

Matthias Blher

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.

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	Identification of a regulatory pathway inhibiting adipogenesis via RSPO2.. <i>Nature Metabolism</i> , 2022 ,	14.6	3
333	A macrophage-hepatocyte glucocorticoid receptor axis coordinates fasting ketogenesis.. <i>Cell Metabolism</i> , 2022 ,	24.6	1
332	The effect of a high-polyphenol Mediterranean diet (GREEN-MED) combined with physical activity on age-related brain atrophy: the DIRECT PLUS randomized controlled trial.. <i>American Journal of Clinical Nutrition</i> , 2022 ,	7	4
331	Impairment of gut microbial biotin metabolism and host biotin status in severe obesity: effect of biotin and prebiotic supplementation on improved metabolism.. <i>Gut</i> , 2022 ,	19.2	5
330	Functional predictors of treatment induced diabetic neuropathy (TIND): a prospective pilot study using clinical and neurophysiological functional tests.. <i>Diabetology and Metabolic Syndrome</i> , 2022 , 14, 35	5.6	
329	Managing weight and glycaemic targets in people with type 2 diabetes-How far have we come?. <i>Endocrinology, Diabetes and Metabolism</i> , 2022 , e00330	2.7	0
328	Hepatocyte-specific activity of TSC22D4 triggers progressive NAFLD by impairing mitochondrial function.. <i>Molecular Metabolism</i> , 2022 , 101487	8.8	1
327	Report from the CVOT Summit 2021: new cardiovascular, renal, and glycemic outcomes.. <i>Cardiovascular Diabetology</i> , 2022 , 21, 50	8.7	1
326	Di-(2-ethylhexyl) phthalate substitutes accelerate human adipogenesis through PPAR α activation and cause oxidative stress and impaired metabolic homeostasis in mature adipocytes.. <i>Environment International</i> , 2022 , 164, 107279	12.9	0
325	Obesity Hinders the Protective Effect of Selenite Supplementation on Insulin Signaling. <i>Antioxidants</i> , 2022 , 11, 862	7.1	1
324	An antisense transcript transcribed from <i>Irs2</i> locus contributes to the pathogenesis of hepatic steatosis in insulin resistance.. <i>Cell Chemical Biology</i> , 2021 ,	8.2	2
323	m6A Regulators in Human Adipose Tissue - Depot-Specificity and Correlation With Obesity.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 778875	5.7	1
322	Phenotype-tissue expression and exploration (PTEE) resource facilitates the choice of tissue for RNA-seq-based clinical genetics studies. <i>BMC Genomics</i> , 2021 , 22, 802	4.5	0
321	Deletion of pancreas-specific miR-216a reduces beta-cell mass and inhibits pancreatic cancer progression in mice. <i>Cell Reports Medicine</i> , 2021 , 2, 100434	18	1
320	Anti-obesity drug discovery: advances and challenges. <i>Nature Reviews Drug Discovery</i> , 2021 ,	64.1	40
319	Interplay between adipose tissue secreted proteins, eating behavior and obesity. <i>European Journal of Nutrition</i> , 2021 , 1	5.2	2
318	Inflammatory Mechanisms in the Pathophysiology of Diabetic Peripheral Neuropathy (DN)-New Aspects. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6

317	STE20-type kinase TAOK3 regulates hepatic lipid partitioning. <i>Molecular Metabolism</i> , 2021 , 54, 101353	8.8	1
316	Leptin counteracts hypothermia in hypothyroidism through its pyrexia effects and by stabilizing serum thyroid hormone levels. <i>Molecular Metabolism</i> , 2021 , 54, 101348	8.8	3
315	Obesity and Diabetes. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2021 , 129, S44-S51	2.3	2
314	Tart Cherry Juice and Seeds Affect Pro-Inflammatory Markers in Visceral Adipose Tissue of High-Fat Diet Obese Rats. <i>Molecules</i> , 2021 , 26,	4.8	7
313	Liver alanine catabolism promotes skeletal muscle atrophy and hyperglycaemia in type 2 diabetes. <i>Nature Metabolism</i> , 2021 , 3, 394-409	14.6	15
