

Karine Clement

List of Publications by Citations

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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.

258
papers

25,548
citations

72
h-index

158
g-index

288
ext. papers

31,321
ext. citations

8.6
avg, IF

6.91
L-index

#	Paper	IF	Citations
258	Richness of human gut microbiome correlates with metabolic markers. <i>Nature</i> , 2013 , 500, 541-6	50.4	2584
257	A mutation in the human leptin receptor gene causes obesity and pituitary dysfunction. <i>Nature</i> , 1998 , 392, 398-401	50.4	1804
256	Dietary intervention impact on gut microbial gene richness. <i>Nature</i> , 2013 , 500, 585-8	50.4	1135
255	Akkermansia muciniphila and improved metabolic health during a dietary intervention in obesity: relationship with gut microbiome richness and ecology. <i>Gut</i> , 2016 , 65, 426-36	19.2	938
254	Reduction of macrophage infiltration and chemoattractant gene expression changes in white adipose tissue of morbidly obese subjects after surgery-induced weight loss. <i>Diabetes</i> , 2005 , 54, 2277-86 ^{0.9}	0.9	870
253	Differential adaptation of human gut microbiota to bariatric surgery-induced weight loss: links with metabolic and low-grade inflammation markers. <i>Diabetes</i> , 2010 , 59, 3049-57	0.9	860
252	A frameshift mutation in human MC4R is associated with a dominant form of obesity. <i>Nature Genetics</i> , 1998 , 20, 113-4	36.3	842
251	Melanocortin-4 receptor mutations are a frequent and heterogeneous cause of morbid obesity. <i>Journal of Clinical Investigation</i> , 2000 , 106, 253-62	15.9	630
250	Genetic deficiency and pharmacological stabilization of mast cells reduce diet-induced obesity and diabetes in mice. <i>Nature Medicine</i> , 2009 , 15, 940-5	50.5	582
249	Fibrosis and adipose tissue dysfunction. <i>Cell Metabolism</i> , 2013 , 18, 470-7	24.6	507
248	Weight loss regulates inflammation-related genes in white adipose tissue of obese subjects. <i>FASEB Journal</i> , 2004 , 18, 1657-69	0.9	506
247	Increased infiltration of macrophages in omental adipose tissue is associated with marked hepatic lesions in morbid human obesity. <i>Diabetes</i> , 2006 , 55, 1554-61	0.9	452
246	Histopathological algorithm and scoring system for evaluation of liver lesions in morbidly obese patients. <i>Hepatology</i> , 2012 , 56, 1751-9	11.2	438
245	Fibrosis in human adipose tissue: composition, distribution, and link with lipid metabolism and fat mass loss. <i>Diabetes</i> , 2010 , 59, 2817-25	0.9	409
244	TM6SF2 rs58542926 influences hepatic fibrosis progression in patients with non-alcoholic fatty liver disease. <i>Nature Communications</i> , 2014 , 5, 4309	17.4	362
243	Is obesity an inflammatory illness? Role of low-grade inflammation and macrophage infiltration in human white adipose tissue. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2006 , 113, 1141-7	3.7	304
242	Adipose tissue transcriptomic signature highlights the pathological relevance of extracellular matrix in human obesity. <i>Genome Biology</i> , 2008 , 9, R14	18.3	300

