Matthias BlÃ¼her

List of Publications by Year
in descending order

355 papers	40,869 citations	4388 86 h-index	3034 188 g-index
371 all docs	371 docs citations	371 times ranked	52171 citing authors

#	Article	IF	Citations
1	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	27.8	3,823
2	Obesity: global epidemiology and pathogenesis. Nature Reviews Endocrinology, 2019, 15, 288-298.	9.6	2,603
3	Defining the role of common variation in the genomic and biological architecture of adult human height. Nature Genetics, 2014, 46, 1173-1186.	21.4	1,818
4	Weight Loss with a Low-Carbohydrate, Mediterranean, or Low-Fat Diet. New England Journal of Medicine, 2008, 359, 229-241.	27.0	1,780
5	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	27.8	1,328
6	Antioxidants prevent health-promoting effects of physical exercise in humans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8665-8670.	7.1	1,315
7	Extended Longevity in Mice Lacking the Insulin Receptor in Adipose Tissue. Science, 2003, 299, 572-574.	12.6	1,198
8	Retinol-Binding Protein 4 and Insulin Resistance in Lean, Obese, and Diabetic Subjects. New England Journal of Medicine, 2006, 354, 2552-2563.	27.0	1,182
9	Adipokines in health and disease. Trends in Pharmacological Sciences, 2015, 36, 461-470.	8.7	766
10	Adipose Tissue Selective Insulin Receptor Knockout Protects against Obesity and Obesity-Related Glucose Intolerance. Developmental Cell, 2002, 3, 25-38.	7.0	719
11	Insulin-sensitive obesity. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E506-E515.	3.5	670
12	Plasma Visfatin Concentrations and Fat Depotâ€“Specific mRNA Expression in Humans. Diabetes, 2005, 54, 2911-2916.	0.6	628
13	T-lymphocyte Infiltration in Visceral Adipose Tissue. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1304-1310.	2.4	612
14	Evidence for a role of developmental genes in the origin of obesity and body fat distribution. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6676-6681.	7.1	543
15	Obesity-Induced CerS6-Dependent C16:0 Ceramide Production Promotes Weight Gain and Glucose Intolerance. Cell Metabolism, 2014, 20, 678-686.	16.2	520
16	3 years of liraglutide versus placebo for type 2 diabetes risk reduction and weight management in individuals with prediabetes: a randomised, double-blind trial. Lancet, The, 2017, 389, 1399-1409.	13.7	502
17	Macrophage Infiltration into Omental<i>Versus</i>Subcutaneous Fat across Different Populations: Effect of Regional Adiposity and the Comorbidities of Obesity. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 2240-2247.	3.6	497
18	The distinction of metabolically â€˜healthyâ€™ from â€˜unhealthyâ€™ obese individuals. Current Opinion in Lipidology, 2010, 21, 38-43.	2.7	497

#	ARTICLE	IF	CITATIONS
19	Dysregulation of the Peripheral and Adipose Tissue Endocannabinoid System in Human Abdominal Obesity. Diabetes, 2006, 55, 3053-3060.	0.6	477
20	Metabolically Healthy Obesity. Endocrine Reviews, 2020, 41, .	20.1	445
21	Adipocyte dysfunction, inflammation and metabolic syndrome. Reviews in Endocrine and Metabolic Disorders, 2014, 15, 277-287.	5.7	385
22	Serum Vaspin Concentrations in Human Obesity and Type 2 Diabetes. Diabetes, 2008, 57, 372-377.	0.6	367
23	Serum Retinol-Binding Protein Is More Highly Expressed in Visceral than in Subcutaneous Adipose Tissue and Is a Marker of Intra-abdominal Fat Mass. Cell Metabolism, 2007, 6, 79-87.	16.2	360
24	Anti-obesity drug discovery: advances and challenges. Nature Reviews Drug Discovery, 2022, 21, 201-223.	46.4	357
25	The brown fatâ€“enriched secreted factor Nrg4 preserves metabolic homeostasis through attenuation of hepatic lipogenesis. Nature Medicine, 2014, 20, 1436-1443.	30.7	354
26	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. PLoS Medicine, 2017, 14, e1002383.	8.4	341
