

Lykke Sylow

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

1,875
citations

24
h-index

43
g-index

68
ext. papers

2,294
ext. citations

5.5
avg, IF

4.98
L-index

#	Paper	IF	Citations
59	Cancer causes dysfunctional insulin signaling and glucose transport in a muscle-type-specific manner.. <i>FASEB Journal</i> , 2022 , 36, e22211	0.9	0
58	Genetic variation of macronutrient tolerance in <i>Drosophila melanogaster</i> .. <i>Nature Communications</i> , 2022 , 13, 1637	17.4	1
57	Incidence of New-Onset Type 2 Diabetes After Cancer: A Danish Cohort Study. <i>Diabetes Care</i> , 2022 , 45, e105-e106	14.6	2
56	Exercise-Regulated Skeletal Muscle Glucose Uptake. <i>Physiology in Health and Disease</i> , 2022 , 115-136	0.2	
55	Interactions between insulin and exercise. <i>Biochemical Journal</i> , 2021 , 478, 3827-3846	3.8	0
54	Exercise-A Panacea of Metabolic Dysregulation in Cancer: Physiological and Molecular Insights. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
53	The many actions of insulin in skeletal muscle, the paramount tissue determining glycemia. <i>Cell Metabolism</i> , 2021 , 33, 758-780	24.6	28
52	Effect of hypoxic exercise on glucose tolerance in healthy and prediabetic adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E43-E54	6	5
51	Effects of Roux-en-Y gastric bypass on circulating follistatin, activin A, and peripheral ActRIIB signaling in humans with obesity and type 2 diabetes. <i>International Journal of Obesity</i> , 2021 , 45, 316-325	5.5	1
50	Housing temperature influences exercise training adaptations in mice. <i>Nature Communications</i> , 2020 , 11, 1560	17.4	23
49	Circulating Follistatin and Activin A and Their Regulation by Insulin in Obesity and Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	10
48	Cancer causes metabolic perturbations associated with reduced insulin-stimulated glucose uptake in peripheral tissues and impaired muscle microvascular perfusion. <i>Metabolism: Clinical and Experimental</i> , 2020 , 105, 154169	12.7	11
47	The p21-activated kinase 2 (PAK2), but not PAK1, regulates contraction-stimulated skeletal muscle glucose transport. <i>Physiological Reports</i> , 2020 , 8, e14460	2.6	6
46	Integrin-associated ILK and PINCH1 protein content are reduced in skeletal muscle of maintenance haemodialysis patients. <i>Journal of Physiology</i> , 2020 , 598, 5701-5716	3.9	3
45	Insulin-stimulated glucose uptake partly relies on p21-activated kinase (PAK)2, but not PAK1, in mouse skeletal muscle. <i>Journal of Physiology</i> , 2020 , 598, 5351-5377	3.9	10
44	Current advances in our understanding of exercise as medicine in metabolic disease. <i>Current Opinion in Physiology</i> , 2019 , 12, 12-19	2.6	28
43	Rho GTPases-Emerging Regulators of Glucose Homeostasis and Metabolic Health. <i>Cells</i> , 2019 , 8,	7.9	24

42	Mechanisms involved in follistatin-induced hypertrophy and increased insulin action in skeletal muscle. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 1241-1257	10.3	24
41	Phosphoproteomics reveals conserved exercise-stimulated signaling and AMPK regulation of store-operated calcium entry. <i>EMBO Journal</i> , 2019 , 38, e102578	13	22
40	Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise. <i>Nature Communications</i> , 2019 , 10, 4623	17.4	81
39	Actin shows limited mobility and is required only for supraphysiological insulin-stimulated glucose transport in young adult soleus muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E110-E125	6	14
38	Quantitative proteomic characterization of cellular pathways associated with altered insulin sensitivity in skeletal muscle following high-fat diet feeding and exercise training. <i>Scientific Reports</i> , 2018 , 8, 10723	4.9	22
37	Differential effects of high-fat diet and exercise training on bone and energy metabolism. <i>Bone</i> , 2018 , 116, 120-134	4.7	24
36	Rac1 muscle knockout exacerbates the detrimental effect of high-fat diet on insulin-stimulated muscle glucose uptake independently of Akt. <i>Journal of Physiology</i> , 2018 , 596, 2283-2299	3.9	24
35	Rac1 and AMPK Account for the Majority of Muscle Glucose Uptake Stimulated by Ex Vivo Contraction but Not In Vivo Exercise. <i>Diabetes</i> , 2017 , 66, 1548-1559	0.9	37
34	Mammalian target of rapamycin complex 2 regulates muscle glucose uptake during exercise in mice. <i>Journal of Physiology</i> , 2017 , 595, 4845-4855	3.9	30
33	Endothelial mechanotransduction proteins and vascular function are altered by dietary sucrose supplementation in healthy young male subjects. <i>Journal of Physiology</i> , 2017 , 595, 5557-5571	3.9	13
32	Exercise Increases Human Skeletal Muscle Insulin Sensitivity via Coordinated Increases in Microvascular Perfusion and Molecular Signaling. <i>Diabetes</i> , 2017 , 66, 1501-1510	0.9	96
31	Exercise-stimulated glucose uptake - regulation and implications for glycaemic control. <i>Nature Reviews Endocrinology</i> , 2017 , 13, 133-148	15.2	201
30	Tyrosine 397 phosphorylation is critical for FAK-promoted Rac1 activation and invasive properties in oral squamous cell carcinoma cells. <i>Laboratory Investigation</i> , 2016 , 96, 1026	5.9	1
29	mTORC2 and AMPK differentially regulate muscle triglyceride content via Perilipin 3. <i>Molecular Metabolism</i> , 2016 , 5, 646-655	8.8	37
28	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	3.9	71
27	The Cancer Drug Dasatinib Increases PGC-1 α in Adipose Tissue but Has Adverse Effects on Glucose Tolerance in Obese Mice. <i>Endocrinology</i> , 2016 , 157, 4184-4191	4.8	1
26	Decreased spontaneous activity in AMPK α muscle specific kinase dead mice is not caused by changes in brain dopamine metabolism. <i>Physiology and Behavior</i> , 2016 , 164, 300-5	3.5	4
25	Rac1 in Muscle Is Dispensable for Improved Insulin Action After Exercise in Mice. <i>Endocrinology</i> , 2016 , 157, 3009-15	4.8	11

