

Jose M Fernandez-Real

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.

472
papers

21,623
citations

74
h-index

126
g-index

515
ext. papers

25,276
ext. citations

6.9
avg, IF

6.7
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 472 | Metformin alters the gut microbiome of individuals with treatment-naive type 2 diabetes, contributing to the therapeutic effects of the drug. <i>Nature Medicine</i> , 2017 , 23, 850-858 | 50.5 | 732 |
| 471 | Insulin resistance and chronic cardiovascular inflammatory syndrome. <i>Endocrine Reviews</i> , 2003 , 24, 278-301 | 17.2 | 653 |
| 470 | Irisin is expressed and produced by human muscle and adipose tissue in association with obesity and insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E769-78 | 5.6 | 501 |
| 469 | Cross-talk between iron metabolism and diabetes. <i>Diabetes</i> , 2002 , 51, 2348-54 | 0.9 | 453 |
| 468 | Circulating interleukin 6 levels, blood pressure, and insulin sensitivity in apparently healthy men and women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 1154-9 | 5.6 | 418 |
| 467 | Olive oil and health: summary of the II international conference on olive oil and health consensus report, Jaén and Córdoba (Spain) 2008. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2010 , 20, 284-94 | 4.5 | 383 |
| 466 | Increase in plasma endotoxin concentrations and the expression of Toll-like receptors and suppressor of cytokine signaling-3 in mononuclear cells after a high-fat, high-carbohydrate meal: implications for insulin resistance. <i>Diabetes Care</i> , 2009 , 32, 2281-7 | 14.6 | 365 |
| 465 | Mirror extreme BMI phenotypes associated with gene dosage at the chromosome 16p11.2 locus. <i>Nature</i> , 2011 , 478, 97-102 | 50.4 | 322 |
| 464 | Dyslipidemia and inflammation: an evolutionary conserved mechanism. <i>Clinical Nutrition</i> , 2005 , 24, 16-31 | 5.9 | 285 |
| 463 | Targeting the circulating microRNA signature of obesity. <i>Clinical Chemistry</i> , 2013 , 59, 781-92 | 5.5 | 281 |
| 462 | Molecular phenomics and metagenomics of hepatic steatosis in non-diabetic obese women. <i>Nature Medicine</i> , 2018 , 24, 1070-1080 | 50.5 | 276 |
| 461 | MiRNA expression profile of human subcutaneous adipose and during adipocyte differentiation. <i>PLoS ONE</i> , 2010 , 5, e9022 | 3.7 | 275 |
| 460 | Blood letting in high-ferritin type 2 diabetes: effects on insulin sensitivity and beta-cell function. <i>Diabetes</i> , 2002 , 51, 1000-4 | 0.9 | 270 |
| 459 | Physiology and role of irisin in glucose homeostasis. <i>Nature Reviews Endocrinology</i> , 2017 , 13, 324-337 | 15.2 | 259 |
| 458 | Profiling of circulating microRNAs reveals common microRNAs linked to type 2 diabetes that change with insulin sensitization. <i>Diabetes Care</i> , 2014 , 37, 1375-83 | 14.6 | 241 |
| 457 | Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. <i>Nature Genetics</i> , 2011 , 43, 753-60 | 36.3 | 237 |
| 456 | Serum ferritin as a component of the insulin resistance syndrome. <i>Diabetes Care</i> , 1998 , 21, 62-8 | 14.6 | 237 |