27	From leptin to other adipokines in health and disease: Facts and expectations at the beginning of the 21st century. Metabolism: Clinical and Experimental, 2015, 64, 131-145.	3.4	332
28	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. PLoS Genetics, 2015, 11, e1005378.	3.5	331
29	The cold-induced lipokine 12,13-diHOME promotes fatty acid transport into brown adipose tissue. Nature Medicine, 2017, 23, 631-637.	30.7	309
30	Vaspin gene expression in human adipose tissue: Association with obesity and type 2 diabetes. Biochemical and Biophysical Research Communications, 2006, 339, 430-436.	2.1	303
31	MicroRNA Expression in Human Omental and Subcutaneous Adipose Tissue. PLoS ONE, 2009, 4, e4699.	2.5	290
32	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. Nature Genetics, 2018, 50, 26-41.	21.4	286
33	Adipsin Is an Adipokine that Improves Î² Cell Function in Diabetes. Cell, 2014, 158, 41-53.	28.9	284
34	Adipose tissue dysfunction contributes to obesity related metabolic diseases. Best Practice and Research in Clinical Endocrinology and Metabolism, 2013, 27, 163-177.	4.7	281
35	Altered Autophagy in Human Adipose Tissues in Obesity. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E268-E277.	3.6	275
36	Circulating Adiponectin and Expression of Adiponectin Receptors in Human Skeletal Muscle: Associations with Metabolic Parameters and Insulin Resistance and Regulation by Physical Training. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 2310-2316.	3.6	248

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37	Genetics and epigenetics in obesity. Metabolism: Clinical and Experimental, 2019, 92, 37-50.	3.4	230
38	Adipose tissue inflammation: a cause or consequence of obesity-related insulin resistance?. Clinical Science, 2016, 130, 1603-1614.	4.3	210
39	Hepatocyte-secreted DPP4 in obesity promotes adipose inflammation and insulin resistance. Nature, 2018, 555, 673-677.	27.8	209
40	Adipokines â€“ removing road blocks to obesity and diabetes therapy. Molecular Metabolism, 2014, 3, 230-240.	6.5	207
41	Local proliferation of macrophages in adipose tissue during obesity-induced inflammation. Diabetologia, 2014, 57, 562-571.	6.3	193
42	Effects of weight loss and exercise on chemerin serum concentrations and adipose tissue expression in human obesity. Metabolism: Clinical and Experimental, 2012, 61, 706-714.	3.4	191
43	Dietary Intervention to Reverse Carotid Atherosclerosis. Circulation, 2010, 121, 1200-1208.	1.6	190
44	Adipose Dipeptidyl Peptidase-4 and Obesity. Diabetes Care, 2013, 36, 4083-4090.	8.6	188
45	Effect of Distinct Lifestyle Interventions on Mobilization of Fat Storage Pools. Circulation, 2018, 137, 1143-1157.	1.6	185
46	Adipokines in gestational diabetes. Lancet Diabetes and Endocrinology,the, 2014, 2, 488-499.	11.4	173
47	Effect of a 4 week physical training program on plasma concentrations of inflammatory markers in patients with abnormal glucose tolerance. European Journal of Endocrinology, 2006, 154, 577-585.	3.7	156
48	Clinical Relevance of Adipokines. Diabetes and Metabolism Journal, 2012, 36, 317.	4.7	156
49	Serum Progranulin Concentrations May Be Associated With Macrophage Infiltration Into Omental Adipose Tissue. Diabetes, 2009, 58, 627-636.	0.6	149
50	Adipose tissue derived bacteria are associated with inflammation in obesity and type 2 diabetes. Gut, 2020, 69, 1796-1806.	12.1	149
51	Vaspin in obesity and diabetes: pathophysiological and clinical significance. Endocrine, 2012, 41, 176-182.	2.3	148
52	MECHANISMS IN ENDOCRINOLOGY: Are metabolically healthy obese individuals really healthy?. European Journal of Endocrinology, 2014, 171, R209-R219.	3.7	148
