Karine Clement

List of Publications by Year
in descending order

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264	36,025	4942 84	3563 181
papers	citations	h-index	g-index

288	288	288	38056
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Richness of human gut microbiome correlates with metabolic markers. Nature, 2013, 500, 541-546.	13.7	3,641
2	A mutation in the human leptin receptor gene causes obesity and pituitary dysfunction. Nature, 1998, 392, 398-401.	13.7	2,112
3	Dietary intervention impact on gut microbial gene richness. Nature, 2013, 500, 585-588.	13.7	1,485
4	Akkermansia muciniphilaand improved metabolic health during a dietary intervention in obesity: relationship with gut microbiome richness and ecology. Gut, 2016, 65, 426-436.	6.1	1,379
5	Differential Adaptation of Human Gut Microbiota to Bariatric Surgeryâ€"Induced Weight Loss. Diabetes, 2010, 59, 3049-3057.	0.3	1,065
6	Reduction of Macrophage Infiltration and Chemoattractant Gene Expression Changes in White Adipose Tissue of Morbidly Obese Subjects After Surgery-Induced Weight Loss. Diabetes, 2005, 54, 2277-2286.	0.3	992
7	A frameshift mutation in human MC4R is associated with a dominant form of obesity. Nature Genetics, 1998, 20, 113-114.	9.4	975
8	Melanocortin-4 receptor mutations are a frequent and heterogeneous cause of morbid obesity. Journal of Clinical Investigation, 2000, 106, 253-262.	3.9	760
9	Fibrosis and Adipose Tissue Dysfunction. Cell Metabolism, 2013, 18, 470-477.	7.2	717
10	Genetic deficiency and pharmacological stabilization of mast cells reduce diet-induced obesity and diabetes in mice. Nature Medicine, 2009, 15, 940-945.	15.2	663
11	Histopathological algorithm and scoring system for evaluation of liver lesions in morbidly obese patients. Hepatology, 2012, 56, 1751-1759.	3.6	657
12	Weight loss regulates inflammationâ€related genes in white adipose tissue of obese subjects. FASEB Journal, 2004, 18, 1657-1669.	0.2	569
13	Gut microbiota and human NAFLD: disentangling microbial signatures from metabolic disorders. Nature Reviews Gastroenterology and Hepatology, 2020, 17, 279-297.	8.2	539
14	Gut microbiota-derived metabolites as central regulators in metabolic disorders. Gut, 2021, 70, 1174-1182.	6.1	519
15	Increased Infiltration of Macrophages in Omental Adipose Tissue Is Associated With Marked Hepatic Lesions in Morbid Human Obesity. Diabetes, 2006, 55, 1554-1561.	0.3	513
16	Fibrosis in Human Adipose Tissue: Composition, Distribution, and Link With Lipid Metabolism and Fat Mass Loss. Diabetes, 2010, 59, 2817-2825.	0.3	511
17	TM6SF2 rs58542926 influences hepatic fibrosis progression in patients with non-alcoholic fatty liver disease. Nature Communications, 2014, 5, 4309.	5.8	478
18	Human epicardial adipose tissue induces fibrosis of the atrial myocardium through the secretion of adipo-fibrokines. European Heart Journal, 2015, 36, 795-805.	1.0	423

#	Article	IF	Citations
19	Adipose tissue transcriptomic signature highlights the pathological relevance of extracellular matrix in human obesity. Genome Biology, 2008, 9, R14.	13.9	372
20	Proopiomelanocortin Deficiency Treated with a Melanocortin-4 Receptor Agonist. New England Journal of Medicine, 2016, 375, 240-246.	13.9	358
21	Gut microbiota after gastric bypass in human obesity: increased richness and associations of bacterial genera with adipose tissue genes. American Journal of Clinical Nutrition, 2013, 98, 16-24.	2.2	351
22	Review article: Is obesity an inflammatory illness? Role of low-grade inflammation and macrophage infiltration in human white adipose tissue. BJOG: an International Journal of Obstetrics and Gynaecology, 2006, 113, 1141-1147.	1.1	350
23	Quantifying Diet-Induced Metabolic Changes of the Human Gut Microbiome. Cell Metabolism, 2015, 22, 320-331.	7.2	345