241	Human epicardial adipose tissue induces fibrosis of the atrial myocardium through the secretion of adipo-fibrokinases. <i>European Heart Journal</i> , 2015 , 36, 795-805a	9.5	299
240	Gut microbiota after gastric bypass in human obesity: increased richness and associations of bacterial genera with adipose tissue genes. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 16-24	7	286
239	Quantifying Diet-Induced Metabolic Changes of the Human Gut Microbiome. <i>Cell Metabolism</i> , 2015 , 22, 320-31	24.6	275
238	Human adipose tissue macrophages: m1 and m2 cell surface markers in subcutaneous and omental depots and after weight loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 4619-23	5.6	275
237	Proopiomelanocortin Deficiency Treated with a Melanocortin-4 Receptor Agonist. <i>New England Journal of Medicine</i> , 2016 , 375, 240-6	59.2	253
236	Macrophage-secreted factors impair human adipogenesis: involvement of proinflammatory state in preadipocytes. <i>Endocrinology</i> , 2007 , 148, 868-77	4.8	246
235	Gut microbiota and human NAFLD: disentangling microbial signatures from metabolic disorders. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020 , 17, 279-297	24.2	207
234	Macrophage-secreted factors promote a profibrotic phenotype in human preadipocytes. <i>Molecular Endocrinology</i> , 2009 , 23, 11-24		200
233	Major microbiota dysbiosis in severe obesity: fate after bariatric surgery. <i>Gut</i> , 2019 , 68, 70-82	19.2	197
232	Mucosal-associated invariant T cell alterations in obese and type 2 diabetic patients. <i>Journal of Clinical Investigation</i> , 2015 , 125, 1752-62	15.9	193
231	The gut microbiome, diet, and links to cardiometabolic and chronic disorders. <i>Nature Reviews Nephrology</i> , 2016 , 12, 169-81	14.9	191
230	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 1811-8	5.6	182
229	The importance of the gut microbiota after bariatric surgery. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2012 , 9, 590-8	24.2	175
228	Defining macrophage phenotype and function in adipose tissue. <i>Trends in Immunology</i> , 2011 , 32, 307-14	14.4	172
227	Saturated Fat Is More Metabolically Harmful for the Human Liver Than Unsaturated Fat or Simple Sugars. <i>Diabetes Care</i> , 2018 , 41, 1732-1739	14.6	167
226	Mutational analysis of melanocortin-4 receptor, agouti-related protein, and alpha-melanocyte-stimulating hormone genes in severely obese children. <i>Journal of Pediatrics</i> , 2001 , 139, 204-9	3.6	162
225	Chronic intermittent hypoxia is a major trigger for non-alcoholic fatty liver disease in morbid obese. <i>Journal of Hepatology</i> , 2012 , 56, 225-33	13.4	161
224	CCL5 promotes macrophage recruitment and survival in human adipose tissue. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 39-45	9.4	160

223	Gut microbiota and non-alcoholic fatty liver disease: new insights. <i>Clinical Microbiology and Infection</i> , 2013 , 19, 338-48	9.5	157
222	T cell-derived IL-22 amplifies IL-1 β -driven inflammation in human adipose tissue: relevance to obesity and type 2 diabetes. <i>Diabetes</i> , 2014 , 63, 1966-77	0.9	152
221	Fate and complex pathogenic effects of dioxins and polychlorinated biphenyls in obese subjects before and after drastic weight loss. <i>Environmental Health Perspectives</i> , 2011 , 119, 377-83	8.4	140
220	MC4R agonism promotes durable weight loss in patients with leptin receptor deficiency. <i>Nature Medicine</i> , 2018 , 24, 551-555	50.5	139
219	Serum amyloid A: production by human white adipocyte and regulation by obesity and nutrition. <i>Diabetologia</i> , 2005 , 48, 519-28	10.3	139
218	Treatment for 2 mo with n ω 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. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 1670-1679	7	131
217	Irf5 deficiency in macrophages promotes beneficial adipose tissue expansion and insulin sensitivity during obesity. <i>Nature Medicine</i> , 2015 , 21, 610-8	50.5	130
216	Evaluation of a melanocortin-4 receptor (MC4R) agonist (Setmelanotide) in MC4R deficiency. <i>Molecular Metabolism</i> , 2017 , 6, 1321-1329	8.8	121
215	Cathepsin S, a novel biomarker of adiposity: relevance to atherogenesis. <i>FASEB Journal</i> , 2005 , 19, 1540-20.9	20.9	119
214	A PDGFR β -Mediated Switch toward CD9 Adipocyte Progenitors Controls Obesity-Induced Adipose Tissue Fibrosis. <i>Cell Metabolism</i> , 2017 , 25, 673-685	24.6	117
213	Mast cells in human adipose tissue: link with morbid obesity, inflammatory status, and diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E1677-85	5.6	114
212	Activin a plays a critical role in proliferation and differentiation of human adipose progenitors. <i>Diabetes</i> , 2010 , 59, 2513-21	0.9	113
211	Genome-wide association study of non-alcoholic fatty liver and steatohepatitis in a histologically characterised cohort. <i>Journal of Hepatology</i> , 2020 , 73, 505-515	13.4	113
210	Human epicardial adipose tissue has a specific transcriptomic signature depending on its anatomical peri-atrial, peri-ventricular, or peri-coronary location. <i>Cardiovascular Research</i> , 2015 , 108, 62-73	9.9	112
209	Human Adipocytes Induce Inflammation and Atrophy in Muscle Cells During Obesity. <i>Diabetes</i> , 2015 , 64, 3121-34	0.9	111
208	Cathepsin s promotes human preadipocyte differentiation: possible involvement of fibronectin degradation. <i>Endocrinology</i> , 2006 , 147, 4950-9	4.8	109
207	Rare Genetic Forms of Obesity: Clinical Approach and Current Treatments in 2016. <i>Obesity Facts</i> , 2016 , 9, 158-73	5.1	104
206	Unraveling the genetics of human obesity. <i>PLoS Genetics</i> , 2006 , 2, e188	6	104

