

# Matthias Blher

## List of Publications by Citations

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334  
papers

28,952  
citations

77  
h-index

166  
g-index

371  
ext. papers

35,656  
ext. citations

9.3  
avg, IF

7.78  
L-index

#	Paper	IF	Citations
334	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , <b>2015</b> , 518, 197-206	50.4	2687
333	Weight loss with a low-carbohydrate, Mediterranean, or low-fat diet. <i>New England Journal of Medicine</i> , <b>2008</b> , 359, 229-41	59.2	1404
332	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , <b>2014</b> , 46, 1173-86	36.3	1339
331	Antioxidants prevent health-promoting effects of physical exercise in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 8665-70	11.5	1108
330	Obesity: global epidemiology and pathogenesis. <i>Nature Reviews Endocrinology</i> , <b>2019</b> , 15, 288-298	15.2	1094
329	Extended longevity in mice lacking the insulin receptor in adipose tissue. <i>Science</i> , <b>2003</b> , 299, 572-4	33.3	1076
328	Retinol-binding protein 4 and insulin resistance in lean, obese, and diabetic subjects. <i>New England Journal of Medicine</i> , <b>2006</b> , 354, 2552-63	59.2	1035
327	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , <b>2015</b> , 518, 187-196	50.4	920
326	Adipose tissue selective insulin receptor knockout protects against obesity and obesity-related glucose intolerance. <i>Developmental Cell</i> , <b>2002</b> , 3, 25-38	10.2	635
325	Insulin-sensitive obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2010</b> , 299, E506615		542
324	Plasma visfatin concentrations and fat depot-specific mRNA expression in humans. <i>Diabetes</i> , <b>2005</b> , 54, 2911-6	0.9	540
323	T-lymphocyte infiltration in visceral adipose tissue: a primary event in adipose tissue inflammation and the development of obesity-mediated insulin resistance. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 1304-10	9.4	532
322	Adipokines in health and disease. <i>Trends in Pharmacological Sciences</i> , <b>2015</b> , 36, 461-70	13.2	503
321	Evidence for a role of developmental genes in the origin of obesity and body fat distribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 6676-81	11.5	462
320	Macrophage infiltration into omental versus subcutaneous fat across different populations: effect of regional adiposity and the comorbidities of obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 2240-7	5.6	420
319	Dysregulation of the peripheral and adipose tissue endocannabinoid system in human abdominal obesity. <i>Diabetes</i> , <b>2006</b> , 55, 3053-60	0.9	418
318	The distinction of metabolically healthy from unhealthy obese individuals. <i>Current Opinion in Lipidology</i> , <b>2010</b> , 21, 38-43	4.4	411

317	Obesity-induced CerS6-dependent C16:0 ceramide production promotes weight gain and glucose intolerance. <i>Cell Metabolism</i> , <b>2014</b> , 20, 678-86	24.6	393
316	3 years of liraglutide versus placebo for type 2 diabetes risk reduction and weight management in individuals with prediabetes: a randomised, double-blind trial. <i>Lancet, The</i> , <b>2017</b> , 389, 1399-1409	40	324
315	Serum retinol-binding protein is more highly expressed in visceral than in subcutaneous adipose tissue and is a marker of intra-abdominal fat mass. <i>Cell Metabolism</i> , <b>2007</b> , 6, 79-87	24.6	318
314	Serum vaspin concentrations in human obesity and type 2 diabetes. <i>Diabetes</i> , <b>2008</b> , 57, 372-7	0.9	314
313	Adipocyte dysfunction, inflammation and metabolic syndrome. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2014</b> , 15, 277-87	10.5	301
312	From leptin to other adipokines in health and disease: facts and expectations at the beginning of the 21st century. <i>Metabolism: Clinical and Experimental</i> , <b>2015</b> , 64, 131-45	12.7	261
311	Vaspin gene expression in human adipose tissue: association with obesity and type 2 diabetes. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 339, 430-6	3.4	257
310	The brown fat-enriched secreted factor Nrg4 preserves metabolic homeostasis through attenuation of hepatic lipogenesis. <i>Nature Medicine</i> , <b>2014</b> , 20, 1436-1443	50.5	246
309	MicroRNA expression in human omental and subcutaneous adipose tissue. <i>PLoS ONE</i> , <b>2009</b> , 4, e4699	3.7	243
308	Altered autophagy in human adipose tissues in obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, E268-77	5.6	238
307	Circulating adiponectin and expression of adiponectin receptors in human skeletal muscle: associations with metabolic parameters and insulin resistance and regulation by physical training. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2006</b> , 91, 2310-6	5.6	225
306	Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. <i>PLoS Medicine</i> , <b>2017</b> , 14, e1002383	11.6	223
305	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005378	6	220
304	Adipsin is an adipokine that improves $\beta$ cell function in diabetes. <i>Cell</i> , <b>2014</b> , 158, 41-53	56.2	217
303	Adipose tissue dysfunction contributes to obesity related metabolic diseases. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 27, 163-77	6.5	214
302	The cold-induced lipokine 12,13-diHOME promotes fatty acid transport into brown adipose tissue. <i>Nature Medicine</i> , <b>2017</b> , 23, 631-637	50.5	195
301	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , <b>2018</b> , 50, 26-41	36.3	186
300	Adipokines - removing road blocks to obesity and diabetes therapy. <i>Molecular Metabolism</i> , <b>2014</b> , 3, 230-408		164