24	Human Adipose Tissue Macrophages: M1 and M2 Cell Surface Markers in Subcutaneous and Omental Depots and after Weight Loss. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 4619-4623.	1.8	318
25	Major microbiota dysbiosis in severe obesity: fate after bariatric surgery. Gut, 2019, 68, 70-82.	6.1	297
26	Statin therapy is associated with lower prevalence of gut microbiota dysbiosis. Nature, 2020, 581, 310-315.	13.7	283
27	Genome-wide association study of non-alcoholic fatty liver and steatohepatitis in a histologically characterised cohortâ˜†. Journal of Hepatology, 2020, 73, 505-515.	1.8	279
28	Macrophage-Secreted Factors Impair Human Adipogenesis: Involvement of Proinflammatory State in Preadipocytes. Endocrinology, 2007, 148, 868-877.	1.4	278
29	Mucosal-associated invariant T cell alterations in obese and type 2 diabetic patients. Journal of Clinical Investigation, 2015, 125, 1752-1762.	3.9	272
30	Saturated Fat Is More Metabolically Harmful for the Human Liver Than Unsaturated Fat or Simple Sugars. Diabetes Care, 2018, 41, 1732-1739.	4.3	266
31	The gut microbiome, diet, and links to cardiometabolic and chronic disorders. Nature Reviews Nephrology, 2016, 12, 169-181.	4.1	258
32	Macrophage-Secreted Factors Promote a Profibrotic Phenotype in Human Preadipocytes. Molecular Endocrinology, 2009, 23, 11-24.	3.7	236
33	Efficacy and safety of setmelanotide, an MC4R agonist, in individuals with severe obesity due to LEPR or POMC deficiency: single-arm, open-label, multicentre, phase 3 trials. Lancet Diabetes and Endocrinology,the, 2020, 8, 960-970.	5.5	235
34	MC4R agonism promotes durable weight loss in patients with leptin receptor deficiency. Nature Medicine, 2018, 24, 551-555.	15.2	219
35	Melanocortin 4 Receptor Mutations in a Large Cohort of Severely Obese Adults: Prevalence, Functional Classification, Genotype-Phenotype Relationship, and Lack of Association with Binge Eating. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 1811-1818.	1.8	217
36	The importance of the gut microbiota after bariatric surgery. Nature Reviews Gastroenterology and Hepatology, 2012, 9, 590-598.	8.2	216

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37	Chronic intermittent hypoxia is a major trigger for non-alcoholic fatty liver disease in morbid obese. Journal of Hepatology, 2012, 56, 225-233.	1.8	214
38	Transcriptomic profiling across the nonalcoholic fatty liver disease spectrum reveals gene signatures for steatohepatitis and fibrosis. Science Translational Medicine, 2020, 12, .	5.8	205
39	Defining macrophage phenotype and function in adipose tissue. Trends in Immunology, 2011, 32, 307-314.	2.9	200
40	Evaluation of a melanocortin-4 receptor (MC4R) agonist (Setmelanotide) in MC4R deficiency. Molecular Metabolism, 2017, 6, 1321-1329.	3.0	200
41	T Cellâ€“Derived IL-22 Amplifies IL-1Î²â€“Driven Inflammation in Human Adipose Tissue: Relevance to Obesity and Type 2 Diabetes. Diabetes, 2014, 63, 1966-1977.	0.3	197
42	Gut microbiota and non-alcoholic fatty liver disease: new insights. Clinical Microbiology and Infection, 2013, 19, 338-348.	2.8	196
43	A PDGFRÎ±-Mediated Switch toward CD9high Adipocyte Progenitors Controls Obesity-Induced Adipose Tissue Fibrosis. Cell Metabolism, 2017, 25, 673-685.	7.2	195
44	From correlation to causality: the case of Subdoligranulum. Gut Microbes, 2020, 12, 1849998.	4.3	192
45	CCL5 Promotes Macrophage Recruitment and Survival in Human Adipose Tissue. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 39-45.	1.1	190
46	Impact of bacterial probiotics on obesity, diabetes and non-alcoholic fatty liver disease related variables: a systematic review and meta-analysis of randomised controlled trials. BMJ Open, 2019, 9, e017995.	0.8	183
47	Mutational analysis of melanocortin-4 receptor, agouti-related protein, and Î±-melanocyte-stimulating hormone genes in severely obese children. Journal of Pediatrics, 2001, 139, 204-209.	0.9	182