205	Gut microbiota-derived metabolites as central regulators in metabolic disorders. <i>Gut</i> , 2021 , 70, 1174-1182	3.2	101
204	Statin therapy is associated with lower prevalence of gut microbiota dysbiosis. <i>Nature</i> , 2020 , 581, 310-315	5.4	100
203	GLUT2 accumulation in enterocyte apical and intracellular membranes: a study in morbidly obese human subjects and ob/ob and high fat-fed mice. <i>Diabetes</i> , 2011 , 60, 2598-607	0.9	100
202	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. <i>BMJ Open</i> , 2019 , 9, e017995	3	97
201	The Eating Inventory and body adiposity from leanness to massive obesity: a study of 2509 adults. <i>Obesity</i> , 2004 , 12, 2023-30		97
200	Jejunal T Cell Inflammation in Human Obesity Correlates with Decreased Enterocyte Insulin Signaling. <i>Cell Metabolism</i> , 2015 , 22, 113-24	24.6	96
199	Molecular genetics of human obesity-associated MC4R mutations. <i>Annals of the New York Academy of Sciences</i> , 2003 , 994, 49-57	6.5	89
198	Dietary patterns differently associate with inflammation and gut microbiota in overweight and obese subjects. <i>PLoS ONE</i> , 2014 , 9, e109434	3.7	87
197	Increased jejunal permeability in human obesity is revealed by a lipid challenge and is linked to inflammation and type 2 diabetes. <i>Journal of Pathology</i> , 2018 , 246, 217-230	9.4	85
196	Association between omental adipose tissue macrophages and liver histopathology in morbid obesity: influence of glycemic status. <i>Journal of Hepatology</i> , 2009 , 51, 354-62	13.4	83
195	Serum amyloid A: a marker of adiposity-induced low-grade inflammation but not of metabolic status. <i>Obesity</i> , 2006 , 14, 309-18	8	83
194	Association of adipose tissue and liver fibrosis with tissue stiffness in morbid obesity: links with diabetes and BMI loss after gastric bypass. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 898-907	5.6	81
193	Human adipocyte function is impacted by mechanical cues. <i>Journal of Pathology</i> , 2014 , 233, 183-95	9.4	81
192	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> , 2014 , 99, E1466-70	5.6	80
191	Micronutrient and Protein Deficiencies After Gastric Bypass and Sleeve Gastrectomy: a 1-year Follow-up. <i>Obesity Surgery</i> , 2016 , 26, 785-96	3.7	79
190	Timing of Onset of Adverse Events With Setmelanotide, an MC4R Agonist, in Patients With Severe Obesity Due to LEPR or POMC Deficiency. <i>Journal of the Endocrine Society</i> , 2021 , 5, A30-A31	0.4	78
189	Secretory type II phospholipase A2 is produced and secreted by epicardial adipose tissue and overexpressed in patients with coronary artery disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 963-7	5.6	76
188	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. <i>Lancet Diabetes and Endocrinology</i> , 2020 , 8, 960-970	18.1	76