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| 455 | The relationship of serum osteocalcin concentration to insulin secretion, sensitivity, and disposal with hypocaloric diet and resistance training. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 237-45 | 5.6 | 223 |
| 454 | Insulin resistance and inflammation in an evolutionary perspective: the contribution of cytokine genotype/phenotype to thriftiness. <i>Diabetologia</i> , 1999 , 42, 1367-74 | 10.3 | 205 |
| 453 | Interleukin-6 gene polymorphism and insulin sensitivity. <i>Diabetes</i> , 2000 , 49, 517-20 | 0.9 | 204 |
| 452 | The TNF-alpha gene Nco I polymorphism influences the relationship among insulin resistance, percent body fat, and increased serum leptin levels. <i>Diabetes</i> , 1997 , 46, 1468-72 | 0.9 | 200 |
| 451 | Plasma levels of the soluble fraction of tumor necrosis factor receptor 2 and insulin resistance. <i>Diabetes</i> , 1998 , 47, 1757-62 | 0.9 | 188 |
| 450 | Interleukin-6 gene polymorphism and lipid abnormalities in healthy subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 1334-9 | 5.6 | 183 |
| 449 | Circulating zonulin, a marker of intestinal permeability, is increased in association with obesity-associated insulin resistance. <i>PLoS ONE</i> , 2012 , 7, e37160 | 3.7 | 165 |
| 448 | Circulating omentin concentration increases after weight loss. <i>Nutrition and Metabolism</i> , 2010 , 7, 27 | 4.6 | 151 |
| 447 | Serum visfatin increases with progressive beta-cell deterioration. <i>Diabetes</i> , 2006 , 55, 2871-5 | 0.9 | 149 |
| 446 | Changes in circulating microRNAs are associated with childhood obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E1655-60 | 5.6 | 148 |
| 445 | Insulin resistance, inflammation, and serum fatty acid composition. <i>Diabetes Care</i> , 2003 , 26, 1362-8 | 14.6 | 146 |
| 444 | The interleukin-6 (-174) G/C promoter polymorphism is associated with type-2 diabetes mellitus in Native Americans and Caucasians. <i>Human Genetics</i> , 2003 , 112, 409-13 | 6.3 | 145 |
| 443 | Executive functions profile in extreme eating/weight conditions: from anorexia nervosa to obesity. <i>PLoS ONE</i> , 2012 , 7, e43382 | 3.7 | 141 |
| 442 | Fatty acid synthase: association with insulin resistance, type 2 diabetes, and cancer. <i>Clinical Chemistry</i> , 2009 , 55, 425-38 | 5.5 | 140 |
| 441 | Innate immunity, insulin resistance and type 2 diabetes. <i>Trends in Endocrinology and Metabolism</i> , 2008 , 19, 10-6 | 8.8 | 139 |
| 440 | Changes in blood microbiota profiles associated with liver fibrosis in obese patients: A pilot analysis. <i>Hepatology</i> , 2016 , 64, 2015-2027 | 11.2 | 137 |
| 439 | Circulating lipopolysaccharide-binding protein (LBP) as a marker of obesity-related insulin resistance. <i>International Journal of Obesity</i> , 2012 , 36, 1442-9 | 5.5 | 136 |
| 438 | Novel interactions of adiponectin with the endocrine system and inflammatory parameters. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 2714-8 | 5.6 | 136 |

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| 437 | Elevated circulating levels of succinate in human obesity are linked to specific gut microbiota. <i>ISME Journal</i> , 2018 , 12, 1642-1657 | 11.9 | 132 |
| 436 | Effects of iron overload on chronic metabolic diseases. <i>Lancet Diabetes and Endocrinology</i> , 2014 , 2, 513-26 | 18.1 | 131 |
| 435 | Obesity changes the human gut mycobiome. <i>Scientific Reports</i> , 2015 , 5, 14600 | 4.9 | 130 |
| 434 | Effect of massive weight loss on inflammatory adipocytokines and the innate immune system in morbidly obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 483-90 | 5.6 | 130 |
| 433 | Nicotinamide N-methyltransferase regulates hepatic nutrient metabolism through Sirt1 protein stabilization. <i>Nature Medicine</i> , 2015 , 21, 887-94 | 50.5 | 129 |
| 432 | Lifetime obesity in patients with eating disorders: increasing prevalence, clinical and personality correlates. <i>European Eating Disorders Review</i> , 2012 , 20, 250-4 | 5.3 | 127 |
| 431 | Adipocytokines and insulin resistance: the possible role of lipocalin-2, retinol binding protein-4, and adiponectin. <i>Diabetes Care</i> , 2009 , 32 Suppl 2, S362-7 | 14.6 | 125 |
| 430 | Genetic deficiency of indoleamine 2,3-dioxygenase promotes gut microbiota-mediated metabolic health. <i>Nature Medicine</i> , 2018 , 24, 1113-1120 | 50.5 | 121 |
| 429 | Body mass index has a greater impact on pregnancy outcomes than gestational hyperglycaemia. <i>Diabetologia</i> , 2005 , 48, 1736-42 | 10.3 | 119 |
| 428 | Circulating retinol-binding protein-4, insulin sensitivity, insulin secretion, and insulin disposition index in obese and nonobese subjects. <i>Diabetes Care</i> , 2007 , 30, 1802-6 | 14.6 | 118 |
| 427 | Association of irisin with fat mass, resting energy expenditure, and daily activity in conditions of extreme body mass index. <i>International Journal of Endocrinology</i> , 2014 , 2014, 857270 | 2.7 | 117 |
| 426 | Persistent body fat mass and inflammatory marker increases after long-term cure of Cushing's syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 3365-71 | 5.6 | 114 |
| 425 | Iron stores, blood donation, and insulin sensitivity and secretion. <i>Clinical Chemistry</i> , 2005 , 51, 1201-5 | 5.5 | 114 |
| 424 | The L-Elysophosphatidylinositol/GPR55 system and its potential role in human obesity. <i>Diabetes</i> , 2012 , 61, 281-91 | 0.9 | 112 |
| 423 | Mechanisms Linking Glucose Homeostasis and Iron Metabolism Toward the Onset and Progression of Type 2 Diabetes. <i>Diabetes Care</i> , 2015 , 38, 2169-76 | 14.6 | 107 |
| 422 | Thyroid function is intrinsically linked to insulin sensitivity and endothelium-dependent vasodilation in healthy euthyroid subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 3337-43 | 5.6 | 102 |
| 421 | Body iron stores and early neurologic deterioration in acute cerebral infarction. <i>Neurology</i> , 2000 , 54, 1568-74 | 6.5 | 99 |
| 420 | Grape-seed procyanidins modulate inflammation on human differentiated adipocytes in vitro. <i>Cytokine</i> , 2009 , 47, 137-42 | 4 | 97 |