48	Rare Genetic Forms of Obesity: Clinical Approach and Current Treatments in 2016. Obesity Facts, 2016, 9, 158-173.	1.6	173
49	Fate and Complex Pathogenic Effects of Dioxins and Polychlorinated Biphenyls in Obese Subjects before and after Drastic Weight Loss. Environmental Health Perspectives, 2011, 119, 377-383.	2.8	170
50	Metabolism and Metabolic Disorders and the Microbiome: The Intestinal Microbiota Associated With Obesity, Lipid Metabolism, and Metabolic Healthâ€”Pathophysiology and Therapeutic Strategies. Gastroenterology, 2021, 160, 573-599.	0.6	169
51	Serum amyloid A: production by human white adipocyte and regulation by obesity and nutrition. Diabetologia, 2005, 48, 519-528.	2.9	157
52	Deciphering the cellular interplays underlying obesity-induced adipose tissue fibrosis. Journal of Clinical Investigation, 2019, 129, 4032-4040.	3.9	157
53	Human epicardial adipose tissue has a specific transcriptomic signature depending on its anatomical peri-atrial, peri-ventricular, or peri-coronary location. Cardiovascular Research, 2015, 108, 62-73.	1.8	155
54	Irf5 deficiency in macrophages promotes beneficial adipose tissue expansion and insulin sensitivity during obesity. Nature Medicine, 2015, 21, 610-618.	15.2	149

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55	Human Adipocytes Induce Inflammation and Atrophy in Muscle Cells During Obesity. Diabetes, 2015, 64, 3121-3134.	0.3	146
56	Treatment for 2 mo with nâˆ'3 polyunsaturated fatty acids reduces adiposity and some atherogenic factors but does not improve insulin sensitivity in women with type 2 diabetes: a randomized controlled study. American Journal of Clinical Nutrition, 2007, 86, 1670-1679.	2.2	146
57	Activin A Plays a Critical Role in Proliferation and Differentiation of Human Adipose Progenitors. Diabetes, 2010, 59, 2513-2521.	0.3	140
58	Mast Cells in Human Adipose Tissue: Link with Morbid Obesity, Inflammatory Status, and Diabetes. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1677-E1685.	1.8	139
59	Cathepsin S, a novel biomarker of adiposity: relevance to atherogenesis. FASEB Journal, 2005, 19, 1540-1542.	0.2	138
60	Cathepsin S Promotes Human Preadipocyte Differentiation: Possible Involvement of Fibronectin Degradation. Endocrinology, 2006, 147, 4950-4959.	1.4	132
61	Unraveling the Genetics of Human Obesity. PLoS Genetics, 2006, 2, e188.	1.5	130
62	Jejunal T Cell Inflammation in Human Obesity Correlates with Decreased Enterocyte Insulin Signaling. Cell Metabolism, 2015, 22, 113-124.	7.2	130
63	Increased jejunal permeability in human obesity is revealed by a lipid challenge and is linked to inflammation and type 2 diabetes. Journal of Pathology, 2018, 246, 217-230.	2.1	125
64	The intestinal microbiota regulates host cholesterol homeostasis. BMC Biology, 2019, 17, 94.	1.7	125
65	Nonalcoholic Fatty Liver Disease: Modulating Gut Microbiota to Improve Severity?. Gastroenterology, 2020, 158, 1881-1898.	0.6	123
66	GLUT2 Accumulation in Enterocyte Apical and Intracellular Membranes. Diabetes, 2011, 60, 2598-2607.	0.3	122
67	Imidazole propionate is increased in diabetes and associated with dietary patterns and altered microbial ecology. Nature Communications, 2020, 11, 5881.	5.8	122
68	Visceral Adipose Tissue Drives Cardiac Aging Through Modulation of Fibroblast Senescence by Osteopontin Production. Circulation, 2018, 138, 809-822.	1.6	120
69	The melanocortin pathway and energy homeostasis: From discovery to obesity therapy. Molecular Metabolism, 2021, 48, 101206.	3.0	114
70	Human adipocyte function is impacted by mechanical cues. Journal of Pathology, 2014, 233, 183-195.	2.1	112
71	Dietary Patterns Differently Associate with Inflammation and Gut Microbiota in Overweight and Obese Subjects. PLoS ONE, 2014, 9, e109434.	1.1	111
72	The Eating Inventory and Body Adiposity from Leanness to Massive Obesity: a Study of 2509 Adults. Obesity, 2004, 12, 2023-2030.	4.0	108