53	The beneficial effects of Mediterranean diet over low-fat diet may be mediated by decreasing hepatic fat content. Journal of Hepatology, 2019, 71, 379-388.	3.7	148
54	Serum Levels of the Adipokine Vaspin in Relation to Metabolic and Renal Parameters. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 247-251.	3.6	139

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55	A self-sustained loop of inflammation-driven inhibition of beige adipogenesis in obesity. Nature Immunology, 2017, 18, 654-664.	14.5	139
56	Are there still healthy obese patients?. Current Opinion in Endocrinology, Diabetes and Obesity, 2012, 19, 341-346.	2.3	136
57	Evidence of Early Alterations in Adipose Tissue Biology and Function and Its Association With Obesity-Related Inflammation and Insulin Resistance in Children. Diabetes, 2015, 64, 1249-1261.	0.6	136
58	Integrated Network Analysis Reveals an Association between Plasma Mannose Levels and Insulin Resistance. Cell Metabolism, 2016, 24, 172-184.	16.2	133
59	12-Lipoxygenase Regulates Cold Adaptation and Glucose Metabolism by Producing the Omega-3 Lipid 12-HEPE from Brown Fat. Cell Metabolism, 2019, 30, 768-783.e7.	16.2	132
60	Mitochondrial gene expression and increased oxidative metabolism: role in increased lifespan of fatâ€specific insulin receptor knockâ€out mice. Aging Cell, 2007, 6, 827-839.	6.7	130
61	Vaspin inhibits kallikrein 7 by serpin mechanism. Cellular and Molecular Life Sciences, 2013, 70, 2569-2583.	5.4	125
62	Many obesity-associated SNPs strongly associate with DNA methylation changes at proximal promoters and enhancers. Genome Medicine, 2015, 7, 103.	8.2	124
63	Interleukin-1ÃŸ induces the novel adipokine chemerin in adipocytes in vitro. Regulatory Peptides, 2009, 154, 102-106.	1.9	123
64	LincRNA H19 protects from dietary obesity by constraining expression of monoallelic genes in brown fat. Nature Communications, 2018, 9, 3622.	12.8	120
65	Effect of green-Mediterranean diet on intrahepatic fat: the DIRECT PLUS randomised controlled trial. Gut, 2021, 70, 2085-2095.	12.1	120
66	The genetics of fat distribution. Diabetologia, 2014, 57, 1276-1286.	6.3	116
67	Two Patterns of Adipokine and Other Biomarker Dynamics in a Long-Term Weight Loss Intervention. Diabetes Care, 2012, 35, 342-349.	8.6	114
68	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. Diabetes Care, 2007, 30, 280-285.	8.6	113
69	Autocrine IGF-1 Action in Adipocytes Controls Systemic IGF-1 Concentrations and Growth. Diabetes, 2008, 57, 2074-2082.	0.6	113
70	Leveraging Cross-Species Transcription Factor Binding Site Patterns: From Diabetes Risk Loci to Disease Mechanisms. Cell, 2014, 156, 343-358.	28.9	113
71	Adipose Tissue Foam Cells Are Present in Human Obesity. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 1173-1181.	3.6	110
72	Mitogen-Activated Protein Kinases, Inhibitory-Î°B Kinase, and Insulin Signaling in Human Omental Versus Subcutaneous Adipose Tissue in Obesity. Endocrinology, 2007, 148, 2955-2962.	2.8	109

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73	WISP1 Is a Novel Adipokine Linked to Inflammation in Obesity. Diabetes, 2015, 64, 856-866.	0.6	107
74	Identification of Adipokine Clusters Related to Parameters of Fat Mass, Insulin Sensitivity and Inflammation. PLoS ONE, 2014, 9, e99785.	2.5	107
75	An AMP-activated protein kinaseâ€"stabilizing peptide ameliorates adipose tissue wasting in cancer cachexia in mice. Nature Medicine, 2016, 22, 1120-1130.	30.7	106
76	Adipocyte Size Threshold Matters: Link with Risk of Type 2 Diabetes and Improved Insulin Resistance After Gastric Bypass. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E1466-E1470.	3.6	105
77	Analysis of the Relationship Between the Pro12Ala Variant in the PPAR-Â2 Gene and the Response Rate to Therapy With Pioglitazone in Patients With Type 2 Diabetes. Diabetes Care, 2003, 26, 825-831.	8.6	104
