

# Maximilian Kleinert

## 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.

47  
papers

2,163  
citations

22  
h-index

46  
g-index

53  
ext. papers

2,795  
ext. citations

7.7  
avg, IF

4.76  
L-index

#	Paper	IF	Citations
47	Clenbuterol exerts antidiabetic activity through metabolic reprogramming of skeletal muscle cells.. <i>Nature Communications</i> , <b>2022</b> , 13, 22	17.4	1
46	In vivo metabolic effects after acute activation of skeletal muscle G signaling. <i>Molecular Metabolism</i> , <b>2021</b> , 55, 101415	8.8	0
45	The Role of GDF15 as a Myomitokine. <i>Cells</i> , <b>2021</b> , 10,	7.9	8
44	Glucagon's Metabolic Action in Health and Disease. <i>Comprehensive Physiology</i> , <b>2021</b> , 11, 1759-1783	7.7	2
43	Plasma proteome profiles treatment efficacy of incretin dual agonism in diet-induced obese female and male mice. <i>Diabetes, Obesity and Metabolism</i> , <b>2021</b> , 23, 195-207	6.7	7
42	Small Amounts of Dietary Medium-Chain Fatty Acids Protect Against Insulin Resistance During Caloric Excess in Humans. <i>Diabetes</i> , <b>2021</b> , 70, 91-98	0.9	4
41	Pharmacological but not physiological GDF15 suppresses feeding and the motivation to exercise. <i>Nature Communications</i> , <b>2021</b> , 12, 1041	17.4	23
40	Pharmacological targeting of $\alpha 4$ nicotinic receptors improves peripheral insulin sensitivity in mice with diet-induced obesity. <i>Diabetologia</i> , <b>2020</b> , 63, 1236-1247	10.3	3
39	Targeted pharmacological therapy restores $\beta$ cell function for diabetes remission. <i>Nature Metabolism</i> , <b>2020</b> , 2, 192-209	14.6	44
38	Growth Factor-Dependent and -Independent Activation of mTORC2. <i>Trends in Endocrinology and Metabolism</i> , <b>2020</b> , 31, 13-24	8.8	14
37	Glucometabolic consequences of acute and prolonged inhibition of fatty acid oxidation. <i>Journal of Lipid Research</i> , <b>2020</b> , 61, 10-19	6.3	15
36	A New FGF21 Analog for the Treatment of Fatty Liver Disease. <i>Diabetes</i> , <b>2020</b> , 69, 1605-1607	0.9	2
35	ApoA-1 improves glucose tolerance by increasing glucose uptake into heart and skeletal muscle independently of AMPK. <i>Molecular Metabolism</i> , <b>2020</b> , 35, 100949	8.8	10
34	Glucagon Regulation of Energy Expenditure. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	22
33	Effect of bariatric surgery on plasma GDF15 in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 316, E615-E621	6	13
32	Teaching an old dog new tricks: metformin induces body-weight loss via GDF15. <i>Nature Metabolism</i> , <b>2019</b> , 1, 1171-1172	14.6	2
31	Exercise increases circulating GDF15 in humans. <i>Molecular Metabolism</i> , <b>2018</b> , 9, 187-191	8.8	68