312	Lifestyle weight-loss intervention may attenuate methylation aging: the CENTRAL MRI randomized controlled trial. <i>Clinical Epigenetics</i> , 2021 , 13, 48	7.7	2
311	Active integrins regulate white adipose tissue insulin sensitivity and brown fat thermogenesis. <i>Molecular Metabolism</i> , 2021 , 45, 101147	8.8	13
310	Effects of Whole-Body Adenylyl Cyclase 5 () Deficiency on Systemic Insulin Sensitivity and Adipose Tissue. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
309	Contribution of Adipose Tissue Oxidative Stress to Obesity-Associated Diabetes Risk and Ethnic Differences: Focus on Women of African Ancestry. <i>Antioxidants</i> , 2021 , 10,	7.1	4
308	HAND2 is a novel obesity-linked adipogenic transcription factor regulated by glucocorticoid signalling. <i>Diabetologia</i> , 2021 , 64, 1850-1865	10.3	1
307	Orphan GPR116 mediates the insulin sensitizing effects of the hepatokine FNDC4 in adipose tissue. <i>Nature Communications</i> , 2021 , 12, 2999	17.4	8
306	Exposure to endocrine-disrupting compounds such as phthalates and bisphenol A is associated with an increased risk for obesity. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2021 , 35, 101546	6.5	8
305	Effects of lifestyle interventions on epigenetic signatures of liver fat: Central randomized controlled trial. <i>Liver International</i> , 2021 , 41, 2101-2111	7.9	3
304	Multinucleated Giant Cells in Adipose Tissue Are Specialized in Adipocyte Degradation. <i>Diabetes</i> , 2021 , 70, 538-548	0.9	7
303	Identification of a novel leptin receptor (LEPR) variant and proof of functional relevance directing treatment decisions in patients with morbid obesity. <i>Metabolism: Clinical and Experimental</i> , 2021 , 116, 154438	12.7	6
302	Reduced lipolysis in lipoma phenocopies lipid accumulation in obesity. <i>International Journal of Obesity</i> , 2021 , 45, 565-576	5.5	6
301	Circulating cell adhesion molecules in metabolically healthy obesity. <i>International Journal of Obesity</i> , 2021 , 45, 331-336	5.5	9
300	Effects of Diet-Modulated Autologous Fecal Microbiota Transplantation on Weight Regain. <i>Gastroenterology</i> , 2021 , 160, 158-173.e10	13.3	38

299	Inflammation: zwischen Adipositas, Diabetes und Sport. <i>Diabetologe</i> , 2021 , 17, 141-148	0.2	1
298	Role of the Neutral Amino Acid Transporter SLC7A10 in Adipocyte Lipid Storage, Obesity, and Insulin Resistance. <i>Diabetes</i> , 2021 , 70, 680-695	0.9	8
297	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. <i>Nature Communications</i> , 2021 , 12, 24	17.4	30
296	Emerging Role of Bone Morphogenetic Protein 4 in Metabolic Disorders. <i>Diabetes</i> , 2021 , 70, 303-312	0.9	3
295	Effect of green-Mediterranean diet on intrahepatic fat: the DIRECT PLUS randomised controlled trial. <i>Gut</i> , 2021 , 70, 2085-2095	19.2	35
294	A novel compound heterozygous leptin receptor mutation causes more severe obesity than in Lepr mice. <i>Journal of Lipid Research</i> , 2021 , 62, 100105	6.3	1
293	Does C-C Motif Chemokine Ligand 2 (CCL2) Link Obesity to a Pro-Inflammatory State?. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	11
292	Treatment-Induced Neuropathy in Diabetes (TIND)-Developing a Disease Model in Type 1 Diabetic Rats. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
291	Retinol-binding protein 4 in obesity and metabolic dysfunctions. <i>Molecular and Cellular Endocrinology</i> , 2021 , 531, 111312	4.4	6
290	Activation of Endogenous HS Biosynthesis or Supplementation with Exogenous HS Enhances Adipose Tissue Adipogenesis and Preserves Adipocyte Physiology in Humans. <i>Antioxidants and Redox Signaling</i> , 2021 , 35, 319-340	8.4	8
289	Adipositas Disease Management Programm?. <i>Adipositas - Ursachen Folgeerkrankungen Therapie</i> , 2021 , 15, 138-142	0.2	1