299	Effects of weight loss and exercise on chemerin serum concentrations and adipose tissue expression in human obesity. <i>Metabolism: Clinical and Experimental</i> , <b>2012</b> , 61, 706-14	12.7	164
298	Adipose tissue inflammation: a cause or consequence of obesity-related insulin resistance?. <i>Clinical Science</i> , <b>2016</b> , 130, 1603-14	6.5	164
297	Adipose dipeptidyl peptidase-4 and obesity: correlation with insulin resistance and depot-specific release from adipose tissue in vivo and in vitro. <i>Diabetes Care</i> , <b>2013</b> , 36, 4083-90	14.6	155
296	Dietary intervention to reverse carotid atherosclerosis. <i>Circulation</i> , <b>2010</b> , 121, 1200-8	16.7	150
295	Local proliferation of macrophages in adipose tissue during obesity-induced inflammation. <i>Diabetologia</i> , <b>2014</b> , 57, 562-71	10.3	145
294	Metabolically Healthy Obesity. <i>Endocrine Reviews</i> , <b>2020</b> , 41,	27.2	140
293	Effect of a 4 week physical training program on plasma concentrations of inflammatory markers in patients with abnormal glucose tolerance. <i>European Journal of Endocrinology</i> , <b>2006</b> , 154, 577-85	6.5	140
292	Hepatocyte-secreted DPP4 in obesity promotes adipose inflammation and insulin resistance. <i>Nature</i> , <b>2018</b> , 555, 673-677	50.4	137
291	Adipokines in gestational diabetes. <i>Lancet Diabetes and Endocrinology</i> , <b>2014</b> , 2, 488-99	18.1	133
290	Serum levels of the adipokine vaspin in relation to metabolic and renal parameters. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 247-51	5.6	126
289	Mitochondrial gene expression and increased oxidative metabolism: role in increased lifespan of fat-specific insulin receptor knock-out mice. <i>Aging Cell</i> , <b>2007</b> , 6, 827-39	9.9	122
288	Vaspin in obesity and diabetes: pathophysiological and clinical significance. <i>Endocrine</i> , <b>2012</b> , 41, 176-82	4	121
287	Are metabolically healthy obese individuals really healthy?. <i>European Journal of Endocrinology</i> , <b>2014</b> , 171, R209-19	6.5	119
286	Are there still healthy obese patients?. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , <b>2012</b> , 19, 341-6	4	119
285	Serum progranulin concentrations may be associated with macrophage infiltration into omental adipose tissue. <i>Diabetes</i> , <b>2009</b> , 58, 627-36	0.9	118
284	Genetics and epigenetics in obesity. <i>Metabolism: Clinical and Experimental</i> , <b>2019</b> , 92, 37-50	12.7	117
283	Clinical relevance of adipokines. <i>Diabetes and Metabolism Journal</i> , <b>2012</b> , 36, 317-27	5	113
282	Integrated Network Analysis Reveals an Association between Plasma Mannose Levels and Insulin Resistance. <i>Cell Metabolism</i> , <b>2016</b> , 24, 172-84	24.6	105

