Nicolas J Pillon

List of Publications by Year
in descending order

38	3,070	304602	345118
papers	citations	22 h-index	36 g-index

45	45	45	5479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genes controlling skeletal muscle glucose uptake and their regulation by endurance and resistance exercise. Journal of Cellular Biochemistry, 2022, 123, 202-214.	1.2	7
2	Glutamine Regulates Skeletal Muscle Immunometabolism in Type 2 Diabetes. Diabetes, 2022, 71, 624-636.	0.3	14
3	Pannexin 3 deletion reduces fat accumulation and inflammation in a sex-specific manner. International Journal of Obesity, 2022, 46, 726-738.	1.6	8
4	The Comparative Methylome and Transcriptome After Change of Direction Compared to Straight Line Running Exercise in Human Skeletal Muscle. Frontiers in Physiology, 2021, 12, 619447.	1.3	19
5	Metabolic consequences of obesity and type 2 diabetes: Balancing genes and environment for personalized care. Cell, 2021, 184, 1530-1544.	13.5	113
6	Editorial: Skeletal Muscle Immunometabolism. Frontiers in Physiology, 2021, 12, 683088.	1.3	0
7	Epigenetic rewiring of skeletal muscle enhancers after exercise training supports a role in whole-body function and human health. Molecular Metabolism, 2021, 53, 101290.	3.0	13
8	Disrupted circadian oscillations in type 2 diabetes are linked to altered rhythmic mitochondrial metabolism in skeletal muscle. Science Advances, 2021, 7, eabi9654.	4.7	44
9	Influence of obesity, weight loss, and free fatty acids on skeletal muscle clock gene expression. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E1-E10.	1.8	20
10	Comparative profiling of skeletal muscle models reveals heterogeneity of transcriptome and metabolism. American Journal of Physiology - Cell Physiology, 2020, 318, C615-C626.	2.1	91
11	Contraction influences Per2 gene expression in skeletal muscle through a calciumâ€dependent pathway. Journal of Physiology, 2020, 598, 5739-5752.	1.3	26
12	Transcriptomic profiling of skeletal muscle adaptations to exercise and inactivity. Nature Communications, 2020, 11, 470.	5.8	235
13	Electroacupuncture Mimics Exercise-Induced Changes in Skeletal Muscle Gene Expression in Women With Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 2027-2041.	1.8	13
14	Deficiency of the autophagy gene ATG16L1 induces insulin resistance through KLHL9/KLHL13/CUL3-mediated IRS1 degradation. Journal of Biological Chemistry, 2019, 294, 16172-16185.	1.6	22
15	Skeletal muscle insulin resistance is induced by 4-hydroxy-2-hexenal, a by-product of n-3 fatty acid peroxidation. Diabetologia, 2018, 61, 688-699.	2.9	20
16	The influence of culture media upon observed cell secretome metabolite profiles: The balance between cell viability and data interpretability. Analytica Chimica Acta, 2018, 1037, 338-350.	2.6	38
17	IL6 and LIF mRNA expression in skeletal muscle is regulated by AMPK and the transcription factors NFYC, ZBTB14, and SP1. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E995-E1004.	1.8	23
18	Circadian Rhythms and Mitochondria: Connecting the Dots. Frontiers in Genetics, 2018, 9, 452.	1.1	62

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19	Sphingolipid changes do not underlie fatty acid-evoked GLUT4 insulin resistance nor inflammation signals in muscle cells[S]. Journal of Lipid Research, 2018, 59, 1148-1163.	2.0	15
20	Deconstructing metabolic inflammation using cellular systems. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E339-E347.	1.8	11
21	Innate immune receptors in skeletal muscle metabolism. Experimental Cell Research, 2017, 360, 47-54.	1.2	29
22	Contracting C₂C₁₂ myotubes release CCL2 in an NF-ÎºB-dependent manner to induce monocyte chemoattraction. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E160-E170.	1.8	33
23	Saturated fatty acids activate caspase-4/5 in human monocytes, triggering IL-1Î² and IL-18 release. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E825-E835.	1.8	49
24	Ozone Exposure Triggers Insulin Resistance Through Muscle c-Jun N-Terminal Kinase Activation. Diabetes, 2015, 64, 1011-1024.	0.3	69
25	Palmitoleate Reverses High Fat-induced Proinflammatory Macrophage Polarization via AMP-activated Protein Kinase (AMPK). Journal of Biological Chemistry, 2015, 290, 16979-16988.	1.6	149
26	Different immune cells mediate mechanical pain hypersensitivity in male and female mice. Nature Neuroscience, 2015, 18, 1081-1083.	7.1	1,041
27	Palmitate-induced inflammatory pathways in human adipose microvascular endothelial cells promote monocyte adhesion and impair insulin transcytosis. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E35-E44.	1.8	59
28	Nucleotides Released From Palmitate-Challenged Muscle Cells Through Pannexin-3 Attract Monocytes. Diabetes, 2014, 63, 3815-3826.	0.3	40
29	Cross-talk between skeletal muscle and immune cells: muscle-derived mediators and metabolic implications. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E453-E465.	1.8	229
30	Chronic treatment with myo-inositol reduces white adipose tissue accretion and improves insulin sensitivity in female mice. Journal of Nutritional Biochemistry, 2013, 24, 457-466.	1.9	79
31	p-Cresyl Sulfate Promotes Insulin Resistance Associated with CKD. Journal of the American Society of Nephrology: JASN, 2013, 24, 88-99.	3.0	216
32	Muscle cells challenged with saturated fatty acids mount an autonomous inflammatory response that activates macrophages. Cell Communication and Signaling, 2012, 10, 30.	2.7	35
33	Lipid Peroxidation by-Products and the Metabolic Syndrome. , 2012, , .		7
34	The Lipid Peroxidation By-Product 4-Hydroxy-2-Nonenal (4-HNE) Induces Insulin Resistance in Skeletal Muscle through Both Carbonyl and Oxidative Stress. Endocrinology, 2012, 153, 2099-2111.	1.4	120
35	Human Uremic Plasma and not Urea Induces Exuberant Secretion of Leptin in 3T3-L1 Adipocytes. , 2011, 21, 72-75.		17
36	Structural and Functional Changes in Human Insulin Induced by the Lipid Peroxidation Byproducts 4-Hydroxy-2-nonenal and 4-Hydroxy-2-hexenal. Chemical Research in Toxicology, 2011, 24, 752-762.	1.7	41

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37	Quantitative structureâ€“activity relationship for 4-hydroxy-2-alkenal induced cytotoxicity in L6 muscle cells. Chemico-Biological Interactions, 2010, 188, 171-180.	1.7	25
38	Cirsimarin, a potent antilipogenic flavonoid, decreases fat deposition in mice intra-abdominal adipose tissue. International Journal of Obesity, 2010, 34, 1566-1575.	1.6	26