187	FunNet: an integrative tool for exploring transcriptional interactions. <i>Bioinformatics</i> , 2008 , 24, 2636-8	7.2	72
186	Regulation of inflammation-related genes in human adipose tissue. <i>Journal of Internal Medicine</i> , 2007 , 262, 422-30	10.8	72
185	The advanced-DiaRem score improves prediction of diabetes remission 1 year post-Roux-en-Y gastric bypass. <i>Diabetologia</i> , 2017 , 60, 1892-1902	10.3	71
184	Unexpected endocrine features and normal pigmentation in a young adult patient carrying a novel homozygous mutation in the POMC gene. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 4955-62	5.6	71
183	Immune cell-derived cytokines contribute to obesity-related inflammation, fibrogenesis and metabolic deregulation in human adipose tissue. <i>Scientific Reports</i> , 2017 , 7, 3000	4.9	70
182	C-reactive protein levels in relation to various features of non-alcoholic fatty liver disease among obese patients. <i>Journal of Hepatology</i> , 2011 , 55, 660-665	13.4	68
181	Circulating phospholipid profiling identifies portal contribution to NASH signature in obesity. <i>Journal of Hepatology</i> , 2015 , 62, 905-12	13.4	67
180	Nonalcoholic fatty liver disease and obstructive sleep apnea. <i>Metabolism: Clinical and Experimental</i> , 2016 , 65, 1124-35	12.7	67
179	Assessment of epicardial fat volume and myocardial triglyceride content in severely obese subjects: relationship to metabolic profile, cardiac function and visceral fat. <i>International Journal of Obesity</i> , 2012 , 36, 422-30	5.5	67
178	Gut microbiota and obesity: Concepts relevant to clinical care. <i>European Journal of Internal Medicine</i> , 2018 , 48, 18-24	3.9	65
177	Genetics and the pathophysiology of obesity. <i>Pediatric Research</i> , 2003 , 53, 721-5	3.2	65
176	Profiling of the three circulating monocyte subpopulations in human obesity. <i>Journal of Immunology</i> , 2015 , 194, 3917-23	5.3	64
175	Knee and hip intra-articular adipose tissues (IAATs) compared with autologous subcutaneous adipose tissue: a specific phenotype for a central player in osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 1142-1148	2.4	63
174	Visceral Adipose Tissue Drives Cardiac Aging Through Modulation of Fibroblast Senescence by Osteopontin Production. <i>Circulation</i> , 2018 , 138, 809-822	16.7	63
173	The effects of gastrointestinal surgery on gut microbiota: potential contribution to improved insulin sensitivity. <i>Current Atherosclerosis Reports</i> , 2014 , 16, 454	6	63
172	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
171	Structural and inflammatory heterogeneity in subcutaneous adipose tissue: relation with liver histopathology in morbid obesity. <i>Journal of Hepatology</i> , 2012 , 56, 1152-1158	13.4	61
170	SMRT-GPS2 corepressor pathway dysregulation coincides with obesity-linked adipocyte inflammation. <i>Journal of Clinical Investigation</i> , 2013 , 123, 362-79	15.9	61