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| 419 | Thyroid hormones induce browning of white fat. <i>Journal of Endocrinology</i> , 2017 , 232, 351-362 | 4.7 | 96 |
| 418 | Gut microbiota interactions with obesity, insulin resistance and type 2 diabetes: did gut microbiote co-evolve with insulin resistance?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011 , 14, 483-90 | 3.8 | 93 |
| 417 | A polymorphism in the promoter of the tumor necrosis factor-alpha gene (-308) is associated with coronary heart disease in type 2 diabetic patients. <i>Atherosclerosis</i> , 2003 , 167, 257-64 | 3.1 | 93 |
| 416 | Iron-related damage in acute ischemic stroke. <i>Stroke</i> , 1994 , 25, 1543-6 | 6.7 | 93 |
| 415 | Circulating omentin as a novel biomarker of endothelial dysfunction. <i>Obesity</i> , 2011 , 19, 1552-9 | 8 | 92 |
| 414 | IL6 gene promoter polymorphisms and type 2 diabetes: joint analysis of individual participantsO data from 21 studies. <i>Diabetes</i> , 2006 , 55, 2915-21 | 0.9 | 91 |
| 413 | Gut Microbiota Interacts With Brain Microstructure and Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 4505-13 | 5.6 | 88 |
| 412 | Adiponectin is associated with vascular function independent of insulin sensitivity. <i>Diabetes Care</i> , 2004 , 27, 739-45 | 14.6 | 85 |
| 411 | The gene expression of the main lipogenic enzymes is downregulated in visceral adipose tissue of obese subjects. <i>Obesity</i> , 2010 , 18, 13-20 | 8 | 84 |
| 410 | Adiponectin, hepatocellular dysfunction and insulin sensitivity. <i>Clinical Endocrinology</i> , 2004 , 60, 256-63 | 3.4 | 83 |
| 409 | Serum corticosteroid-binding globulin concentration and insulin resistance syndrome: a population study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 4686-90 | 5.6 | 81 |
| 408 | Differential proteomics of omental and subcutaneous adipose tissue reflects their unlike biochemical and metabolic properties. <i>Journal of Proteome Research</i> , 2009 , 8, 1682-93 | 5.6 | 79 |
| 407 | CD14 monocyte receptor, involved in the inflammatory cascade, and insulin sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 1780-4 | 5.6 | 79 |
| 406 | CD14 modulates inflammation-driven insulin resistance. <i>Diabetes</i> , 2011 , 60, 2179-86 | 0.9 | 78 |
| 405 | Potential impact of American Diabetes Association (2000) criteria for diagnosis of gestational diabetes mellitus in Spain. <i>Diabetologia</i> , 2005 , 48, 1135-41 | 10.3 | 78 |
| 404 | Increased levels of calprotectin in obesity are related to macrophage content: impact on inflammation and effect of weight loss. <i>Molecular Medicine</i> , 2011 , 17, 1157-67 | 6.2 | 77 |
| 403 | Innate immunity, insulin resistance and type 2 diabetes. <i>Diabetologia</i> , 2012 , 55, 273-8 | 10.3 | 76 |
| 402 | A role for adipocyte-derived lipopolysaccharide-binding protein in inflammation- and obesity-associated adipose tissue dysfunction. <i>Diabetologia</i> , 2013 , 56, 2524-37 | 10.3 | 75 |