288	Oncostatin M suppresses browning of white adipocytes via gp130-STAT3 signaling. <i>Molecular Metabolism</i> , 2021 , 54, 101341	8.8	1
287	Adipose expression of CREB3L3 modulates body weight during obesity. <i>Scientific Reports</i> , 2021 , 11, 19400	0.9	0
286	: A reference lipidome for human white adipose tissue. <i>Cell Reports Medicine</i> , 2021 , 2, 100407	18	6
285	Genetic Variation in Sodium-glucose Cotransporter 2 and Heart Failure. <i>Clinical Pharmacology and Therapeutics</i> , 2021 , 110, 149-158	6.1	4
284	TNF α Mediates Inflammation-Induced Effects on Splicing in Adipose Tissue and Mesenchymal Precursor Cells.. <i>Cells</i> , 2021 , 11,	7.9	1
283	In Depth Quantitative Proteomic and Transcriptomic Characterization of Human Adipocyte Differentiation Using the SGBS Cell Line. <i>Proteomics</i> , 2020 , 20, e1900405	4.8	3
282	In-Vitro-Generated Hypertrophic-Like Adipocytes Displaying Isoforms Unbalance Recapitulate Adipocyte Dysfunctions In Vivo. <i>Cells</i> , 2020 , 9,	7.9	4

281	Circulating and Adipose Tissue Fatty Acid Composition in Black South African Women with Obesity: A Cross-Sectional Study. <i>Nutrients</i> , 2020 , 12,	6.7	1
280	FGF6 and FGF9 regulate UCP1 expression independent of brown adipogenesis. <i>Nature Communications</i> , 2020 , 11, 1421	17.4	36
279	The Novel Adipokine Gremlin 1 Antagonizes Insulin Action and Is Increased in Type 2 Diabetes and NAFLD/NASH. <i>Diabetes</i> , 2020 , 69, 331-341	0.9	14
278	Metabolically Healthy Obesity. <i>Endocrine Reviews</i> , 2020 , 41,	27.2	140
277	Higher Mast Cell Accumulation in Human Adipose Tissues Defines Clinically Favorable Obesity Sub-Phenotypes. <i>Cells</i> , 2020 , 9,	7.9	6
276	Distinct abdominal and gluteal adipose tissue transcriptome signatures are altered by exercise training in African women with obesity. <i>Scientific Reports</i> , 2020 , 10, 10240	4.9	7
275	Adenosine/A2B Receptor Signaling Ameliorates the Effects of Aging and Counteracts Obesity. <i>Cell Metabolism</i> , 2020 , 32, 56-70.e7	24.6	24
274	Obesity-Induced Increase in Cystatin C Alleviates Tissue Inflammation. <i>Diabetes</i> , 2020 , 69, 1927-1935	0.9	9
273	Exercise Training Alters Red Blood Cell Fatty Acid Desaturase Indices and Adipose Tissue Fatty Acid Profile in African Women with Obesity. <i>Obesity</i> , 2020 , 28, 1456-1466	8	4
272	An MRM-Based Multiplexed Quantification Assay for Human Adipokines and Apolipoproteins. <i>Molecules</i> , 2020 , 25,	4.8	4
271	HLA Class II Allele Analyses Implicate Common Genetic Components in Type 1 and Non-Insulin-Treated Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	4
270	A Human REPIN1 Gene Variant: Genetic Risk Factor for the Development of Nonalcoholic Fatty Liver Disease. <i>Clinical and Translational Gastroenterology</i> , 2020 , 11, e00114	4.2	1
269	Adipocytokines are not associated with gestational diabetes mellitus but with pregnancy status. <i>Cytokine</i> , 2020 , 131, 155088	4	5
268	The influence of equine body weight gain on inflammatory cytokine expressions of adipose tissue in response to endotoxin challenge. <i>Acta Veterinaria Scandinavica</i> , 2020 , 62, 17	2	0
267	The effect of green Mediterranean diet on cardiometabolic risk; a randomised controlled trial. <i>Heart</i> , 2020 ,	5.1	14
266	GPx3 dysregulation impacts adipose tissue insulin receptor expression and sensitivity. <i>JCI Insight</i> , 2020 , 5,	9.9	11
265	Consequences of Obesity on the Sense of Taste: Taste Buds as Treatment Targets?. <i>Diabetes and Metabolism Journal</i> , 2020 , 44, 509-528	5	20
264	Diabetes and Obesity. <i>Endocrinology</i> , 2020 , 1-49	0.1	0

263	A tissue-specific screen of ceramide expression in aged mice identifies ceramide synthase-1 and ceramide synthase-5 as potential regulators of fiber size and strength in skeletal muscle. <i>Aging Cell</i> , 2020 , 19, e13049	9.9	6
