018, 98, 1371-1415.	28.8	138
5	Mechanisms of Insulin Resistance in Primary and Secondary Nonalcoholic Fatty Liver. <i>Diabetes</i> , 2017, 66, 2241-2253.	0.6	124
6	Short-term dietary reduction of branched-chain amino acids reduces meal-induced insulin secretion and modifies microbiome composition in type 2 diabetes: a randomized controlled crossover trial. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 1098-1107.	4.7	119
7	Mitochondrial Plasticity in Obesity and Diabetes Mellitus. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 258-268.	5.4	63
8	Lipid-mediated muscle insulin resistance: different fat, different pathways?. <i>Journal of Molecular Medicine</i> , 2015, 93, 831-843.	3.9	57
9	Reduction of non-esterified fatty acids improves insulin sensitivity and lowers oxidative stress, but fails to restore oxidative capacity in type 2 diabetes: a randomised clinical trial. <i>Diabetologia</i> , 2014, 57, 572-581.	6.3	51
10	Tissue-Specific Differences in the Development of Insulin Resistance in a Mouse Model for Type 1 Diabetes. <i>Diabetes</i> , 2014, 63, 3856-3867.	0.6	51
11	Dynamic changes of muscle insulin sensitivity after metabolic surgery. <i>Nature Communications</i> , 2019, 10, 4179.	12.8	47
12	Exercise training reduces intrahepatic lipid content in people with and people without nonalcoholic fatty liver. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E165-E173.	3.5	46
13	A New Targeted Lipidomics Approach Reveals Lipid Droplets in Liver, Muscle and Heart as a Repository for Diacylglycerol and Ceramide Species in Non-Alcoholic Fatty Liver. <i>Cells</i> , 2019, 8, 277.	4.1	38
14	Insulin Resistance and Vulnerability to Cardiac Ischemia. <i>Diabetes</i> , 2018, 67, 2695-2702.	0.6	31
15	Time course of postprandial hepatic phosphorus metabolites in lean, obese, and type 2 diabetes patients. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 1051-1058.	4.7	30
16	DPP4 deletion in adipose tissue improves hepatic insulin sensitivity in diet-induced obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E590-E599.	3.5	25
17	Metabolic responsiveness to training depends on insulin sensitivity and protein content of exosomes in insulin-resistant males. <i>Science Advances</i> , 2021, 7, eabi9551.	10.3	24
18	FGF21 regulates insulin sensitivity following long-term chronic stress. <i>Molecular Metabolism</i> , 2018, 16, 126-138.	6.5	17

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19	High-resolution respirometry in human endomyocardial biopsies shows reduced ventricular oxidative capacity related to heart failure. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-10.	7.7	10
20	Bax inhibitor-1 deficiency leads to obesity by increasing Ca ²⁺ -dependent insulin secretion. <i>Journal of Molecular Medicine</i> , 2020, 98, 849-862.	3.9	6
21	Cardiometabolic risk factor clustering in patients with deficient branched-chain amino acid catabolism: A case-control study. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 981-993.	3.6	5
22	Exposure to Type 2 Diabetes Provokes Mitochondrial Impairment in Apparently Healthy Human Hearts. <i>Diabetes Care</i> , 2021, 44, e82-e84.	8.6	5
23	Human myocardial mitochondrial oxidative capacity is impaired in mild acute heart transplant rejection. <i>ESC Heart Failure</i> , 2021, , .	3.1	4
24	Dietary lipid droplet structure in postnatal life improves hepatic energy and lipid metabolism in a mouse model for postnatal programming. <i>Pharmacological Research</i> , 2022, 179, 106193.	7.1	3