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|-----|---|------|----|
| 401 | Circulating pigment epithelium-derived factor levels are associated with insulin resistance and decrease after weight loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 4720-8 | 5.6 | 75 |
| 400 | Complement factor H is expressed in adipose tissue in association with insulin resistance. <i>Diabetes</i> , 2010 , 59, 200-9 | 0.9 | 74 |
| 399 | Adipose tissue expression of the glycerol channel aquaporin-7 gene is altered in severe obesity but not in type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 3640-5 | 5.6 | 74 |
| 398 | Decreased lipid metabolism but increased FA biosynthesis are coupled with changes in liver microRNAs in obese subjects with NAFLD. <i>International Journal of Obesity</i> , 2017 , 41, 620-630 | 5.5 | 73 |
| 397 | OCT1 Expression in adipocytes could contribute to increased metformin action in obese subjects. <i>Diabetes</i> , 2011 , 60, 168-76 | 0.9 | 73 |
| 396 | Metabolic endotoxemia and saturated fat contribute to circulating NGAL concentrations in subjects with insulin resistance. <i>International Journal of Obesity</i> , 2010 , 34, 240-9 | 5.5 | 72 |
| 395 | Polymorphism of the tumor necrosis factor-alpha receptor 2 gene is associated with obesity, leptin levels, and insulin resistance in young subjects and diet-treated type 2 diabetic patients. <i>Diabetes Care</i> , 2000 , 23, 831-7 | 14.6 | 72 |
| 394 | Gestational diabetes is associated with changes in placental microbiota and microbiome. <i>Pediatric Research</i> , 2016 , 80, 777-784 | 3.2 | 72 |
| 393 | Inflammation triggers specific microRNA profiles in human adipocytes and macrophages and in their supernatants. <i>Clinical Epigenetics</i> , 2015 , 7, 49 | 7.7 | 71 |
| 392 | Circulating irisin levels and coronary heart disease: association with future acute coronary syndrome and major adverse cardiovascular events. <i>International Journal of Obesity</i> , 2015 , 39, 156-61 | 5.5 | 70 |
| 391 | Altered Circulating miRNA Expression Profile in Pregestational and Gestational Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, E1446-56 | 5.6 | 68 |
| 390 | Serum 25-hydroxyvitamin D and adipose tissue vitamin D receptor gene expression: relationship with obesity and type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, E591-5 | 5.6 | 67 |
| 389 | Circulating adiponectin and plasma fatty acid profile. <i>Clinical Chemistry</i> , 2005 , 51, 603-9 | 5.5 | 66 |
| 388 | Total and undercarboxylated osteocalcin predict changes in insulin sensitivity and β cell function in elderly men at high cardiovascular risk. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 249-55 | 7 | 65 |
| 387 | A Mediterranean diet enriched with olive oil is associated with higher serum total osteocalcin levels in elderly men at high cardiovascular risk. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 3792-8 | 5.6 | 63 |
| 386 | Blood letting in high-ferritin type 2 diabetes: effects on vascular reactivity. <i>Diabetes Care</i> , 2002 , 25, 2249-55 | 1.4 | 63 |
| 385 | Study of glucose tolerance in consecutive patients harbouring incidental adrenal tumours. Study Group of Incidental Adrenal Adenoma. <i>Clinical Endocrinology</i> , 1998 , 49, 53-61 | 3.4 | 61 |
| 384 | Tumor necrosis factor system activity is associated with insulin resistance and dyslipidemia in myotonic dystrophy. <i>Diabetes</i> , 1999 , 48, 1108-12 | 0.9 | 61 |