262	Tamoxifen treatment causes early hepatic insulin resistance. <i>Acta Diabetologica</i> , 2020 , 57, 495-498	3.9	1
261	NPYR-targeted peptide-mediated delivery of a dual PPAR α agonist to adipocytes enhances adipogenesis and prevents diabetes progression. <i>Molecular Metabolism</i> , 2020 , 31, 163-180	8.8	10
260	Changes in systemic and subcutaneous adipose tissue inflammation and oxidative stress in response to exercise training in obese black African women. <i>Journal of Physiology</i> , 2020 , 598, 503-515	3.9	9
259	The Obesity-Susceptibility Gene TMEM18 Promotes Adipogenesis through Activation of PPAR γ . <i>Cell Reports</i> , 2020 , 33, 108295	10.6	7
258	Accumulation of distinct persistent organic pollutants is associated with adipose tissue inflammation. <i>Science of the Total Environment</i> , 2020 , 748, 142458	10.2	14
257	Identification of distinct transcriptome signatures of human adipose tissue from fifteen depots. <i>European Journal of Human Genetics</i> , 2020 , 28, 1714-1725	5.3	13
256	Nicotinamide Nucleotide Transhydrogenase (Nnt) is Related to Obesity in Mice. <i>Hormone and Metabolic Research</i> , 2020 , 52, 877-881	3.1	2
255	COL6A3 expression in adipose tissue cells is associated with levels of the homeobox transcription factor PRRX1. <i>Scientific Reports</i> , 2020 , 10, 20164	4.9	4
254	DNA methylation signature in blood mirrors successful weight-loss during lifestyle interventions: the CENTRAL trial. <i>Genome Medicine</i> , 2020 , 12, 97	14.4	9
253	Estimation of abdominal subcutaneous fat volume of obese adults from single-slice MRI data - Regression coefficients and agreement. <i>European Journal of Radiology</i> , 2020 , 130, 109184	4.7	2
252	A TRAIL-TL1A Paracrine Network Involving Adipocytes, Macrophages, and Lymphocytes Induces Adipose Tissue Dysfunction Downstream of E2F1 in Human Obesity. <i>Diabetes</i> , 2020 , 69, 2310-2323	0.9	7
251	COMP-Ang-1 Improves Glucose Uptake in db/db Mice with Type 2 Diabetes. <i>Hormone and Metabolic Research</i> , 2020 , 52, 685-688	3.1	
250	Effects of Exercise on ACE2. <i>Obesity</i> , 2020 , 28, 2266-2267	8	6
249	Abdominal subcutaneous fat quantification in obese patients from limited field-of-view MRI data. <i>Scientific Reports</i> , 2020 , 10, 19039	4.9	1
248	Increased circulating cell-free DNA in insulin resistance. <i>Diabetes and Metabolism</i> , 2020 , 46, 249-252	5.4	2
247	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> , 2020 , 57, 381-384	3.9	1
246	Role of the DNA repair genes and in human fat distribution and lipid profiles. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	3

245	Adipose tissue derived bacteria are associated with inflammation in obesity and type 2 diabetes. <i>Gut</i> , 2020 , 69, 1796-1806	19.2	58
244	EHD2-mediated restriction of caveolar dynamics regulates cellular fatty acid uptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7471-7481	11.5	18
243	Neuregulin 4: A "Hotline" Between Brown Fat and Liver. <i>Obesity</i> , 2019 , 27, 1555-1557	8	11
242	Five-Year Outcomes of Gastric Bypass in Adolescents as Compared with Adults. <i>New England Journal of Medicine</i> , 2019 , 381, e17	59.2	7
241	Leptin stimulates autophagy/lysosome-related degradation of long-lived proteins in adipocytes. <i>Adipocyte</i> , 2019 , 8, 51-60	3.2	10
240	(Epi)genetic regulation of CRTCL1 in human eating behaviour and fat distribution. <i>EBioMedicine</i> , 2019 , 44, 476-488	8.8	10
239	Liver ASK1 protects from non-alcoholic fatty liver disease and fibrosis. <i>EMBO Molecular Medicine</i> , 2019 , 11, e10124	12	30
238	Protein kinase MST3 modulates lipid homeostasis in hepatocytes and correlates with nonalcoholic steatohepatitis in humans. <i>FASEB Journal</i> , 2019 , 33, 9974-9989	0.9	9