78	Adipokine Pattern in Subjects with Impaired Fasting Glucose and Impaired Glucose Tolerance in Comparison to Normal Glucose Tolerance and Diabetes. PLoS ONE, 2010, 5, e13911.	2.5	102
79	Effects of Weight Loss and Exercise on Apelin Serum Concentrations and Adipose Tissue Expression in Human Obesity. Obesity Facts, 2013, 6, 57-69.	3.4	102
80	Linagliptin Improves Insulin Sensitivity and Hepatic Steatosis in Diet-Induced Obesity. PLoS ONE, 2012, 7, e38744.	2.5	97
81	Vaspin serum concentrations in patients with carotid stenosis. Atherosclerosis, 2009, 204, 262-266.	0.8	96
82	Effects of Diet-Modulated Autologous Fecal Microbiota Transplantation on Weight Regain. Gastroenterology, 2021, 160, 158-173.e10.	1.3	95
83	The SGLT2 inhibitor empagliflozin improves insulin sensitivity in db/db mice both as monotherapy and in combination with linagliptin. Metabolism: Clinical and Experimental, 2016, 65, 114-123.	3.4	94
84	Growth hormone is a positive regulator of adiponectin receptor 2 in 3T3â€Ł1 adipocytes. FEBS Letters, 2004, 558, 27-32.	2.8	93
85	Myeloid Cell-Restricted Insulin Receptor Deficiency Protects Against Obesity-Induced Inflammation and Systemic Insulin Resistance. PLoS Genetics, 2010, 6, e1000938.	3.5	92
86	Role of Insulin Action and Cell Size on Protein Expression Patterns in Adipocytes. Journal of Biological Chemistry, 2004, 279, 31902-31909.	3.4	90
87	Elevated autophagy gene expression in adipose tissue of obese humans: A potential non-cell-cycle-dependent function of E2F1. Autophagy, 2015, 11, 2074-2088.	9.1	90
88	The Gq signalling pathway inhibits brown and beige adipose tissue. Nature Communications, 2016, 7, 10895.	12.8	90
89	Long-term Relapse of Type 2 Diabetes After Roux-en-Y Gastric Bypass: Prediction and Clinical Relevance. Diabetes Care, 2018, 41, 2086-2095.	8.6	90
90	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. Diabetes Care, 2007, 30, 3110-3115.	8.6	89

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91	Sex-dimorphic genetic effects and novel loci for fasting glucose and insulin variability. Nature Communications, 2021, 12, 24.	12.8	87
92	Glypican-4 Enhances Insulin Signaling via Interaction With the Insulin Receptor and Serves as a Novel Adipokine. Diabetes, 2012, 61, 2289-2298.	0.6	85
93	Plasma Mannose Levels Are Associated with Incident Type 2 Diabetes and Cardiovascular Disease. Cell Metabolism, 2017, 26, 281-283.	16.2	85
94	Genome-wide DNA promoter methylation and transcriptome analysis in human adipose tissue unravels novel candidate genes for obesity. Molecular Metabolism, 2017, 6, 86-100.	6.5	84
95	Intrinsic Heterogeneity in Adipose Tissue of Fat-specific Insulin Receptor Knock-out Mice Is Associated with Differences in Patterns of Gene Expression. Journal of Biological Chemistry, 2004, 279, 31891-31901.	3.4	83
96	Activated Ask1-MKK4-p38MAPK/JNK Stress Signaling Pathway in Human Omental Fat Tissue May Link Macrophage Infiltration to Whole-Body Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 2507-2515.	3.6	83
97	Mesenteric Fat Lipolysis Mediates Obesity-Associated Hepatic Steatosis and Insulin Resistance. Diabetes, 2016, 65, 140-148.	0.6	77
98	Adenosine/A2B Receptor Signaling Ameliorates the Effects of Aging and Counteracts Obesity. Cell Metabolism, 2020, 32, 56-70.e7.	16.2	77
99	Thy-1 (CD90) promotes bone formation and protects against obesity. Science Translational Medicine, 2018, 10, .	12.4	76
100	Serum levels of irisin in gestational diabetes mellitus during pregnancy and after delivery. Cytokine, 2014, 65, 153-158.	3.2	75
101	Adipose Tissue Expression and Genetic Variants of the Bone Morphogenetic Protein Receptor 1A Gene (<i>BMPR1A</i>) Are Associated With Human Obesity. Diabetes, 2009, 58, 2119-2128.	0.6	73
