

# Timo Dirk MÃ¼ller

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

5,642  
citations

126907

33  
h-index

138484

58  
g-index

60  
all docs

60  
docs citations

60  
times ranked

7877  
citing authors

#	ARTICLE	IF	CITATIONS
1	A guide to analysis of mouse energy metabolism. <i>Nature Methods</i> , 2012, 9, 57-63.	19.0	655
2	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2018, 14, 140-162.	9.6	563
3	A rationally designed monomeric peptide triagonist corrects obesity and diabetes in rodents. <i>Nature Medicine</i> , 2015, 21, 27-36.	30.7	481
4	Unimolecular Dual Incretins Maximize Metabolic Benefits in Rodents, Monkeys, and Humans. <i>Science Translational Medicine</i> , 2013, 5, 209ra151.	12.4	461
5	Anti-obesity drug discovery: advances and challenges. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 201-223.	46.4	357
6	Targeted estrogen delivery reverses the metabolic syndrome. <i>Nature Medicine</i> , 2012, 18, 1847-1856.	30.7	241
7	Gut-Brain Cross-Talk in Metabolic Control. <i>Cell</i> , 2017, 168, 758-774.	28.9	218
8	Unimolecular Polypharmacy for Treatment of Diabetes and Obesity. <i>Cell Metabolism</i> , 2016, 24, 51-62.	16.2	198
9	Plasma proteome profiling discovers novel proteins associated with nonalcoholic fatty liver disease. <i>Molecular Systems Biology</i> , 2019, 15, e8793.	7.2	176
10	Chemical Hybridization of Glucagon and Thyroid Hormone Optimizes Therapeutic Impact for Metabolic Disease. <i>Cell</i> , 2016, 167, 843-857.e14.	28.9	153
11	Restoration of leptin responsiveness in diet-induced obese mice using an optimized leptin analog in combination with exendin4 or FGF21. <i>Journal of Peptide Science</i> , 2012, 18, 383-393.	1.4	133
12	Reappraisal of GIP Pharmacology for Metabolic Diseases. <i>Trends in Molecular Medicine</i> , 2016, 22, 359-376.	6.7	128
13	The glucose-dependent insulinotropic polypeptide (GIP) regulates body weight and food intake via CNS-GIPR signaling. <i>Cell Metabolism</i> , 2021, 33, 833-844.e5.	16.2	128
14	GLP-1/Glucagon Coagonism Restores Leptin Responsiveness in Obese Mice Chronically Maintained on an Obesogenic Diet. <i>Diabetes</i> , 2014, 63, 1422-1427.	0.6	116
15	p62 Links $\beta$ -adrenergic input to mitochondrial function and thermogenesis. <i>Journal of Clinical Investigation</i> , 2013, 123, 469-478.	8.2	107
16	Targeted pharmacological therapy restores $\beta$ -cell function for diabetes remission. <i>Nature Metabolism</i> , 2020, 2, 192-209.	11.9	93
17	Emerging hormonal-based combination pharmacotherapies for the treatment of metabolic diseases. <i>Nature Reviews Endocrinology</i> , 2019, 15, 90-104.	9.6	92
18	Monomeric GLP-1/GIP/glucagon triagonism corrects obesity, hepatosteatosis, and dyslipidemia in female mice. <i>Molecular Metabolism</i> , 2017, 6, 440-446.	6.5	87

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19	Adipocyte p62/SQSTM1 Suppresses Tumorigenesis through Opposite Regulations of Metabolism in Adipose Tissue and Tumor. <i>Cancer Cell</i> , 2018, 33, 770-784.e6.	16.8	81
20	Glucagon Regulation of Energy Expenditure. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5407.	4.1	70
21	Emerging opportunities for the treatment of metabolic diseases: Glucagon-like peptide-1 based multi-agonists. <i>Molecular and Cellular Endocrinology</i> , 2015, 418, 42-54.	3.2	69
22	Obesity-associated hyperleptinemia alters the gliovascular interface of the hypothalamus to promote hypertension. <i>Cell Metabolism</i> , 2021, 33, 1155-1170.e10.	16.2	68
23	Identification of GPR83 as the receptor for the neuroendocrine peptide PEN. <i>Science Signaling</i> , 2016, 9, ra43.	3.6	66
24	Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity. <i>Cell Metabolism</i> , 2017, 26, 620-632.e6.	16.2	66
25	The orphan receptor Gpr83 regulates systemic energy metabolism via ghrelin-dependent and ghrelin-independent mechanisms. <i>Nature Communications</i> , 2013, 4, 1968.	12.8	64
26	Revisiting energy expenditure: how to correct mouse metabolic rate for body mass. <i>Nature Metabolism</i> , 2021, 3, 1134-1136.	11.9	63
27	Dual melanocortin $\mu$ 4 receptor and GLP $\mu$ 1 receptor agonism amplifies metabolic benefits in diet-induced obese mice. <i>EMBO Molecular Medicine</i> , 2015, 7, 288-298.	6.9	59
28	Fibroblast activation protein (FAP) as a novel metabolic target. <i>Molecular Metabolism</i> , 2016, 5, 1015-1024.	6.5	56
29	Inceptor counteracts insulin signalling in $\beta$ <sup>2</sup> -cells to control glycaemia. <i>Nature</i> , 2021, 590, 326-331.	27.8	55
30	Ghrelin and its potential in the treatment of eating/wasting disorders and cachexia. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2010, 1, 159-167.	7.3	46
31	Genetic variation of the ghrelin activator gene ghrelin O-acyltransferase (GOAT) is associated with anorexia nervosa. <i>Journal of Psychiatric Research</i> , 2011, 45, 706-711.	3.1	44
32	Recent Advances in Incretin-Based Pharmacotherapies for the Treatment of Obesity and Diabetes. <i>Frontiers in Endocrinology</i> , 2022, 13, 838410.	3.5	42
33	Coordinated targeting of cold and nicotinic receptors synergistically improves obesity and type 2 diabetes. <i>Nature Communications</i> , 2018, 9, 4304.	12.8	41
34	Metabolic syndrome and extensive adipose tissue inflammation in morbidly obese Göttingen minipigs. <i>Molecular Metabolism</i> , 2018, 16, 180-190.	6.5	41
35	Spatiotemporal GLP-1 and GIP receptor signaling and trafficking/recycling dynamics induced by selected receptor mono- and dual-agonists. <i>Molecular Metabolism</i> , 2021, 49, 101181.	6.5	39
36	A Macrophage NBR1-MEKK3 Complex Triggers JNK-Mediated Adipose Tissue Inflammation in Obesity. <i>Cell Metabolism</i> , 2014, 20, 499-511.	16.2	36