237	Exome-Derived Adiponectin-Associated Variants Implicate Obesity and Lipid Biology. <i>American Journal of Human Genetics</i> , 2019 , 105, 15-28	11	12
236	The beneficial effects of Mediterranean diet over low-fat diet may be mediated by decreasing hepatic fat content. <i>Journal of Hepatology</i> , 2019 , 71, 379-388	13.4	80
235	The Effect of Mankai, a Green Aquatic Plant, on Postprandial Glycemic Response: A Randomized Crossover Controlled Trial. <i>Diabetes Care</i> , 2019 , 42, 1162-1169	14.6	13
234	Enzymatic Activity of HPGD in Treg Cells Suppresses Tconv Cells to Maintain Adipose Tissue Homeostasis and Prevent Metabolic Dysfunction. <i>Immunity</i> , 2019 , 50, 1232-1248.e14	32.3	40
233	Circulating Adipokine VASPIN Is Associated with Serum Lipid Profiles in Humans. <i>Lipids</i> , 2019 , 54, 203-210	0.6	5
232	Inflammation des Fettgewebes. <i>Diabetologe</i> , 2019 , 15, 296-304	0.2	1
231	A Green-Mediterranean Diet, Supplemented with Mankai Duckweed, Preserves Iron-Homeostasis in Humans and Is Efficient in Reversal of Anemia in Rats. <i>Journal of Nutrition</i> , 2019 , 149, 1004-1011	4.1	21
230	Mitofusin 2 in Mature Adipocytes Controls Adiposity and Body Weight. <i>Cell Reports</i> , 2019 , 26, 2849-2858.e46	14.6	26
229	The Role of Iron and Nerve Inflammation in Diabetes Mellitus Type 2-Induced Peripheral Neuropathy. <i>Neuroscience</i> , 2019 , 406, 496-509	3.9	14
228	Adipokine & klinische Bedeutung. <i>Adipositas - Ursachen Folgeerkrankungen Therapie</i> , 2019 , 13, 6-13	0.2	2

227	Metabolic effects of genetic variation in the human REPIN1 gene. <i>International Journal of Obesity</i> , 2019 , 43, 821-831	5.5	3
226	Perturbation of the Monocyte Compartment in Human Obesity. <i>Frontiers in Immunology</i> , 2019 , 10, 1874	8.4	26
225	Short-term cold exposure supports human Treg induction in vivo. <i>Molecular Metabolism</i> , 2019 , 28, 73-82	8.8	8
224	12-Lipoxygenase Regulates Cold Adaptation and Glucose Metabolism by Producing the Omega-3 Lipid 12-HEPE from Brown Fat. <i>Cell Metabolism</i> , 2019 , 30, 768-783.e7	24.6	61
223	Hepatic Rab24 controls blood glucose homeostasis via improving mitochondrial plasticity. <i>Nature Metabolism</i> , 2019 , 1, 1009-1026	14.6	13
222	Atg7 Knockdown Reduces Chemerin Secretion in Murine Adipocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 5715-5728	5.6	4
221	Impact of body weight gain on hepatic metabolism and hepatic inflammatory cytokines in comparison of Shetland pony geldings and Warmblood horse geldings. <i>PeerJ</i> , 2019 , 7, e7069	3.1	6
220	Effects of a blend of green tea and curcuma extract supplementation on lipopolysaccharide-induced inflammation in horses and ponies. <i>PeerJ</i> , 2019 , 7, e8053	3.1	4
219	Diabetes and Obesity. <i>Endocrinology</i> , 2019 , 1-49	0.1	
218	Obesity: global epidemiology and pathogenesis. <i>Nature Reviews Endocrinology</i> , 2019 , 15, 288-298	15.2	1094
217	The role of dietary non-heme iron load and peripheral nerve inflammation in the development of peripheral neuropathy (PN) in obese non-diabetic leptin-deficient ob/ob mice. <i>Neurological Research</i> , 2019 , 41, 341-353	2.7	8
216	Genetics and epigenetics in obesity. <i>Metabolism: Clinical and Experimental</i> , 2019 , 92, 37-50	12.7	117
215	Central noradrenaline transporter availability is linked with HPA axis responsiveness and copeptin in human obesity and non-obese controls. <i>Stress</i> , 2019 , 22, 93-102	3	5
214	Development of insulin resistance in Nischarin mutant female mice. <i>International Journal of Obesity</i> , 2019 , 43, 1046-1057	5.5	3
213	Increased Ifi202b/IFI16 expression stimulates adipogenesis in mice and humans. <i>Diabetologia</i> , 2018 , 61, 1167-1179	10.3	11