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73	Association of Adipose Tissue and Liver Fibrosis With Tissue Stiffness in Morbid Obesity: Links With Diabetes and BMI Loss After Gastric Bypass. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 898-907.	1.8	107
74	Immune cell-derived cytokines contribute to obesity-related inflammation, fibrogenesis and metabolic deregulation in human adipose tissue. Scientific Reports, 2017, 7, 3000.	1.6	106
75	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.	1.8	105
76	Micronutrient and Protein Deficiencies After Gastric Bypass and Sleeve Gastrectomy: a 1-year Follow-up. Obesity Surgery, 2016, 26, 785-796.	1.1	104
77	Molecular Genetics of Human Obesityâ€Associated MC4R Mutations. Annals of the New York Academy of Sciences, 2003, 994, 49-57.	1.8	102
78	Combinatorial, additive and dose-dependent drugâ€“microbiome associations. Nature, 2021, 600, 500-505.	13.7	102
79	Microbiome and metabolome features of the cardiometabolic disease spectrum. Nature Medicine, 2022, 28, 303-314.	15.2	102
80	The advanced-DiaRem score improves prediction of diabetes remission 1Âyear post-Roux-en-Y gastric bypass. Diabetologia, 2017, 60, 1892-1902.	2.9	100
81	C-reactive protein levels in relation to various features of non-alcoholic fatty liver disease among obese patients. Journal of Hepatology, 2011, 55, 660-665.	1.8	98
82	Serum Amyloid A: A Marker of Adiposityâ€induced Lowâ€grade Inflammation but Not of Metabolic Status. Obesity, 2006, 14, 309-318.	1.5	95
83	Gut microbiota and obesity: Concepts relevant to clinical care. European Journal of Internal Medicine, 2018, 48, 18-24.	1.0	95
84	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. PLoS Genetics, 2020, 16, e1008718.	1.5	95
85	Effects of Diet-Modulated Autologous Fecal Microbiota Transplantation on Weight Regain. Gastroenterology, 2021, 160, 158-173.e10.	0.6	95
86	Association between omental adipose tissue macrophages and liver histopathology in morbid obesity: Influence of glycemic status. Journal of Hepatology, 2009, 51, 354-362.	1.8	92
87	Profiling of the Three Circulating Monocyte Subpopulations in Human Obesity. Journal of Immunology, 2015, 194, 3917-3923.	0.4	92
88	Fecal Microbiota Transplantation: a Future Therapeutic Option for Obesity/Diabetes?. Current Diabetes Reports, 2019, 19, 51.	1.7	91
89	Long-term Relapse of Type 2 Diabetes After Roux-en-Y Gastric Bypass: Prediction and Clinical Relevance. Diabetes Care, 2018, 41, 2086-2095.	4.3	90
90	Assessment of epicardial fat volume and myocardial triglyceride content in severely obese subjects: relationship to metabolic profile, cardiac function and visceral fat. International Journal of Obesity, 2012, 36, 422-430.	1.6	89

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91	Circulating phospholipid profiling identifies portal contribution to NASH signature in obesity. Journal of Hepatology, 2015, 62, 905-912.	1.8	89
92	Accumulation and Changes in Composition of Collagens in Subcutaneous Adipose Tissue After Bariatric Surgery. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 293-304.	1.8	87
93	Nonalcoholic fatty liver disease and obstructive sleep apnea. Metabolism: Clinical and Experimental, 2016, 65, 1124-1135.	1.5	87
94	Unexpected Endocrine Features and Normal Pigmentation in a Young Adult Patient Carrying a Novel Homozygous Mutation in the POMC Gene. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4955-4962.	1.8	86
95	Synergistic convergence of microbiota-specific systemic IgG and secretory IgA. Journal of Allergy and Clinical Immunology, 2019, 143, 1575-1585.e4.	1.5	86
96	Genetics and the Pathophysiology of Obesity. Pediatric Research, 2003, 53, 721-725.	1.1	85