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37	Active integrins regulate white adipose tissue insulin sensitivity and brown fat thermogenesis. <i>Molecular Metabolism</i> , 2021, 45, 101147.	6.5	30
38	Ghrelin - A Key Pleiotropic Hormone-Regulating Systemic Energy Metabolism. <i>Endocrine Development</i> , 2013, 25, 91-100.	1.3	23
39	Orphan GPR116 mediates the insulin sensitizing effects of the hepatokine FNDC4 in adipose tissue. <i>Nature Communications</i> , 2021, 12, 2999.	12.8	22
40	The scaffold protein p62 regulates adaptive thermogenesis through ATF2 nuclear target activation. <i>Nature Communications</i> , 2020, 11, 2306.	12.8	21
41	Insights into incretin-based therapies for treatment of diabetic dyslipidemia. <i>Advanced Drug Delivery Reviews</i> , 2020, 159, 34-53.	13.7	21
42	Determination of thyroid hormones in mouse tissues by isotope-dilution microflow liquid chromatography-mass spectrometry method. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 413-420.	2.3	19
43	Type 2 diabetes risk gene <i>Dusp8</i> regulates hypothalamic Jnk signaling and insulin sensitivity. <i>Journal of Clinical Investigation</i> , 2020, 130, 6093-6108.	8.2	17
44	Upregulated phospholipase D activity toward glycosylphosphatidylinositol-anchored proteins in micelle-like serum complexes in metabolically deranged rats and humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E462-E479.	3.5	14
45	NBR1 is a critical step in the repression of thermogenesis of p62-deficient adipocytes through PPAR $\beta$ . <i>Nature Communications</i> , 2021, 12, 2876.	12.8	13
46	Plasma proteome profiles treatment efficacy of incretin dual agonism in diet-induced obese female and male mice. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 195-207.	4.4	12
47	Age-dependent membrane release and degradation of full-length glycosylphosphatidylinositol-anchored proteins in rats. <i>Mechanisms of Ageing and Development</i> , 2020, 190, 111307.	4.6	9
48	Pharmacological targeting of $\alpha 3 \beta 4$ nicotinic receptors improves peripheral insulin sensitivity in mice with diet-induced obesity. <i>Diabetologia</i> , 2020, 63, 1236-1247.	6.3	9
49	Emerging Polyagonists for Obesity and Type 2 Diabetes. <i>Obesity</i> , 2017, 25, 1647-1649.	3.0	7
50	Interaction of Full-Length Glycosylphosphatidylinositol-Anchored Proteins with Serum Proteins and Their Translocation to Cells In Vitro Depend on the (Pre-)Diabetic State in Rats and Humans. <i>Biomedicines</i> , 2021, 9, 277.	3.2	7
51	The Pentapeptide RM-131 Promotes Food Intake and Adiposity in Wildtype Mice but Not in Mice Lacking the Ghrelin Receptor. <i>Frontiers in Nutrition</i> , 2014, 1, 31.	3.7	5
52	Correlation guided Network Integration (CoNI) reveals novel genes affecting hepatic metabolism. <i>Molecular Metabolism</i> , 2021, 53, 101295.	6.5	4
53	Chip-Based Sensing of the Intercellular Transfer of Cell Surface Proteins: Regulation by the Metabolic State. <i>Biomedicines</i> , 2021, 9, 1452.	3.2	4
54	Biological Role of the Intercellular Transfer of Glycosylphosphatidylinositol-Anchored Proteins: Stimulation of Lipid and Glycogen Synthesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7418.	4.1	4

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55	Teaching an old dog new tricks: metformin induces body-weight loss via GDF15. <i>Nature Metabolism</i> , 2019, 1, 1171-1172.	11.9	2