281	A self-sustained loop of inflammation-driven inhibition of beige adipogenesis in obesity. <i>Nature Immunology</i> , <b>2017</b> , 18, 654-664	19.1	104
280	Interleukin-1beta induces the novel adipokine chemerin in adipocytes in vitro. <i>Regulatory Peptides</i> , <b>2009</b> , 154, 102-6		104
279	Total and high-molecular weight adiponectin in relation to metabolic variables at baseline and in response to an exercise treatment program: comparative evaluation of three assays. <i>Diabetes Care</i> , <b>2007</b> , 30, 280-5	14.6	103
278	Evidence of early alterations in adipose tissue biology and function and its association with obesity-related inflammation and insulin resistance in children. <i>Diabetes</i> , <b>2015</b> , 64, 1249-61	0.9	96
277	Leveraging cross-species transcription factor binding site patterns: from diabetes risk loci to disease mechanisms. <i>Cell</i> , <b>2014</b> , 156, 343-58	56.2	96
276	Two patterns of adipokine and other biomarker dynamics in a long-term weight loss intervention. <i>Diabetes Care</i> , <b>2012</b> , 35, 342-9	14.6	96
275	Autocrine IGF-1 action in adipocytes controls systemic IGF-1 concentrations and growth. <i>Diabetes</i> , <b>2008</b> , 57, 2074-82	0.9	96
274	Vaspin inhibits kallikrein 7 by serpin mechanism. <i>Cellular and Molecular Life Sciences</i> , <b>2013</b> , 70, 2569-83	10.3	95
273	Mitogen-activated protein kinases, inhibitory-kappaB kinase, and insulin signaling in human omental versus subcutaneous adipose tissue in obesity. <i>Endocrinology</i> , <b>2007</b> , 148, 2955-62	4.8	95
272	Effect of Distinct Lifestyle Interventions on Mobilization of Fat Storage Pools: CENTRAL Magnetic Resonance Imaging Randomized Controlled Trial. <i>Circulation</i> , <b>2018</b> , 137, 1143-1157	16.7	95
271	Adipose tissue foam cells are present in human obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 1173-81	5.6	94
270	Analysis of the relationship between the Pro12Ala variant in the PPAR-gamma2 gene and the response rate to therapy with pioglitazone in patients with type 2 diabetes. <i>Diabetes Care</i> , <b>2003</b> , 26, 825-31	14.6	92
269	Adipokine pattern in subjects with impaired fasting glucose and impaired glucose tolerance in comparison to normal glucose tolerance and diabetes. <i>PLoS ONE</i> , <b>2010</b> , 5, e13911	3.7	91
268	Linagliptin improves insulin sensitivity and hepatic steatosis in diet-induced obesity. <i>PLoS ONE</i> , <b>2012</b> , 7, e38744	3.7	85
267	Identification of adipokine clusters related to parameters of fat mass, insulin sensitivity and inflammation. <i>PLoS ONE</i> , <b>2014</b> , 9, e99785	3.7	85
266	The genetics of fat distribution. <i>Diabetologia</i> , <b>2014</b> , 57, 1276-86	10.3	83
265	Effects of weight loss and exercise on apelin serum concentrations and adipose tissue expression in human obesity. <i>Obesity Facts</i> , <b>2013</b> , 6, 57-69	5.1	81
264	Vaspin serum concentrations in patients with carotid stenosis. <i>Atherosclerosis</i> , <b>2009</b> , 204, 262-6	3.1	81