102	Thyroid hormone status defines brown adipose tissue activity and browning of white adipose tissues in mice. Scientific Reports, 2016, 6, 38124.	3.3	71
103	A Stat6/Pten Axis Links Regulatory T Cells with Adipose Tissue Function. Cell Metabolism, 2017, 26, 475-492.e7.	16.2	71
104	Extended longevity and insulin signaling in adipose tissue. Experimental Gerontology, 2005, 40, 878-883.	2.8	69
105	Positional Cloning of Zinc Finger Domain Transcription Factor Zfp69, a Candidate Gene for Obesity-Associated Diabetes Contributed by Mouse Locus Nidd/SJL. PLoS Genetics, 2009, 5, e1000541.	3.5	68
106	The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. Nature Communications, 2016, 7, 11869.	12.8	68
107	<i>COL6A3</i> expression in adipocytes associates with insulin resistance and depends on PPARÎ³ and adipocyte size. Obesity, 2014, 22, 1807-1813.	3.0	67
108	FGF6 and FGF9 regulate UCP1 expression independent of brown adipogenesis. Nature Communications, 2020, 11, 1421.	12.8	67

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109	Direct Evidence of Brown Adipocytes in Different Fat Depots in Children. PLoS ONE, 2015, 10, e0117841.	2.5	66
110	Clinical Inertia in Individualising Care for Diabetes: Is There Time to do More in Type 2 Diabetes?. Diabetes Therapy, 2014, 5, 347-354.	2.5	63
111	Adipocyte-Specific Hypoxia-Inducible Factor 2Î± Deficiency Exacerbates Obesity-Induced Brown Adipose Tissue Dysfunction and Metabolic Dysregulation. Molecular and Cellular Biology, 2016, 36, 376-393.	2.3	63
112	Enzymatic Activity of HPGD in Treg Cells Suppresses Tconv Cells to Maintain Adipose Tissue Homeostasis and Prevent Metabolic Dysfunction. Immunity, 2019, 50, 1232-1248.e14.	14.3	63
113	Extensive weight loss reveals distinct gene expression changes in human subcutaneous and visceral adipose tissue. Scientific Reports, 2015, 5, 14841.	3.3	62
114	Does vitamin D supplementation alter plasma adipokines concentrations? A systematic review and meta-analysis of randomized controlled trials. Pharmacological Research, 2016, 107, 360-371.	7.1	61
115	Di-(2-Ethylhexyl)-Phthalate (DEHP) Causes Impaired Adipocyte Function and Alters Serum Metabolites. PLoS ONE, 2015, 10, e0143190.	2.5	61
116	Perturbation of the Monocyte Compartment in Human Obesity. Frontiers in Immunology, 2019, 10, 1874.	4.8	60
117	AdipoAtlas: A reference lipidome for human white adipose tissue. Cell Reports Medicine, 2021, 2, 100407.	6.5	60
118	Liver ASK1 protects from nonâ€alcoholic fatty liver disease and fibrosis. EMBO Molecular Medicine, 2019, 11, e10124.	6.9	59
119	Benefits of foods supplemented with vegetable oils rich in Î±-linolenic, stearidonic or docosahexaenoic acid in hypertriglyceridemic subjects: a double-blind, randomized, controlled trail. European Journal of Nutrition, 2015, 54, 881-893.	3.9	58
120	PPARÎ³Î”5, a Naturally Occurring Dominant-Negative Splice Isoform, Impairs PPARÎ³ Function and Adipocyte Differentiation. Cell Reports, 2018, 25, 1577-1592.e6.	6.4	58
121	Tamoxifen affects glucose and lipid metabolism parameters, causes browning of subcutaneous adipose tissue and transient body composition changes in C57BL/6NTac mice. Biochemical and Biophysical Research Communications, 2015, 464, 724-729.	2.1	55
122	Relationship Between 12 Adipocytokines and Distinct Components of the Metabolic Syndrome. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 1015-1023.	3.6	55
123	Use and effectiveness of a fixedâ€ratio combination of insulin degludec/liraglutide (IDegLira) in a realâ€world population with type 2 diabetes: Results from a European, multicentre, retrospective chart review study. Diabetes, Obesity and Metabolism, 2018, 20, 954-962.	4.4	54