169	Accumulation and Changes in Composition of Collagens in Subcutaneous Adipose Tissue After Bariatric Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 293-304	5.6	60
168	The intestinal microbiota regulates host cholesterol homeostasis. <i>BMC Biology</i> , 2019 , 17, 94	7.3	60
167	Needle and surgical biopsy techniques differentially affect adipose tissue gene expression profiles. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 51-7	7	59
166	Effect of bariatric surgery-induced weight loss on SR-BI-, ABCG1-, and ABCA1-mediated cellular cholesterol efflux in obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 1151-9	5.6	58
165	Deciphering the cellular interplays underlying obesity-induced adipose tissue fibrosis. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4032-4040	15.9	57
164	Nutritional and Protein Deficiencies in the Short Term following Both Gastric Bypass and Gastric Banding. <i>PLoS ONE</i> , 2016 , 11, e0149588	3.7	56
163	Nonalcoholic fatty liver disease, nocturnal hypoxia, and endothelial function in patients with sleep apnea. <i>Chest</i> , 2014 , 145, 525-533	5.3	55
162	Rare melanocortin-3 receptor mutations with in vitro functional consequences are associated with human obesity. <i>Human Molecular Genetics</i> , 2011 , 20, 392-9	5.6	54
161	Mutational analysis of the pro-opiomelanocortin gene in French obese children led to the identification of a novel deleterious heterozygous mutation located in the alpha-melanocyte stimulating hormone domain. <i>Pediatric Research</i> , 2008 , 63, 211-6	3.2	54
160	Melanocortin-4 receptor mutations and polymorphisms do not affect weight loss after bariatric surgery. <i>PLoS ONE</i> , 2012 , 7, e48221	3.7	53
159	Weight loss reduces adipose tissue cathepsin S and its circulating levels in morbidly obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 1042-7	5.6	53
158	Use of HOMA-IR to diagnose non-alcoholic fatty liver disease: a population-based and inter-laboratory study. <i>Diabetologia</i> , 2017 , 60, 1873-1882	10.3	51
157	Transcriptomic profiling across the nonalcoholic fatty liver disease spectrum reveals gene signatures for steatohepatitis and fibrosis. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	51
156	Atrial natriuretic peptide regulates adipose tissue accumulation in adult atria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E771-E780	11.5	48
155	Homozygous null mutation of the melanocortin-4 receptor and severe early-onset obesity. <i>Journal of Pediatrics</i> , 2007 , 150, 613-7, 617.e1	3.6	48
154	Systematic review of bariatric surgery liver biopsies clarifies the natural history of liver disease in patients with severe obesity. <i>Gut</i> , 2017 , 66, 1688-1696	19.2	47
153	Comparative Evaluation of Microbiota Engraftment Following Fecal Microbiota Transfer in Mice Models: Age, Kinetic and Microbial Status Matter. <i>Frontiers in Microbiology</i> , 2018 , 9, 3289	5.7	47
152	Seven novel deleterious LEPR mutations found in early-onset obesity: a Exon6-8 shared by subjects from Reunion Island, France, suggests a founder effect. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, E757-66	5.6	47