263	The beneficial effects of Mediterranean diet over low-fat diet may be mediated by decreasing hepatic fat content. <i>Journal of Hepatology</i> , <b>2019</b> , 71, 379-388	13.4	80
262	Adipocyte size threshold matters: link with risk of type 2 diabetes and improved insulin resistance after gastric bypass. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, E1466-70	5.6	80
261	Many obesity-associated SNPs strongly associate with DNA methylation changes at proximal promoters and enhancers. <i>Genome Medicine</i> , <b>2015</b> , 7, 103	14.4	79
260	WISP1 is a novel adipokine linked to inflammation in obesity. <i>Diabetes</i> , <b>2015</b> , 64, 856-66	0.9	78
259	Gene expression of adiponectin receptors in human visceral and subcutaneous adipose tissue is related to insulin resistance and metabolic parameters and is altered in response to physical training. <i>Diabetes Care</i> , <b>2007</b> , 30, 3110-5	14.6	78
258	Role of insulin action and cell size on protein expression patterns in adipocytes. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 31902-9	5.4	78
257	Myeloid cell-restricted insulin receptor deficiency protects against obesity-induced inflammation and systemic insulin resistance. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1000938	6	75
256	Intrinsic heterogeneity in adipose tissue of fat-specific insulin receptor knock-out mice is associated with differences in patterns of gene expression. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 31891-901	5.4	75
255	Growth hormone is a positive regulator of adiponectin receptor 2 in 3T3-L1 adipocytes. <i>FEBS Letters</i> , <b>2004</b> , 558, 27-32	3.8	74
254	The Gq signalling pathway inhibits brown and beige adipose tissue. <i>Nature Communications</i> , <b>2016</b> , 7, 10895	17.4	73
253	Activated Ask1-MKK4-p38MAPK/JNK stress signaling pathway in human omental fat tissue may link macrophage infiltration to whole-body Insulin sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 2507-15	5.6	73
252	The SGLT2 inhibitor empagliflozin improves insulin sensitivity in db/db mice both as monotherapy and in combination with linagliptin. <i>Metabolism: Clinical and Experimental</i> , <b>2016</b> , 65, 114-23	12.7	68
251	Elevated autophagy gene expression in adipose tissue of obese humans: A potential non-cell-cycle-dependent function of E2F1. <i>Autophagy</i> , <b>2015</b> , 11, 2074-2088	10.2	66
250	Adipose tissue expression and genetic variants of the bone morphogenetic protein receptor 1A gene (BMPR1A) are associated with human obesity. <i>Diabetes</i> , <b>2009</b> , 58, 2119-28	0.9	65
249	An AMP-activated protein kinase-stabilizing peptide ameliorates adipose tissue wasting in cancer cachexia in mice. <i>Nature Medicine</i> , <b>2016</b> , 22, 1120-1130	50.5	63
248	Extended longevity and insulin signaling in adipose tissue. <i>Experimental Gerontology</i> , <b>2005</b> , 40, 878-83	4.5	63
247	LincRNA H19 protects from dietary obesity by constraining expression of monoallelic genes in brown fat. <i>Nature Communications</i> , <b>2018</b> , 9, 3622	17.4	63
246	Mesenteric Fat Lipolysis Mediates Obesity-Associated Hepatic Steatosis and Insulin Resistance. <i>Diabetes</i> , <b>2016</b> , 65, 140-8	0.9	61