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| 383 | Interleukin-6 Gene Polymorphism and Lipid Abnormalities in Healthy Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 1334-1339 | 5.6 | 61 |
| 382 | Secreted frizzled-related protein 1 regulates adipose tissue expansion and is dysregulated in severe obesity. <i>International Journal of Obesity</i> , 2010 , 34, 1695-705 | 5.5 | 60 |
| 381 | Serum interleukin-6 correlates with endothelial dysfunction in healthy men independently of insulin sensitivity. <i>Diabetes Care</i> , 2007 , 30, 939-45 | 14.6 | 60 |
| 380 | Decreased circulating lactoferrin in insulin resistance and altered glucose tolerance as a possible marker of neutrophil dysfunction in type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 4036-44 | 5.6 | 59 |
| 379 | Smell-taste dysfunctions in extreme weight/eating conditions: analysis of hormonal and psychological interactions. <i>Endocrine</i> , 2016 , 51, 256-67 | 4 | 58 |
| 378 | Circulating profiling reveals the effect of a polyunsaturated fatty acid-enriched diet on common microRNAs. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 1095-101 | 6.3 | 57 |
| 377 | Shedding of TNF-alpha receptors, blood pressure, and insulin sensitivity in type 2 diabetes mellitus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 282, E952-9 | 6 | 57 |
| 376 | Short-term mortality of myocardial infarction patients with diabetes or hyperglycaemia during admission. <i>Journal of Epidemiology and Community Health</i> , 2002 , 56, 707-12 | 5.1 | 57 |
| 375 | Alarmin high-mobility group B1 (HMGB1) is regulated in human adipocytes in insulin resistance and influences insulin secretion in β cells. <i>International Journal of Obesity</i> , 2014 , 38, 1545-54 | 5.5 | 56 |
| 374 | Adaptive changes of the Insig1/SREBP1/SCD1 set point help adipose tissue to cope with increased storage demands of obesity. <i>Diabetes</i> , 2013 , 62, 3697-708 | 0.9 | 56 |
| 373 | The TNF-alpha gene Nco I polymorphism influences the relationship among insulin resistance, percent body fat, and increased serum leptin levels. <i>Diabetes</i> , 1997 , 46, 1468-1472 | 0.9 | 54 |
| 372 | Serum lipopolysaccharide-binding protein as a marker of atherosclerosis. <i>Atherosclerosis</i> , 2013 , 230, 223-7 | 3.1 | 53 |
| 371 | Circulating irisin levels are positively associated with metabolic risk factors in sedentary subjects. <i>PLoS ONE</i> , 2015 , 10, e0124100 | 3.7 | 53 |
| 370 | Association of circulating lactoferrin concentration and 2 nonsynonymous LTF gene polymorphisms with dyslipidemia in men depends on glucose-tolerance status. <i>Clinical Chemistry</i> , 2008 , 54, 301-9 | 5.5 | 52 |
| 369 | Study of the proinflammatory role of human differentiated omental adipocytes. <i>Journal of Cellular Biochemistry</i> , 2009 , 107, 1107-17 | 4.7 | 51 |
| 368 | Insulin resistance is associated with increased serum concentration of IGF-binding protein-related protein 1 (IGFBP-rP1/MAC25). <i>Diabetes</i> , 2006 , 55, 2333-9 | 0.9 | 50 |
| 367 | Genome-wide DNA methylation pattern in visceral adipose tissue differentiates insulin-resistant from insulin-sensitive obese subjects. <i>Translational Research</i> , 2016 , 178, 13-24.e5 | 11 | 50 |
| 366 | Resistance training improves cardiovascular risk factors in obese women despite a significant decrease in serum adiponectin levels. <i>Obesity</i> , 2010 , 18, 535-41 | 8 | 49 |