124	Bone morphogenetic protein 2 (<i>BMP2</i>) may contribute to partition of energy storage into visceral and subcutaneous fat depots. Obesity, 2016, 24, 2092-2100.	3.0	53
125	Elevated Plasma Levels of 3-Hydroxyisobutyric Acid Are Associated With Incident Type 2 Diabetes. EBioMedicine, 2018, 27, 151-155.	6.1	53
126	Impairment of gut microbial biotin metabolism and host biotin status in severe obesity: effect of biotin and prebiotic supplementation on improved metabolism. Gut, 2022, 71, 2463-2480.	12.1	53

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127	Apoptotic brown adipocytes enhance energy expenditure via extracellular inosine. Nature, 2022, 609, 361-368.	27.8	53
128	Serum Levels of the Adipokine Progranulin Depend on Renal Function. Diabetes Care, 2013, 36, 410-414.	8.6	52
129	A microRNA screen reveals that elevated hepatic ectodysplasin A expression contributes to obesity-induced insulin resistance in skeletal muscle. Nature Medicine, 2017, 23, 1466-1473.	30.7	51
130	An inflammatory micro-environment promotes human adipocyte apoptosis. Molecular and Cellular Endocrinology, 2011, 339, 105-113.	3.2	50
131	Regulation of the novel adipokines/ hepatokines fetuin A and fetuin B in gestational diabetes mellitus. Metabolism: Clinical and Experimental, 2017, 68, 88-94.	3.4	50
132	Central noradrenaline transporter availability in highly obese, non-depressed individuals. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1056-1064.	6.4	50
133	Mitofusin 2 in Mature Adipocytes Controls Adiposity and Body Weight. Cell Reports, 2019, 26, 2849-2858.e4.	6.4	50
134	Telomere length differences between subcutaneous and visceral adipose tissue in humans. Biochemical and Biophysical Research Communications, 2015, 457, 426-432.	2.1	49
135	Hypoxia-inducible factor 3A gene expression and methylation in adipose tissue is related to adipose tissue dysfunction. Scientific Reports, 2016, 6, 27969.	3.3	49
136	A computational biology approach of a genome-wide screen connected miRNAs to obesity and type 2 diabetes. Molecular Metabolism, 2018, 11, 145-159.	6.5	48
137	Liver alanine catabolism promotes skeletal muscle atrophy and hyperglycaemia in type 2 diabetes. Nature Metabolism, 2021, 3, 394-409.	11.9	48
138	Protein kinase STK25 controls lipid partitioning in hepatocytes and correlates with liver fat content in humans. Diabetologia, 2016, 59, 341-353.	6.3	45
139	Plasma levels of free fatty acids correlate with type 2 diabetes mellitus. Diabetes, Obesity and Metabolism, 2018, 20, 2661-2669.	4.4	44
140	The Novel Adipokine Gremlin 1 Antagonizes Insulin Action and Is Increased in Type 2 Diabetes and NAFLD/NASH. Diabetes, 2020, 69, 331-341.	0.6	44
141	micro <scp>RNA</scp> â€379 couples glucocorticoid hormones to dysfunctional lipid homeostasis. EMBO Journal, 2015, 34, 344-360.	7.8	43
142	Regulation of adiponectin receptor R1 and R2 gene expression in adipocytes of C57BL/6 mice. Biochemical and Biophysical Research Communications, 2005, 329, 1127-1132.	2.1	42
143	Fas and<i>FasL</i>Expression in Human Adipose Tissue Is Related to Obesity, Insulin Resistance, and Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E36-E44.	3.6	42
144	Effects of Weight Loss on Glutathione Peroxidase 3 Serum Concentrations and Adipose Tissue Expression in Human Obesity. Obesity Facts, 2018, 11, 475-490.	3.4	42

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145	STK25 is a critical determinant in nonalcoholic steatohepatitis. FASEB Journal, 2016, 30, 3628-3643.	0.5	41
146	EHD2-mediated restriction of caveolar dynamics regulates cellular fatty acid uptake. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7471-7481.	7.1	41
147	The role of nerve inflammation and exogenous iron load in experimental peripheral diabetic neuropathy (PDN). Metabolism: Clinical and Experimental, 2016, 65, 391-405.	3.4	40
