

Philip J Bilan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,741
citations

394421

19
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

4478
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexin-2 redistributes to the membrane of muscle cells in response to insulin and contributes to GLUT4 translocation. <i>Biochemical Journal</i> , 2021, 478, 407-422.	3.7	8
2	Communication Between Autophagy and Insulin Action: At the Crux of Insulin Action-Insulin Resistance?. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 708431.	3.7	27
3	GLUT4-overexpressing engineered muscle constructs as a therapeutic platform to normalize glycemia in diabetic mice. <i>Science Advances</i> , 2021, 7, eabg3947.	10.3	8
4	Nucleotides released from palmitate-activated murine macrophages attract neutrophils. <i>Journal of Biological Chemistry</i> , 2020, 295, 4902-4911.	3.4	21
5	Electrical pulse stimulation induces GLUT4 translocation in a Rac/Akt-dependent manner in C2C12 myotubes. <i>FEBS Letters</i> , 2018, 592, 644-654.	2.8	25
6	Electrical pulse stimulation induces GLUT4 translocation in C ₂ C ₁₂ myotubes that depends on Rab8A, Rab13, and Rab14. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E478-E493.	3.5	31
7	GLUT4 Translocation in Single Muscle Cells in Culture: Epitope Detection by Immunofluorescence. <i>Methods in Molecular Biology</i> , 2018, 1713, 175-192.	0.9	6
8	Sphingolipid changes do not underlie fatty acid-evoked GLUT4 insulin resistance nor inflammation signals in muscle cells[S]. <i>Journal of Lipid Research</i> , 2018, 59, 1148-1163.	4.2	15
9	Insulin uptake and action in microvascular endothelial cells of lymphatic and blood origin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E204-E217.	3.5	24
10	Deconstructing metabolic inflammation using cellular systems. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 312, E339-E347.	3.5	11
11	Circulating NOD1 Activators and Hematopoietic NOD1 Contribute to Metabolic Inflammation and Insulin Resistance. <i>Cell Reports</i> , 2017, 18, 2415-2426.	6.4	70
12	Update on GLUT4 Vesicle Traffic: A Cornerstone of Insulin Action. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 597-611.	7.1	210
13	Intermittent fasting promotes adipose thermogenesis and metabolic homeostasis via VEGF-mediated alternative activation of macrophage. <i>Cell Research</i> , 2017, 27, 1309-1326.	12.0	148
14	Contracting C ₂ C ₁₂ myotubes release CCL2 in an NF- κ B-dependent manner to induce monocyte chemoattraction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E160-E170.	3.5	33
15	Saturated fatty acids activate caspase-4/5 in human monocytes, triggering IL-1 β and IL-18 release. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E825-E835.	3.5	49
16	Rac1 governs exercise-stimulated glucose uptake in skeletal muscle through regulation of GLUT4 translocation in mice. <i>Journal of Physiology</i> , 2016, 594, 4997-5008.	2.9	87
17	Facilitative glucose transporters: Implications for cancer detection, prognosis and treatment. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 124-139.	3.4	304
18	A complex of Rab13 with MICAL-L2 and β -actinin-4 is essential for insulin-dependent GLUT4 exocytosis. <i>Molecular Biology of the Cell</i> , 2016, 27, 75-89.	2.1	44

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19	Different immune cells mediate mechanical pain hypersensitivity in male and female mice. <i>Nature Neuroscience</i> , 2015, 18, 1081-1083.	14.8	1,041
20	Palmitate-induced inflammatory pathways in human adipose microvascular endothelial cells promote monocyte adhesion and impair insulin transcytosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E35-E44.	3.5	59
21	The Rho-guanine nucleotide exchange factor PDZ-RhoGEF governs susceptibility to diet-induced obesity and type 2 diabetes. <i>ELife</i> , 2015, 4, .	6.0	20
22	Nucleotides Released From Palmitate-Challenged Muscle Cells Through Pannexin-3 Attract Monocytes. <i>Diabetes</i> , 2014, 63, 3815-3826.	0.6	40
23	Contraction-related stimuli regulate GLUT4 traffic in C ₂ C ₁₂ -GLUT4 ^{myc} skeletal muscle cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E1058-E1071.	3.5	44
24	VAMP2, but Not VAMP3/Cellubrevin, Mediates Insulin-dependent Incorporation of GLUT4 into the Plasma Membrane of L6 Myoblasts. <i>Molecular Biology of the Cell</i> , 2000, 11, 2403-2417.	2.1	102
25	Role of the actin cytoskeleton in insulin action. <i>Microscopy Research and Technique</i> , 1999, 47, 79-92.	2.2	79
26	Opposite Effects of Insulin on Focal Adhesion Proteins in 3T3-L1 Adipocytes and in Cells Overexpressing the Insulin Receptor. <i>Molecular Biology of the Cell</i> , 1998, 9, 3057-3069.	2.1	19
27	Actin filaments participate in the relocalization of phosphatidylinositol3-kinase to glucose transporter-containing compartments and in the stimulation of glucose uptake in 3T3-L1 adipocytes. <i>Biochemical Journal</i> , 1998, 331, 917-928.	3.7	164
28	Acute and long-term effects of insulin-like growth factor I on glucose transporters in muscle cells Translocation and biosynthesis. <i>FEBS Letters</i> , 1992, 298, 285-290.	2.8	52