# Karine Clement

List of Publications by Year
in descending order

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|---|---|---|---|
| 264<br>papers | 36,025<br>citations | 4955<br>84<br>h-index | 3576<br>181<br>g-index |
| 288<br>all docs | 288<br>docs citations | 288<br>times ranked | 38056<br>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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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 |
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