97	Secretory Type II Phospholipase A2 Is Produced and Secreted by Epicardial Adipose Tissue and Overexpressed in Patients with Coronary Artery Disease. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 963-967.	1.8	85
98	Use of HOMA-IR to diagnose non-alcoholic fatty liver disease: a population-based and inter-laboratory study. Diabetologia, 2017, 60, 1873-1882.	2.9	85
99	Gut Microbiota Dysbiosis in Human Obesity: Impact of Bariatric Surgery. Current Obesity Reports, 2019, 8, 229-242.	3.5	85
100	SMRT-GPS2 corepressor pathway dysregulation coincides with obesity-linked adipocyte inflammation. Journal of Clinical Investigation, 2013, 123, 362-379.	3.9	83
101	Regulation of inflammation-related genes in human adipose tissue. Journal of Internal Medicine, 2007, 262, 422-430.	2.7	80
102	FunNet: an integrative tool for exploring transcriptional interactions. Bioinformatics, 2008, 24, 2636-2638.	1.8	78
103	Knee and hip intra-articular adipose tissues (IAATs) compared with autologous subcutaneous adipose tissue: a specific phenotype for a central player in osteoarthritis. Annals of the Rheumatic Diseases, 2017, 76, 1142-1148.	0.5	78
104	Comparative Evaluation of Microbiota Engraftment Following Fecal Microbiota Transfer in Mice Models: Age, Kinetic and Microbial Status Matter. Frontiers in Microbiology, 2018, 9, 3289.	1.5	77
105	Melanocortin-4 Receptor Mutations and Polymorphisms Do Not Affect Weight Loss after Bariatric Surgery. PLoS ONE, 2012, 7, e48221.	1.1	76
106	Structural and inflammatory heterogeneity in subcutaneous adipose tissue: Relation with liver histopathology in morbid obesity. Journal of Hepatology, 2012, 56, 1152-1158.	1.8	75
107	Atrial natriuretic peptide regulates adipose tissue accumulation in adult atria. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E771-E780.	3.3	74
108	T Cell Populations and Functions Are Altered in Human Obesity and Type 2 Diabetes. Current Diabetes Reports, 2017, 17, 81.	1.7	71

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109	Nonalcoholic Fatty Liver Disease, Nocturnal Hypoxia, and Endothelial Function in Patients With Sleep Apnea. Chest, 2014, 145, 525-533.	0.4	70
110	Nutritional and Protein Deficiencies in the Short Term following Both Gastric Bypass and Gastric Banding. PLoS ONE, 2016, 11, e0149588.	1.1	70
111	The Effects of Gastrointestinal Surgery on Gut Microbiota: Potential Contribution to Improved Insulin Sensitivity. Current Atherosclerosis Reports, 2014, 16, 454.	2.0	68
112	Effect of Bariatric Surgery-Induced Weight Loss on SR-BI-, ABCG1-, and ABCA1-Mediated Cellular Cholesterol Efflux in Obese Women. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 1151-1159.	1.8	67
113	Increased Basement Membrane Components in Adipose Tissue During Obesity: Links With TGFÎ² and Metabolic Phenotypes. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 2578-2587.	1.8	67
114	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. Cell Metabolism, 2019, 30, 754-767.e9.	7.2	67
115	Improvement of nonâ€invasive markers of NAFLD from an individualised, webâ€based exercise program. Alimentary Pharmacology and Therapeutics, 2019, 50, 930-939.	1.9	67
116	Akkermansia muciniphila abundance is lower in severe obesity, but its increased level after bariatric surgery is not associated with metabolic health improvement. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E446-E459.	1.8	67
117	Needle and surgical biopsy techniques differentially affect adipose tissue gene expression profiles. American Journal of Clinical Nutrition, 2009, 89, 51-57.	2.2	66
118	Weight Loss Reduces Adipose Tissue Cathepsin S and Its Circulating Levels in Morbidly Obese Women. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 1042-1047.	1.8	64
119	Seven Novel Deleterious LEPR Mutations Found in Early-Onset Obesity: a Î”Exon6â€“8 Shared by Subjects From Reunion Island, France, Suggests a Founder Effect. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E757-E766.	1.8	63