212	Noradrenaline transporter availability on [C]MRB PET predicts weight loss success in highly obese adults. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 1618-1625	8.8	2
211	Diabetes and Obesity. <i>Endocrinology</i> , 2018 , 1-49	0.1	
210	Development of a mouse IgA monoclonal antibody-based enzyme-linked immunosorbent sandwich assay for the analyses of RBP4. <i>Scientific Reports</i> , 2018 , 8, 2578	4.9	1

209	The effect of long-term weight-loss intervention strategies on the dynamics of pancreatic-fat and morphology: An MRI RCT study. <i>Clinical Nutrition ESPEN</i> , 2018 , 24, 82-89	1.3	5
208	Effect of wine on carotid atherosclerosis in type 2 diabetes: a 2-year randomized controlled trial. <i>European Journal of Clinical Nutrition</i> , 2018 , 72, 871-878	5.2	12
207	Genome-wide meta-analysis identifies novel determinants of circulating serum progranulin. <i>Human Molecular Genetics</i> , 2018 , 27, 546-558	5.6	7
206	Elevated Plasma Levels of 3-Hydroxyisobutyric Acid Are Associated With Incident Type 2 Diabetes. <i>EBioMedicine</i> , 2018 , 27, 151-155	8.8	30
205	A computational biology approach of a genome-wide screen connected miRNAs to obesity and type 2 diabetes. <i>Molecular Metabolism</i> , 2018 , 11, 145-159	8.8	33
204	Hepatocyte-secreted DPP4 in obesity promotes adipose inflammation and insulin resistance. <i>Nature</i> , 2018 , 555, 673-677	50.4	137
203	Relationship Between 12 Adipocytokines and Distinct Components of the Metabolic Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 1015-1023	5.6	44
202	Changes of renal sinus fat and renal parenchymal fat during an 18-month randomized weight loss trial. <i>Clinical Nutrition</i> , 2018 , 37, 1145-1153	5.9	18
201	Ablation of kallikrein 7 (KLK7) in adipose tissue ameliorates metabolic consequences of high-fat diet-induced obesity by counteracting adipose tissue inflammation in vivo. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 727-742	10.3	16
200	DNA methylation of SSPN is linked to adipose tissue distribution and glucose metabolism. <i>FASEB Journal</i> , 2018 , 32, fj201800528R	0.9	4
199	Long-term Relapse of Type 2 Diabetes After Roux-en-Y Gastric Bypass: Prediction and Clinical Relevance. <i>Diabetes Care</i> , 2018 , 41, 2086-2095	14.6	61
198	Diagnostic Accuracy of Protein Glycation Sites in Long-Term Controlled Patients with Type 2 Diabetes Mellitus and Their Prognostic Potential for Early Diagnosis. <i>Pharmaceuticals</i> , 2018 , 11,	5.2	8
197	p8 deficiency leads to elevated pancreatic beta cell mass but does not contribute to insulin resistance in mice fed with high-fat diet. <i>PLoS ONE</i> , 2018 , 13, e0201159	3.7	2
196	Differential effects of high-fat diet and exercise training on bone and energy metabolism. <i>Bone</i> , 2018 , 116, 120-134	4.7	24
195	Knowledge and practice regarding the German and the EASL-EASD-EASO NAFLD-guidelines among members of the German Obesity Society. <i>Digestive and Liver Disease</i> , 2018 , 50, 731-733	3.3	2
194	Thy-1 (CD90) promotes bone formation and protects against obesity. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	51
193	Loss of periostin occurs in aging adipose tissue of mice and its genetic ablation impairs adipose tissue lipid metabolism. <i>Aging Cell</i> , 2018 , 17, e12810	9.9	17
192	A collective diabetes cross in combination with a computational framework to dissect the genetics of human obesity and Type 2 diabetes. <i>Human Molecular Genetics</i> , 2018 , 27, 3099-3112	5.6	13

191	Vaspin suppresses cytokine-induced inflammation in 3T3-L1 adipocytes via inhibition of NFB pathway. <i>Molecular and Cellular Endocrinology</i> , 2018 , 460, 181-188	4.4	29
190	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018 , 50, 26-41	36.3	186