24	Acute systemic insulin intolerance does not alter the response of the Akt/GSK-3 pathway to environmental hypoxia in human skeletal muscle. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1219-31	3.4	4
23	Stretch-stimulated glucose transport in skeletal muscle is regulated by Rac1. <i>Journal of Physiology</i> , 2015 , 593, 645-56	3.9	42
22	Reply from Lykke Sylow, Lisbeth L. V. Møller, Maximilian Kleinert, Erik A. Richter and Thomas E. Jensen. <i>Journal of Physiology</i> , 2015 , 593, 2239-40	3.9	
21	PT-1 selectively activates AMPK- α complexes in mouse skeletal muscle, but activates all three α subunit complexes in cultured human cells by inhibiting the respiratory chain. <i>Biochemical Journal</i> , 2015 , 467, 461-72	3.8	41
20	Is contraction-stimulated glucose transport feedforward regulated by Ca ²⁺ ?. <i>Experimental Physiology</i> , 2014 , 99, 1562-8	2.4	9
19	Contraction-stimulated glucose transport in muscle is controlled by AMPK and mechanical stress but not sarcoplasmic reticulum Ca(2+) release. <i>Molecular Metabolism</i> , 2014 , 3, 742-53	8.8	54
18	Acute mTOR inhibition induces insulin resistance and alters substrate utilization in vivo. <i>Molecular Metabolism</i> , 2014 , 3, 630-41	8.8	57
17	Akt and Rac1 signaling are jointly required for insulin-stimulated glucose uptake in skeletal muscle and downregulated in insulin resistance. <i>Cellular Signalling</i> , 2014 , 26, 323-31	4.9	101
16	Rac1--a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. <i>Experimental Physiology</i> , 2014 , 99, 1574-80	2.4	22
15	Deletion of skeletal muscle SOCS3 prevents insulin resistance in obesity. <i>Diabetes</i> , 2013 , 62, 56-64	0.9	106
14	LKB1 regulates lipid oxidation during exercise independently of AMPK. <i>Diabetes</i> , 2013 , 62, 1490-9	0.9	54
13	Rac1 is a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. <i>Diabetes</i> , 2013 , 62, 1139-51	0.9	103
12	Regulation of glycogen synthase in muscle and its role in Type 2 diabetes. <i>Diabetes Management</i> , 2013 , 3, 81-90	0	6
11	Rac1 signaling is required for insulin-stimulated glucose uptake and is dysregulated in insulin-resistant murine and human skeletal muscle. <i>Diabetes</i> , 2013 , 62, 1865-75	0.9	128
10	AMPK and insulin action--responses to ageing and high fat diet. <i>PLoS ONE</i> , 2013 , 8, e62338	3.7	21
9	Muscle-specific deletion of mTORC2 (Rictor) blocks insulin stimulated Akt Ser 473 phosphorylation and impairs submaximal but not maximal insulin induced glucose uptake. <i>FASEB Journal</i> , 2013 , 27, 1109.109	0.9	109
8	Rac1 is a novel regulator of stretch-induced glucose uptake in muscle. <i>FASEB Journal</i> , 2013 , 27, 1152.7	0.9	
7	Overexpression of monocarboxylate transporter-1 (SLC16A1) in mouse pancreatic β cells leads to relative hyperinsulinism during exercise. <i>Diabetes</i> , 2012 , 61, 1719-25	0.9	72

6	Current understanding of increased insulin sensitivity after exercise - emerging candidates. <i>Acta Physiologica</i> , 2011 , 202, 323-35	5.6	70
5	Rac1 signalling towards GLUT4/glucose uptake in skeletal muscle. <i>Cellular Signalling</i> , 2011 , 23, 1546-54	4.9	106
4	Cytosolic ROS production by NADPH oxidase 2 regulates muscle glucose uptake during exercise		2
3	Insulin-stimulated glucose uptake partly relies on p21-activated kinase (PAK)-2, but not PAK1, in mouse skeletal muscle		1
2	Mechanisms involved in follistatin-induced hypertrophy and increased insulin action in skeletal muscle		1
1	Housing temperature influences exercise training adaptations in mice		2