120	Resistance Training and Protein Supplementation Increase Strength After Bariatric Surgery: A Randomized Controlled Trial. Obesity, 2018, 26, 1709-1720.	1.5	63
121	Mutational Analysis of the Pro-opiomelanocortin Gene in French Obese Children Led to the Identification of a Novel Deleterious Heterozygous Mutation Located in the Î±-Melanocyte Stimulating Hormone Domain. Pediatric Research, 2008, 63, 211-216.	1.1	62
122	The FAT Score, a Fibrosis Score of Adipose Tissue: Predicting Weight-Loss Outcome After Gastric Bypass. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 2443-2453.	1.8	62
123	DAPK2 Downregulation Associates With Attenuated Adipocyte Autophagic Clearance in Human Obesity. Diabetes, 2015, 64, 3452-3463.	0.3	61
124	Rare melanocortin-3 receptor mutations with in vitro functional consequences are associated with human obesity. Human Molecular Genetics, 2011, 20, 392-399.	1.4	60
125	Bariatric Surgery Induces Disruption in Inflammatory Signaling Pathways Mediated by Immune Cells in Adipose Tissue: A RNA-Seq Study. PLoS ONE, 2015, 10, e0125718.	1.1	60
126	Systematic review of bariatric surgery liver biopsies clarifies the natural history of liver disease in patients with severe obesity. Gut, 2017, 66, 1688-1696.	6.1	59

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127	Homozygous Null Mutation of the Melanocortin-4 Receptor and Severe Early-Onset Obesity. Journal of Pediatrics, 2007, 150, 613-617.e1.	0.9	58
128	Human and preclinical studies of the hostâ€“gut microbiome co-metabolite hippurate as a marker and mediator of metabolic health. Gut, 2021, 70, 2105-2114.	6.1	58
129	Adipocyte ATP-Binding Cassette G1 Promotes Triglyceride Storage, Fat Mass Growth, and Human Obesity. Diabetes, 2015, 64, 840-855.	0.3	56
130	Macrophage scavenger receptor 1 mediates lipid-induced inflammation in non-alcoholic fatty liver disease. Journal of Hepatology, 2022, 76, 1001-1012.	1.8	54
131	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.	6.1	53
132	Adipose tissue inflammation and liver pathology in human obesity. Diabetes and Metabolism, 2008, 34, 658-663.	1.4	52
133	A Dietary Supplement Containing Cinnamon, Chromium and Carnosine Decreases Fasting Plasma Glucose and Increases Lean Mass in Overweight or Obese Pre-Diabetic Subjects: A Randomized, Placebo-Controlled Trial. PLoS ONE, 2015, 10, e0138646.	1.1	52
134	Risk assessment with gut microbiome and metabolite markers in NAFLD development. Science Translational Medicine, 2022, 14, .	5.8	50
135	Association of poorly controlled diabetes with low serum leptin in morbid obesity. International Journal of Obesity, 1997, 21, 556-561.	1.6	49
136	Endothelial Cells From Visceral Adipose Tissue Disrupt Adipocyte Functions in a Three-Dimensional Setting: Partial Rescue by Angiopoietin-1. Diabetes, 2014, 63, 535-549.	0.3	49
137	High levels of CRP in morbid obesity: the central role of adipose tissue and lessons for clinical practice before and after bariatric surgery. Surgery for Obesity and Related Diseases, 2015, 11, 148-154.	1.0	49
138	Adipose Tissue Fibrosis in Obesity: Etiology and Challenges. Annual Review of Physiology, 2022, 84, 135-155.	5.6	49
139	Homozygous Leptin Receptor Mutation Due to Uniparental Disomy of Chromosome 1: Response to Bariatric Surgery. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E397-E402.	1.8	47
140	Gut Microbiota Profile of Obese Diabetic Women Submitted to Roux-en-Y Gastric Bypass and Its Association with Food Intake and Postoperative Diabetes Remission. Nutrients, 2020, 12, 278.	1.7	47
141	Adipose Gene Expression Prior to Weight Loss Can Differentiate and Weakly Predict Dietary Responders. PLoS ONE, 2007, 2, e1344.	1.1	45
142	Eating behaviour in obese patients with melanocortin-4 receptor mutations: a literature review. International Journal of Obesity, 2013, 37, 1027-1035.	1.6	45