245	Long-term Relapse of Type 2 Diabetes After Roux-en-Y Gastric Bypass: Prediction and Clinical Relevance. <i>Diabetes Care</i> , <b>2018</b> , 41, 2086-2095	14.6	61
244	12-Lipoxygenase Regulates Cold Adaptation and Glucose Metabolism by Producing the Omega-3 Lipid 12-HEPE from Brown Fat. <i>Cell Metabolism</i> , <b>2019</b> , 30, 768-783.e7	24.6	61
243	Serum levels of irisin in gestational diabetes mellitus during pregnancy and after delivery. <i>Cytokine</i> , <b>2014</b> , 65, 153-8	4	59
242	Genome-wide DNA promoter methylation and transcriptome analysis in human adipose tissue unravels novel candidate genes for obesity. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 86-100	8.8	59
241	Positional cloning of zinc finger domain transcription factor Zfp69, a candidate gene for obesity-associated diabetes contributed by mouse locus Nidd/SJL. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000541	6	59
240	Adipose tissue derived bacteria are associated with inflammation in obesity and type 2 diabetes. <i>Gut</i> , <b>2020</b> , 69, 1796-1806	19.2	58
239	Plasma Mannose Levels Are Associated with Incident Type 2 Diabetes and Cardiovascular Disease. <i>Cell Metabolism</i> , <b>2017</b> , 26, 281-283	24.6	56
238	Glypican-4 enhances insulin signaling via interaction with the insulin receptor and serves as a novel adipokine. <i>Diabetes</i> , <b>2012</b> , 61, 2289-98	0.9	56
237	Thy-1 (CD90) promotes bone formation and protects against obesity. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	51
236	A Stat6/Pten Axis Links Regulatory T Cells with Adipose Tissue Function. <i>Cell Metabolism</i> , <b>2017</b> , 26, 475-492.e7	24.6	49
235	Does vitamin D supplementation alter plasma adipokines concentrations? A systematic review and meta-analysis of randomized controlled trials. <i>Pharmacological Research</i> , <b>2016</b> , 107, 360-371	10.2	49
234	Extensive weight loss reveals distinct gene expression changes in human subcutaneous and visceral adipose tissue. <i>Scientific Reports</i> , <b>2015</b> , 5, 14841	4.9	48
233	COL6A3 expression in adipocytes associates with insulin resistance and depends on PPAR $\alpha$ and adipocyte size. <i>Obesity</i> , <b>2014</b> , 22, 1807-13	8	48
232	Thyroid hormone status defines brown adipose tissue activity and browning of white adipose tissues in mice. <i>Scientific Reports</i> , <b>2016</b> , 6, 38124	4.9	48
231	Clinical inertia in individualising care for diabetes: is there time to do more in type 2 diabetes?. <i>Diabetes Therapy</i> , <b>2014</b> , 5, 347-54	3.6	47
230	Adipocyte-Specific Hypoxia-Inducible Factor 2 $\alpha$ Deficiency Exacerbates Obesity-Induced Brown Adipose Tissue Dysfunction and Metabolic Dysregulation. <i>Molecular and Cellular Biology</i> , <b>2016</b> , 36, 376-93	4.8	45
229	Tamoxifen affects glucose and lipid metabolism parameters, causes browning of subcutaneous adipose tissue and transient body composition changes in C57BL/6NTac mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 464, 724-9	3.4	44
228	Relationship Between 12 Adipocytokines and Distinct Components of the Metabolic Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 1015-1023	5.6	44

227	Hypoxia-inducible factor 3A gene expression and methylation in adipose tissue is related to adipose tissue dysfunction. <i>Scientific Reports</i> , <b>2016</b> , 6, 27969	4.9	44
226	The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. <i>Nature Communications</i> , <b>2016</b> , 7, 11869	17.4	43
225	Serum levels of the adipokine progranulin depend on renal function. <i>Diabetes Care</i> , <b>2013</b> , 36, 410-4	14.6	43
224	An inflammatory micro-environment promotes human adipocyte apoptosis. <i>Molecular and Cellular Endocrinology</i> , <b>2011</b> , 339, 105-13	4.4	43
223	Benefits of foods supplemented with vegetable oils rich in linolenic, stearidonic or docosahexaenoic acid in hypertriglyceridemic subjects: a double-blind, randomized, controlled trial. <i>European Journal of Nutrition</i> , <b>2015</b> , 54, 881-93	5.2	42
222	Direct evidence of brown adipocytes in different fat depots in children. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117841	3.7	42
221	Di-(2-Ethylhexyl)-Phthalate (DEHP) Causes Impaired Adipocyte Function and Alters Serum Metabolites. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143190	3.7	41
220	Enzymatic Activity of HPGD in Treg Cells Suppresses Tconv Cells to Maintain Adipose Tissue Homeostasis and Prevent Metabolic Dysfunction. <i>Immunity</i> , <b>2019</b> , 50, 1232-1248.e14	32.3	40
219	Anti-obesity drug discovery: advances and challenges. <i>Nature Reviews Drug Discovery</i> , <b>2021</b> ,	64.1	40
218	Telomere length differences between subcutaneous and visceral adipose tissue in humans. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 457, 426-32	3.4	38
217	Effects of Diet-Modulated Autologous Fecal Microbiota Transplantation on Weight Regain. <i>Gastroenterology</i> , <b>2021</b> , 160, 158-173.e10	13.3	38
216	Regulation of the novel adipokines/ hepatokines fetuin A and fetuin B in gestational diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , <b>2017</b> , 68, 88-94	12.7	36
215	FGF6 and FGF9 regulate UCP1 expression independent of brown adipogenesis. <i>Nature Communications</i> , <b>2020</b> , 11, 1421	17.4	36
214	Bone morphogenetic protein 2 (BMP2) may contribute to partition of energy storage into visceral and subcutaneous fat depots. <i>Obesity</i> , <b>2016</b> , 24, 2092-100	8	36
213	Use and effectiveness of a fixed-ratio combination of insulin degludec/liraglutide (IDegLira) in a real-world population with type 2 diabetes: Results from a European, multicentre, retrospective chart review study. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 954-962	6.7	36
212	Effect of green-Mediterranean diet on intrahepatic fat: the DIRECT PLUS randomised controlled trial. <i>Gut</i> , <b>2021</b> , 70, 2085-2095	19.2	35
211	A microRNA screen reveals that elevated hepatic ectodysplasin A expression contributes to obesity-induced insulin resistance in skeletal muscle. <i>Nature Medicine</i> , <b>2017</b> , 23, 1466-1473	50.5	34
210	Fat tissue and long life. <i>Obesity Facts</i> , <b>2008</b> , 1, 176-82	5.1	34