148	Vaspin suppresses cytokine-induced inflammation in 3T3-L1 adipocytes via inhibition of NFÎºB pathway. Molecular and Cellular Endocrinology, 2018, 460, 181-188.	3.2	40
149	Identification of a regulatory pathway inhibiting adipogenesis via RSPO2. Nature Metabolism, 2022, 4, 90-105.	11.9	39
150	Genetic and Evolutionary Analyses of the Human Bone Morphogenetic Protein Receptor 2 (BMPR2) in the Pathophysiology of Obesity. PLoS ONE, 2011, 6, e16155.	2.5	38
151	Fat Tissue and Long Life. Obesity Facts, 2008, 1, 176-182.	3.4	37
152	Circulating chemerin decreases in response to a combined strength and endurance training. Endocrine, 2014, 45, 382-391.	2.3	37
153	The obesity-induced transcriptional regulator TRIP-Br2 mediates visceral fat endoplasmic reticulum stress-induced inflammation. Nature Communications, 2016, 7, 11378.	12.8	37
154	<i>Tbx15</i> Defines a Glycolytic Subpopulation and White Adipocyte Heterogeneity. Diabetes, 2017, 66, 2822-2829.	0.6	37
155	Differential effects of high-fat diet and exercise training on bone and energy metabolism. Bone, 2018, 116, 120-134.	2.9	37
156	Retinol-binding protein 4 in obesity and metabolic dysfunctions. Molecular and Cellular Endocrinology, 2021, 531, 111312.	3.2	37
157	Consequences of Obesity on the Sense of Taste: Taste Buds as Treatment Targets?. Diabetes and Metabolism Journal, 2020, 44, 509.	4.7	36
158	Fat depotâ€specific expression of <i><scp>H</scp>OX<scp>C</scp>9</i> and <i><scp>H</scp>OX<scp>C</scp>10</i> may contribute to adverse fat distribution and related metabolic traits. Obesity, 2016, 24, 51-59.	3.0	35
159	Autophagy determines efficiency of liverâ€directed gene therapy with adenoâ€associated viral vectors. Hepatology, 2017, 66, 252-265.	7.3	35
160	Changes of renal sinus fat and renal parenchymal fat during an 18-month randomized weight loss trial. Clinical Nutrition, 2018, 37, 1145-1153.	5.0	35
161	Obesityâ€"An Update on the Basic Pathophysiology and Review of Recent Therapeutic Advances. Biomolecules, 2021, 11, 1426.	4.0	35
162	The effect of green Mediterranean diet on cardiometabolic risk; a randomised controlled trial. Heart, 2021, 107, 1054-1061.	2.9	35

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163	Importance of estrogen receptors in adipose tissue function. Molecular Metabolism, 2013, 2, 130-132.	6.5	34
164	Fas (<scp>CD</scp>95) expression in myeloid cells promotes obesityâ€induced muscle insulin resistance. EMBO Molecular Medicine, 2014, 6, 43-56.	6.9	34
165	A novel thermoregulatory role for <scp>PDE</scp> 10A in mouse and human adipocytes. EMBO Molecular Medicine, 2016, 8, 796-812.	6.9	34
166	Does C-C Motif Chemokine Ligand 2 (CCL2) Link Obesity to a Pro-Inflammatory State?. International Journal of Molecular Sciences, 2021, 22, 1500.	4.1	34
167	A macrophage-hepatocyte glucocorticoid receptor axis coordinates fasting ketogenesis. Cell Metabolism, 2022, 34, 473-486.e9.	16.2	34
168	PPP2R5C Couples Hepatic Glucose and Lipid Homeostasis. PLoS Genetics, 2015, 11, e1005561.	3.5	33
169	Interplay between Obesity-Induced Inflammation and cGMP Signaling in White Adipose Tissue. Cell Reports, 2017, 18, 225-236.	6.4	33
170	Inflammatory Mechanisms in the Pathophysiology of Diabetic Peripheral Neuropathy (DN)â€"New Aspects. International Journal of Molecular Sciences, 2021, 22, 10835.	4.1	33
171	Fastingâ€induced liver <scp>GADD</scp> 45Î² restrains hepatic fatty acid uptake and improves metabolic health. EMBO Molecular Medicine, 2016, 8, 654-669.	6.9	32
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173	Identification of distinct transcriptome signatures of human adipose tissue from fifteen depots. European Journal of Human Genetics, 2020, 28, 1714-1725.	2.8	32
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