30	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , <b>2018</b> , 14, 140-162	15.2	330
29	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> , <b>2018</b> , 8, 10723	4.9	22
28	Time-resolved hypothalamic open flow micro-perfusion reveals normal leptin transport across the blood-brain barrier in leptin resistant mice. <i>Molecular Metabolism</i> , <b>2018</b> , 13, 77-82	8.8	17
27	Transcriptional programming of lipid and amino acid metabolism by the skeletal muscle circadian clock. <i>PLoS Biology</i> , <b>2018</b> , 16, e2005886	9.7	70
26	Chronic Beta2-Adrenergic Receptor Stimulation Improves Whole-Body Glucose Homeostasis through Skeletal Muscle Metabolic Reprogramming. <i>FASEB Journal</i> , <b>2018</b> , 32, 533.43	0.9	
25	Coordinated targeting of cold and nicotinic receptors synergistically improves obesity and type 2 diabetes. <i>Nature Communications</i> , <b>2018</b> , 9, 4304	17.4	26
24	Periodized low protein-high carbohydrate diet confers potent, but transient, metabolic improvements. <i>Molecular Metabolism</i> , <b>2018</b> , 17, 112-121	8.8	9
23	Rac1 and AMPK Account for the Majority of Muscle Glucose Uptake Stimulated by Ex Vivo Contraction but Not In Vivo Exercise. <i>Diabetes</i> , <b>2017</b> , 66, 1548-1559	0.9	37
22	Mammalian target of rapamycin complex 2 regulates muscle glucose uptake during exercise in mice. <i>Journal of Physiology</i> , <b>2017</b> , 595, 4845-4855	3.9	30
21	Exercise Increases Human Skeletal Muscle Insulin Sensitivity via Coordinated Increases in Microvascular Perfusion and Molecular Signaling. <i>Diabetes</i> , <b>2017</b> , 66, 1501-1510	0.9	96
20	Exercise-stimulated glucose uptake - regulation and implications for glycaemic control. <i>Nature Reviews Endocrinology</i> , <b>2017</b> , 13, 133-148	15.2	201
19	mTORC2 and AMPK differentially regulate muscle triglyceride content via Perilipin 3. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 646-655	8.8	37
18	Rac1 governs exercise-stimulated glucose uptake in skeletal muscle through regulation of GLUT4 translocation in mice. <i>Journal of Physiology</i> , <b>2016</b> , 594, 4997-5008	3.9	71
17	Regulation of autophagy in human skeletal muscle: effects of exercise, exercise training and insulin stimulation. <i>Journal of Physiology</i> , <b>2016</b> , 594, 745-61	3.9	57
16	Chemical Hybridization of Glucagon and Thyroid Hormone Optimizes Therapeutic Impact for Metabolic Disease. <i>Cell</i> , <b>2016</b> , 167, 843-857.e14	56.2	114
15	The RabGAP TBC1D1 plays a central role in exercise-regulated glucose metabolism in skeletal muscle. <i>Diabetes</i> , <b>2015</b> , 64, 1914-22	0.9	51
14	Leukemia inhibitory factor increases glucose uptake in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 309, E142-53	6	22
13	Global Phosphoproteomic Analysis of Human Skeletal Muscle Reveals a Network of Exercise-Regulated Kinases and AMPK Substrates. <i>Cell Metabolism</i> , <b>2015</b> , 22, 922-35	24.6	233

12	Stretch-stimulated glucose transport in skeletal muscle is regulated by Rac1. <i>Journal of Physiology</i> , <b>2015</b> , 593, 645-56	3.9	42
11	Reply from Lykke Sylow, Lisbeth L. V. Møller, Maximilian Kleinert, Erik A. Richter and Thomas E. Jensen. <i>Journal of Physiology</i> , <b>2015</b> , 593, 2239-40	3.9	
10	PT-1 selectively activates AMPK- $\alpha$ complexes in mouse skeletal muscle, but activates all three $\alpha$ subunit complexes in cultured human cells by inhibiting the respiratory chain. <i>Biochemical Journal</i> , <b>2015</b> , 467, 461-72	3.8	41
9	Acute mTOR inhibition induces insulin resistance and alters substrate utilization in vivo. <i>Molecular Metabolism</i> , <b>2014</b> , 3, 630-41	8.8	57
8	Akt and Rac1 signaling are jointly required for insulin-stimulated glucose uptake in skeletal muscle and downregulated in insulin resistance. <i>Cellular Signalling</i> , <b>2014</b> , 26, 323-31	4.9	101
7	Rac1--a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. <i>Experimental Physiology</i> , <b>2014</b> , 99, 1574-80	2.4	22
6	Leukemia inhibitory factor stimulates muscle glucose uptake by a PI3-kinase dependent pathway that is maintained in white muscle in obesity (1162.4). <i>FASEB Journal</i> , <b>2014</b> , 28, 1162.4	0.9	
5	Rac1 is a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. <i>Diabetes</i> , <b>2013</b> , 62, 1139-51	0.9	103
4	Regulation of glycogen synthase in muscle and its role in Type 2 diabetes. <i>Diabetes Management</i> , <b>2013</b> , 3, 81-90	0	6
3	Rac1 signaling is required for insulin-stimulated glucose uptake and is dysregulated in insulin-resistant murine and human skeletal muscle. <i>Diabetes</i> , <b>2013</b> , 62, 1865-75	0.9	128
2	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> , <b>2013</b> , 27, 1109.109	0.9	
1	Rac1 is a novel regulator of stretch-induced glucose uptake in muscle. <i>FASEB Journal</i> , <b>2013</b> , 27, 1152.7	0.9	