151	DAPK2 Downregulation Associates With Attenuated Adipocyte Autophagic Clearance in Human Obesity. <i>Diabetes</i> , 2015 , 64, 3452-63	0.9	46
150	Adipose tissue inflammation and liver pathology in human obesity. <i>Diabetes and Metabolism</i> , 2008 , 34, 658-63	5.4	46
149	Adipocyte ATP-binding cassette G1 promotes triglyceride storage, fat mass growth, and human obesity. <i>Diabetes</i> , 2015 , 64, 840-55	0.9	43
148	Increased Basement Membrane Components in Adipose Tissue During Obesity: Links With TGF β and Metabolic Phenotypes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 2578-87	5.6	43
147	Adipose gene expression prior to weight loss can differentiate and weakly predict dietary responders. <i>PLoS ONE</i> , 2007 , 2, e1344	3.7	42
146	Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity. <i>Cell Metabolism</i> , 2019 , 30, 754-767.e9	24.6	40
145	abundance is lower in severe obesity, but its increased level after bariatric surgery is not associated with metabolic health improvement. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E446-E459	6	40
144	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. <i>PLoS ONE</i> , 2015 , 10, e0138646	3.7	40
143	Fecal Microbiota Transplantation: a Future Therapeutic Option for Obesity/Diabetes?. <i>Current Diabetes Reports</i> , 2019 , 19, 51	5.6	39
142	T Cell Populations and Functions Are Altered in Human Obesity and Type 2 Diabetes. <i>Current Diabetes Reports</i> , 2017 , 17, 81	5.6	39
141	Association of poorly controlled diabetes with low serum leptin in morbid obesity. <i>International Journal of Obesity</i> , 1997 , 21, 556-61	5.5	39
140	Gut Microbiota Dysbiosis in Human Obesity: Impact of Bariatric Surgery. <i>Current Obesity Reports</i> , 2019 , 8, 229-242	8.4	38
139	High levels of CRP in morbid obesity: the central role of adipose tissue and lessons for clinical practice before and after bariatric surgery. <i>Surgery for Obesity and Related Diseases</i> , 2015 , 11, 148-54	3	38
138	Nonalcoholic Fatty Liver Disease: Modulating Gut Microbiota to Improve Severity?. <i>Gastroenterology</i> , 2020 , 158, 1881-1898	13.3	38
137	Bariatric Surgery Induces Disruption in Inflammatory Signaling Pathways Mediated by Immune Cells in Adipose Tissue: A RNA-Seq Study. <i>PLoS ONE</i> , 2015 , 10, e0125718	3.7	38
136	Synergistic convergence of microbiota-specific systemic IgG and secretory IgA. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 1575-1585.e4	11.5	38
135	Effects of Diet-Modulated Autologous Fecal Microbiota Transplantation on Weight Regain. <i>Gastroenterology</i> , 2021 , 160, 158-173.e10	13.3	38
134	The FAT Score, a Fibrosis Score of Adipose Tissue: Predicting Weight-Loss Outcome After Gastric Bypass. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 2443-2453	5.6	37

133	Pregnancy in a woman with a leptin-receptor mutation. <i>New England Journal of Medicine</i> , 2012 , 366, 1064-52	5.2	37
132	Improvement of non-invasive markers of NAFLD from an individualised, web-based exercise program. <i>Alimentary Pharmacology and Therapeutics</i> , 2019 , 50, 930-939	6.1	36
131	Endothelial cells from visceral adipose tissue disrupt adipocyte functions in a three-dimensional setting: partial rescue by angiopoietin-1. <i>Diabetes</i> , 2014 , 63, 535-49	0.9	36
130	Associations between genetic obesity susceptibility and early postnatal fat and lean mass: an individual participant meta-analysis. <i>JAMA Pediatrics</i> , 2014 , 168, 1122-30	8.3	36
129	Homozygous leptin receptor mutation due to uniparental disomy of chromosome 1: response to bariatric surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E397-402	5.6	36
128	Adipose tissue remodeling in children: the link between collagen deposition and age-related adipocyte growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 1320-7	5.6	36
127	Eating behaviour in obese patients with melanocortin-4 receptor mutations: a literature review. <i>International Journal of Obesity</i> , 2013 , 37, 1027-35	5.5	34
126	Emerging role of cathepsin S in obesity and its associated diseases. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007 , 45, 328-32	5.9	34
125	Resistance Training and Protein Supplementation Increase Strength After Bariatric Surgery: A Randomized Controlled Trial. <i>Obesity</i> , 2018 , 26, 1709-1720	8	34
124	From correlation to causality: the case of. <i>Gut Microbes</i> , 2020 , 12, 1-13	8.8	33
123	Single nucleotide polymorphisms of protein tyrosine phosphatase 1B gene are associated with obesity in morbidly obese French subjects. <i>Diabetologia</i> , 2004 , 47, 1278-1284	10.3	31
122	Metabolism and Metabolic Disorders and the Microbiome: The Intestinal Microbiota Associated With Obesity, Lipid Metabolism, and Metabolic Health-Pathophysiology and Therapeutic Strategies. <i>Gastroenterology</i> , 2021 , 160, 573-599	13.3	31
121	Weight Loss, Xanthine Oxidase, and Serum Urate Levels: A Prospective Longitudinal Study of Obese Patients. <i>Arthritis Care and Research</i> , 2016 , 68, 1036-42	4.7	30
120	Prospective assessment and histological analysis of adherent perinephric fat in partial nephrectomies. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2017 , 35, 39.e9-39.e17	2.8	30
119	Mucosal-associated invariant T (MAIT) cells are depleted and prone to apoptosis in cardiometabolic disorders. <i>FASEB Journal</i> , 2018 , 32, fj201800052RR	0.9	29
118	Imidazole propionate is increased in diabetes and associated with dietary patterns and altered microbial ecology. <i>Nature Communications</i> , 2020 , 11, 5881	17.4	29
117	Novel pharmacological MC4R agonists can efficiently activate mutated MC4R from obese patient with impaired endogenous agonist response. <i>Journal of Endocrinology</i> , 2010 , 207, 177-83	4.7	28
116	Prediction of Long-Term Diabetes Remission After RYGB, Sleeve Gastrectomy, and Adjustable Gastric Banding Using DiaRem and Advanced-DiaRem Scores. <i>Obesity Surgery</i> , 2019 , 29, 796-804	3.7	28