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| 365 | The postprandial inflammatory response after ingestion of heated oils in obese persons is reduced by the presence of phenol compounds. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 510-4 | 5.9 | 48 |
| 364 | Lowering of blood pressure leads to decreased circulating interleukin-6 in hypertensive subjects. <i>Journal of Human Hypertension</i> , 2005 , 19, 457-62 | 2.6 | 48 |
| 363 | Joint analysis of individual participants' data from 17 studies on the association of the IL6 variant -174G>C with circulating glucose levels, interleukin-6 levels, and body mass index. <i>Annals of Medicine</i> , 2009 , 41, 128-38 | 1.5 | 47 |
| 362 | Insulin sensitivity and resistin levels in gestational diabetes mellitus and after parturition. <i>European Journal of Endocrinology</i> , 2008 , 158, 173-8 | 6.5 | 47 |
| 361 | Plasma PTX3 protein levels inversely correlate with insulin secretion and obesity, whereas visceral adipose tissue PTX3 gene expression is increased in obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 301, E1254-61 | 6 | 46 |
| 360 | Gut Microbiota Interacts with Markers of Adipose Tissue Browning, Insulin Action and Plasma Acetate in Morbid Obesity. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, 1700721 | 5.9 | 46 |
| 359 | Dysregulation of Placental miRNA in Maternal Obesity Is Associated With Pre- and Postnatal Growth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 2584-2594 | 5.6 | 45 |
| 358 | Olive oil phenolic compounds decrease the postprandial inflammatory response by reducing postprandial plasma lipopolysaccharide levels. <i>Food Chemistry</i> , 2014 , 162, 161-71 | 8.5 | 45 |
| 357 | Circulating visfatin is associated with parameters of iron metabolism in subjects with altered glucose tolerance. <i>Diabetes Care</i> , 2007 , 30, 616-21 | 14.6 | 45 |
| 356 | Serum and urinary concentrations of calprotectin as markers of insulin resistance and type 2 diabetes. <i>European Journal of Endocrinology</i> , 2012 , 167, 569-78 | 6.5 | 44 |
| 355 | Type I iodothyronine 5 α -deiodinase mRNA and activity is increased in adipose tissue of obese subjects. <i>International Journal of Obesity</i> , 2012 , 36, 320-4 | 5.5 | 44 |
| 354 | A link between bone mineral density and serum adiponectin and visfatin levels in acromegaly. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 3889-96 | 5.6 | 44 |
| 353 | Peroxisome proliferator-activated receptor δ dependent regulation of lipolytic nodes and metabolic flexibility. <i>Molecular and Cellular Biology</i> , 2012 , 32, 1555-65 | 4.8 | 44 |
| 352 | Mannose-binding lectin gene polymorphisms are associated with gestational diabetes mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 5081-7 | 5.6 | 44 |
| 351 | An increase in visceral fat is associated with a decrease in the taste and olfactory capacity. <i>PLoS ONE</i> , 2017 , 12, e0171204 | 3.7 | 43 |
| 350 | Insulin resistance modulates iron-related proteins in adipose tissue. <i>Diabetes Care</i> , 2014 , 37, 1092-100 | 14.6 | 43 |
| 349 | Expression of TWEAK and its receptor Fn14 in human subcutaneous adipose tissue. Relationship with other inflammatory cytokines in obesity. <i>Cytokine</i> , 2006 , 33, 129-37 | 4 | 43 |
| 348 | Pro12Ala substitution in the peroxisome proliferator-activated receptor- γ is associated with increased leptin levels in women with type-2 diabetes mellitus. <i>Hormone Research in Paediatrics</i> , 2002 , 58, 143-9 | 3.3 | 43 |