209	A computational biology approach of a genome-wide screen connected miRNAs to obesity and type 2 diabetes. <i>Molecular Metabolism</i> , <b>2018</b> , 11, 145-159	8.8	33
208	Regulation of adiponectin receptor R1 and R2 gene expression in adipocytes of C57BL/6 mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 329, 1127-32	3.4	33
207	Genetic and evolutionary analyses of the human bone morphogenetic protein receptor 2 (BMP2) in the pathophysiology of obesity. <i>PLoS ONE</i> , <b>2011</b> , 6, e16155	3.7	33
206	Liver ASK1 protects from non-alcoholic fatty liver disease and fibrosis. <i>EMBO Molecular Medicine</i> , <b>2019</b> , 11, e10124	12	30
205	Elevated Plasma Levels of 3-Hydroxyisobutyric Acid Are Associated With Incident Type 2 Diabetes. <i>EBioMedicine</i> , <b>2018</b> , 27, 151-155	8.8	30
204	STK25 is a critical determinant in nonalcoholic steatohepatitis. <i>FASEB Journal</i> , <b>2016</b> , 30, 3628-3643	0.9	30
203	microRNA-379 couples glucocorticoid hormones to dysfunctional lipid homeostasis. <i>EMBO Journal</i> , <b>2015</b> , 34, 344-60	13	30
202	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , <b>2021</b> , 12, 24	17.4	30
201	Protein kinase STK25 controls lipid partitioning in hepatocytes and correlates with liver fat content in humans. <i>Diabetologia</i> , <b>2016</b> , 59, 341-53	10.3	29
200	Vaspin suppresses cytokine-induced inflammation in 3T3-L1 adipocytes via inhibition of NFB pathway. <i>Molecular and Cellular Endocrinology</i> , <b>2018</b> , 460, 181-188	4.4	29
199	Fas and FasL expression in human adipose tissue is related to obesity, insulin resistance, and type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, E36-44	5.6	28
198	Identification of genetic loci associated with different responses to high-fat diet-induced obesity in C57BL/6N and C57BL/6J substrains. <i>Physiological Genomics</i> , <b>2014</b> , 46, 377-84	3.6	28
197	Growth hormone induces apelin mRNA expression and secretion in mouse 3T3-L1 adipocytes. <i>Regulatory Peptides</i> , <b>2007</b> , 139, 84-9		28
196	The obesity-induced transcriptional regulator TRIP-Br2 mediates visceral fat endoplasmic reticulum stress-induced inflammation. <i>Nature Communications</i> , <b>2016</b> , 7, 11378	17.4	28
195	Fat depot-specific expression of HOXC9 and HOXC10 may contribute to adverse fat distribution and related metabolic traits. <i>Obesity</i> , <b>2016</b> , 24, 51-9	8	28
194	Importance of estrogen receptors in adipose tissue function. <i>Molecular Metabolism</i> , <b>2013</b> , 2, 130-2	8.8	27
193	A novel thermoregulatory role for PDE10A in mouse and human adipocytes. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 796-812	12	27
192	PPAR $\beta$ , a Naturally Occurring Dominant-Negative Splice Isoform, Impairs PPAR $\alpha$ Function and Adipocyte Differentiation. <i>Cell Reports</i> , <b>2018</b> , 25, 1577-1592.e6	10.6	27