115	Gut Microbiota Profile of Obese Diabetic Women Submitted to Roux-en-Y Gastric Bypass and Its Association with Food Intake and Postoperative Diabetes Remission. <i>Nutrients</i> , 2020 , 12,	6.7	27
114	Serum lipidomics reveals early differential effects of gastric bypass compared with banding on phospholipids and sphingolipids independent of differences in weight loss. <i>International Journal of Obesity</i> , 2017 , 41, 917-925	5.5	26
113	Medication cost is significantly reduced after Roux-en-Y gastric bypass in obese patients. <i>Obesity Surgery</i> , 2014 , 24, 1896-903	3.7	26
112	Lipid-rich diet enhances L-cell density in obese subjects and in mice through improved L-cell differentiation. <i>Journal of Nutritional Science</i> , 2015 , 4, e22	2.7	26
111	Adipose tissue autophagy status in obesity: Expression and flux—two faces of the picture. <i>Autophagy</i> , 2016 , 12, 588-9	10.2	25
110	Interactional and functional centrality in transcriptional co-expression networks. <i>Bioinformatics</i> , 2010 , 26, 3083-9	7.2	25
109	Promoter adiponectin polymorphisms and waist/hip ratio variation in a prospective French adults study. <i>International Journal of Obesity</i> , 2008 , 32, 669-75	5.5	25
108	Novel loci for childhood body mass index and shared heritability with adult cardiometabolic traits. <i>PLoS Genetics</i> , 2020 , 16, e1008718	6	25
107	A Data Integration Multi-Omics Approach to Study Calorie Restriction-Induced Changes in Insulin Sensitivity. <i>Frontiers in Physiology</i> , 2018 , 9, 1958	4.6	24
106	The melanocortin pathway and energy homeostasis: From discovery to obesity therapy. <i>Molecular Metabolism</i> , 2021 , 48, 101206	8.8	24
105	Effect of Genotype and Previous GH Treatment on Adiposity in Adults With Prader-Willi Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 4895-4903	5.6	24
104	Impact of bariatric surgery on type 2 diabetes: contribution of inflammation and gut microbiome?. <i>Seminars in Immunopathology</i> , 2019 , 41, 461-475	12	23
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