189	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> , 2018 , 20, 954-962	6.7	36
188	Effect of Distinct Lifestyle Interventions on Mobilization of Fat Storage Pools: CENTRAL Magnetic Resonance Imaging Randomized Controlled Trial. <i>Circulation</i> , 2018 , 137, 1143-1157	16.7	95
187	PPAR β , a Naturally Occurring Dominant-Negative Splice Isoform, Impairs PPAR α Function and Adipocyte Differentiation. <i>Cell Reports</i> , 2018 , 25, 1577-1592.e6	10.6	27
186	Effects of Weight Loss on Glutathione Peroxidase 3 Serum Concentrations and Adipose Tissue Expression in Human Obesity. <i>Obesity Facts</i> , 2018 , 11, 475-490	5.1	24
185	Comorbidities as an Indication for Metabolic Surgery. <i>Visceral Medicine</i> , 2018 , 34, 381-387	2.4	5
184	Gene expression profiling in adipose tissue of Sprague Dawley rats identifies olfactory receptor 984 as a potential obesity treatment target. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 505, 801-806	3.4	4
183	Diabetes and Obesity. <i>Endocrinology</i> , 2018 , 1-49	0.1	2
182	LincRNA H19 protects from dietary obesity by constraining expression of monoallelic genes in brown fat. <i>Nature Communications</i> , 2018 , 9, 3622	17.4	63
181	Plasma levels of free fatty acids correlate with type 2 diabetes mellitus. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 2661-2669	6.7	20
180	Characterization of chemical-induced sterile inflammation in vitro: application of the model compound ketoconazole in a human hepatic co-culture system. <i>Archives of Toxicology</i> , 2017 , 91, 799-810 ^{5.8}	5.8	21
179	Interplay between Obesity-Induced Inflammation and cGMP Signaling in White Adipose Tissue. <i>Cell Reports</i> , 2017 , 18, 225-236	10.6	24
178	Regulation of the novel adipokines/ hepatokines fetuin A and fetuin B in gestational diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2017 , 68, 88-94	12.7	36
177	Central noradrenaline transporter availability in highly obese, non-depressed individuals. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 1056-1064	8.8	16
176	Post-dexamethasone serum copeptin corresponds to HPA axis responsiveness in human obesity. <i>Psychoneuroendocrinology</i> , 2017 , 78, 39-47	5	6
175	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> , 2017 , 389, 1399-1409	40	324
174	Intrahepatic fat, abdominal adipose tissues, and metabolic state: magnetic resonance imaging study. <i>Diabetes/Metabolism Research and Reviews</i> , 2017 , 33, e2888	7.5	10

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10	Extended longevity and insulin signaling in adipose tissue. <i>Experimental Gerontology</i> , 2005 , 40, 878-83	4.5	63
9	Plasma visfatin concentrations and fat depot-specific mRNA expression in humans. <i>Diabetes</i> , 2005 , 54, 2911-6	0.9	540
8	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> , 2004 , 279, 31891-901	5.4	75
7	Role of insulin action and cell size on protein expression patterns in adipocytes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 31902-9	5.4	78
6	Growth hormone is a positive regulator of adiponectin receptor 2 in 3T3-L1 adipocytes. <i>FEBS Letters</i> , 2004 , 558, 27-32	3.8	74
5	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> , 2003 , 26, 825-31	14.6	92
4	Extended longevity in mice lacking the insulin receptor in adipose tissue. <i>Science</i> , 2003 , 299, 572-4	33.3	1076
3	Adipose tissue selective insulin receptor knockout protects against obesity and obesity-related glucose intolerance. <i>Developmental Cell</i> , 2002 , 3, 25-38	10.2	635
2	Influence of dietary intake and physical activity on annual rhythm of human blood cholesterol concentrations. <i>Chronobiology International</i> , 2001 , 18, 541-57	3.6	26
1	EHD2-mediated restriction of caveolar dynamics regulates cellular lipid uptake		5