143	Senescence-associated Î²-galactosidase in subcutaneous adipose tissue associates with altered glycaemic status and truncal fat in severe obesity. Diabetologia, 2021, 64, 240-254.	2.9	45
144	Adipose Tissue Remodeling in Children: The Link between Collagen Deposition and Age-Related Adipocyte Growth. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 1320-1327.	1.8	44

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145	Pregnancy in a Woman with a Leptin-Receptor Mutation. New England Journal of Medicine, 2012, 366, 1064-1065.	13.9	43
146	Emerging role of cathepsin S in obesity and its associated diseases. Clinical Chemistry and Laboratory Medicine, 2007, 45, 328-32.	1.4	42
147	AhR activation defends gut barrier integrity against damage occurring in obesity. Molecular Metabolism, 2020, 39, 101007.	3.0	42
148	Associations Between Genetic Obesity Susceptibility and Early Postnatal Fat and Lean Mass. JAMA Pediatrics, 2014, 168, 1122.	3.3	41
149	Weight Loss, Xanthine Oxidase, and Serum Urate Levels: A Prospective Longitudinal Study of Obese Patients. Arthritis Care and Research, 2016, 68, 1036-1042.	1.5	40
150	Single nucleotide polymorphisms of protein tyrosine phosphatase 1B gene are associated with obesity in morbidly obese French subjects. Diabetologia, 2004, 47, 1278-1284.	2.9	39
151	A Data Integration Multi-Omics Approach to Study Calorie Restriction-Induced Changes in Insulin Sensitivity. Frontiers in Physiology, 2018, 9, 1958.	1.3	39
152	Hepatic stellate cell hypertrophy is associated with metabolic liver fibrosis. Scientific Reports, 2020, 10, 3850.	1.6	39
153	Cardiac MR Strain: A Noninvasive Biomarker of Fibrofatty Remodeling of the Left Atrial Myocardium. Radiology, 2018, 286, 83-92.	3.6	38
154	Prospective assessment and histological analysis of adherent perinephric fat in partial nephrectomies. Urologic Oncology: Seminars and Original Investigations, 2017, 35, 39.e9-39.e17.	0.8	37
155	Mucosalâ€associated invariant T (MAIT) cells are depleted and prone to apoptosis in cardiometabolic disorders. FASEB Journal, 2018, 32, 5078-5089.	0.2	37
156	Prediction of Long-Term Diabetes Remission After RYGB, Sleeve Gastrectomy, and Adjustable Gastric Banding Using DiaRem and Advanced-DiaRem Scores. Obesity Surgery, 2019, 29, 796-804.	1.1	37
157	Serum lipidomics reveals early differential effects of gastric bypass compared with banding on phospholipids and sphingolipids independent of differences in weight loss. International Journal of Obesity, 2017, 41, 917-925.	1.6	36
158	Lipid-rich diet enhances L-cell density in obese subjects and in mice through improved L-cell differentiation. Journal of Nutritional Science, 2015, 4, e22.	0.7	34
159	Interpretable and accurate prediction models for metagenomics data. GigaScience, 2020, 9, .	3.3	34
160	Novel pharmacological MC4R agonists can efficiently activate mutated MC4R from obese patient with impaired endogenous agonist response. Journal of Endocrinology, 2010, 207, 177-183.	1.2	33
161	Effect of Genotype and Previous GH Treatment on Adiposity in Adults With Prader-Willi Syndrome. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4895-4903.	1.8	33
162	Adipose tissue autophagy status in obesity: Expression and fluxâ€"two faces of the picture. Autophagy, 2016, 12, 588-589.	4.3	33

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163	Gut microbiota of obese subjects with Prader-Willi syndrome is linked to metabolic health. Gut, 2020, 69, 1229-1238.	6.1	33
164	Interactional and functional centrality in transcriptional co-expression networks. Bioinformatics, 2010, 26, 3083-3089.	1.8	32
165	Dietary Assessment in the MetaCardis Study: Development and Relative Validity of an Online Food Frequency Questionnaire. Journal of the Academy of Nutrition and Dietetics, 2017, 117, 878-888.	0.4	32
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