191	Mitofusin 2 in Mature Adipocytes Controls Adiposity and Body Weight. <i>Cell Reports</i> , <b>2019</b> , 26, 2849-2858.e4	26	26
190	Perturbation of the Monocyte Compartment in Human Obesity. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1874	8.4	26
189	Circulating chemerin decreases in response to a combined strength and endurance training. <i>Endocrine</i> , <b>2014</b> , 45, 382-91	4	26
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186	Interplay between Obesity-Induced Inflammation and cGMP Signaling in White Adipose Tissue. <i>Cell Reports</i> , <b>2017</b> , 18, 225-236	10.6	24
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181	Vaspin—a link of obesity and psoriasis?. <i>Experimental Dermatology</i> , <b>2012</b> , 21, 309-12	4	24
180	Serum vaspin concentrations are decreased after exercise-induced oxidative stress. <i>Obesity Facts</i> , <b>2010</b> , 3, 328-31	5.1	24
179	Effects of Weight Loss on Glutathione Peroxidase 3 Serum Concentrations and Adipose Tissue Expression in Human Obesity. <i>Obesity Facts</i> , <b>2018</b> , 11, 475-490	5.1	24
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72	Central noradrenaline transporter availability is linked with HPA axis responsiveness and copeptin in human obesity and non-obese controls. <i>Stress</i> , <b>2019</b> , 22, 93-102	3	5
71	Comorbidities as an Indication for Metabolic Surgery. <i>Visceral Medicine</i> , <b>2018</b> , 34, 381-387	2.4	5
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55	Identification of a regulatory pathway inhibiting adipogenesis via RSPO2.. <i>Nature Metabolism</i> , <b>2022</b> ,	14.6	3
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42	An antisense transcript transcribed from Irs2 locus contributes to the pathogenesis of hepatic steatosis in insulin resistance.. <i>Cell Chemical Biology</i> , <b>2021</b> ,	8.2	2
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28	Deletion of pancreas-specific miR-216a reduces beta-cell mass and inhibits pancreatic cancer progression in mice. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100434	18	1
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26	Tamoxifen treatment causes early hepatic insulin resistance. <i>Acta Diabetologica</i> , <b>2020</b> , 57, 495-498	3.9	1
25	Abdominal subcutaneous fat quantification in obese patients from limited field-of-view MRI data. <i>Scientific Reports</i> , <b>2020</b> , 10, 19039	4.9	1
24	Effects of Whole-Body Adenylyl Cyclase 5 () Deficiency on Systemic Insulin Sensitivity and Adipose Tissue. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
23	HAND2 is a novel obesity-linked adipogenic transcription factor regulated by glucocorticoid signalling. <i>Diabetologia</i> , <b>2021</b> , 64, 1850-1865	10.3	1
22	Interleukin-15 and irisin serum concentrations are not related to cardiometabolic risk factors in patients with type 2 diabetes from Korea and Germany. <i>Acta Diabetologica</i> , <b>2020</b> , 57, 381-384	3.9	1
21	Inflammation: zwischen Adipositas, Diabetes und Sport. <i>Diabetologe</i> , <b>2021</b> , 17, 141-148	0.2	1
20	A novel compound heterozygous leptin receptor mutation causes more severe obesity than in Lepr mice. <i>Journal of Lipid Research</i> , <b>2021</b> , 62, 100105	6.3	1
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18	Oncostatin M suppresses browning of white adipocytes via gp130-STAT3 signaling. <i>Molecular Metabolism</i> , <b>2021</b> , 54, 101341	8.8	1
17	Hepatocyte-specific activity of TSC22D4 triggers progressive NAFLD by impairing mitochondrial function.. <i>Molecular Metabolism</i> , <b>2022</b> , 101487	8.8	1
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14	Obesity Hinders the Protective Effect of Selenite Supplementation on Insulin Signaling. <i>Antioxidants</i> , <b>2022</b> , 11, 862	7.1	1
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