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|-----|---|------|----|
| 347 | Maternal glucose tolerance status influences the risk of macrosomia in male but not in female fetuses. <i>Journal of Epidemiology and Community Health</i> , 2009 , 63, 64-8 | 5.1 | 42 |
| 346 | Lactoferrin increases (172Thr)AMPK phosphorylation and insulin-induced (p473Ser)AKT while impairing adipocyte differentiation. <i>International Journal of Obesity</i> , 2009 , 33, 991-1000 | 5.5 | 42 |
| 345 | Deleterious effects of glucocorticoid replacement on bone in women after long-term remission of Cushing's syndrome. <i>Journal of Bone and Mineral Research</i> , 2009 , 24, 1841-6 | 6.3 | 42 |
| 344 | Bloodletting ameliorates insulin sensitivity and secretion in parallel to reducing liver iron in carriers of HFE gene mutations. <i>Diabetes Care</i> , 2008 , 31, 3-8 | 14.6 | 42 |
| 343 | Pre-clinical Cushing's syndrome: report of three cases and literature review. <i>Hormone Research</i> , 1994 , 41, 230-5 | | 42 |
| 342 | Structural damage in diabetic nephropathy is associated with TNF- β system activity. <i>Acta Diabetologica</i> , 2012 , 49, 301-5 | 3.9 | 41 |
| 341 | FABP4 dynamics in obesity: discrepancies in adipose tissue and liver expression regarding circulating plasma levels. <i>PLoS ONE</i> , 2012 , 7, e48605 | 3.7 | 41 |
| 340 | Telomere length of subcutaneous adipose tissue cells is shorter in obese and formerly obese subjects. <i>International Journal of Obesity</i> , 2010 , 34, 1345-8 | 5.5 | 41 |
| 339 | Polymorphisms in the interleukin-6 receptor gene are associated with body mass index and with characteristics of the metabolic syndrome. <i>Clinical Endocrinology</i> , 2006 , 65, 88-91 | 3.4 | 41 |
| 338 | Brain iron overload, insulin resistance, and cognitive performance in obese subjects: a preliminary MRI case-control study. <i>Diabetes Care</i> , 2014 , 37, 3076-83 | 14.6 | 40 |
| 337 | Relationship between eating styles and temperament in an Anorexia Nervosa, Healthy Control, and Morbid Obesity female sample. <i>Appetite</i> , 2014 , 76, 76-83 | 4.5 | 40 |
| 336 | Monocyte chemoattractant protein-1 in obesity and type 2 diabetes. Insulin sensitivity study. <i>Obesity</i> , 2007 , 15, 664-72 | 8 | 40 |
| 335 | Plasma levels of the soluble fraction of tumor necrosis factor receptors 1 and 2 are independent determinants of plasma cholesterol and LDL-cholesterol concentrations in healthy subjects. <i>Atherosclerosis</i> , 1999 , 146, 321-7 | 3.1 | 40 |
| 334 | Ectopic thyroid tissue presenting as a submandibular mass. <i>Head and Neck</i> , 1996 , 18, 87-90 | 4.2 | 40 |
| 333 | Fine-tuned iron availability is essential to achieve optimal adipocyte differentiation and mitochondrial biogenesis. <i>Diabetologia</i> , 2014 , 57, 1957-67 | 10.3 | 39 |
| 332 | The gut microbiota profile is associated with insulin action in humans. <i>Acta Diabetologica</i> , 2013 , 50, 753-61 | 6.1 | 39 |
| 331 | White fish reduces cardiovascular risk factors in patients with metabolic syndrome: the WISH-CARE study, a multicenter randomized clinical trial. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014 , 24, 328-35 | 4.5 | 39 |
| 330 | Proteasome Dysfunction Associated to Oxidative Stress and Proteotoxicity in Adipocytes Compromises Insulin Sensitivity in Human Obesity. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 597-612 | 8.4 | 38 |

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|-----|---|------|----|
| 329 | Human omental and subcutaneous adipose tissue exhibit specific lipidomic signatures. <i>FASEB Journal</i> , 2014 , 28, 1071-81 | 0.9 | 38 |
| 328 | Older type 2 diabetic patients are more likely to achieve glycaemic and cardiovascular risk factors targets than younger patients: analysis of a primary care database. <i>International Journal of Clinical Practice</i> , 2015 , 69, 1486-95 | 2.9 | 38 |
| 327 | Extracellular fatty acid synthase: a possible surrogate biomarker of insulin resistance. <i>Diabetes</i> , 2010 , 59, 1506-11 | 0.9 | 38 |
| 326 | Human serum levels of fetal antigen 1 (FA1/Dlk1) increase with obesity, are negatively associated with insulin sensitivity and modulate inflammation in vitro. <i>International Journal of Obesity</i> , 2008 , 32, 1122-9 | 5.5 | 38 |
| 325 | Identification and characterization of a novel spliced variant that encodes human soluble tumor necrosis factor receptor 2. <i>International Immunology</i> , 2004 , 16, 169-77 | 4.9 | 38 |
| 324 | Circulating retinol-binding protein-4 concentration might reflect insulin resistance-associated iron overload. <i>Diabetes</i> , 2008 , 57, 1918-25 | 0.9 | 37 |
| 323 | Burden of infection and fat mass in healthy middle-aged men. <i>Obesity</i> , 2007 , 15, 245-52 | 8 | 37 |
| 322 | Circulating soluble transferrin receptor according to glucose tolerance status and insulin sensitivity. <i>Diabetes Care</i> , 2007 , 30, 604-8 | 14.6 | 37 |
| 321 | Maternal soluble tumour necrosis factor receptor type 2 (sTNFR2) and adiponectin are both related to blood pressure during gestation and infant@ birthweight. <i>Clinical Endocrinology</i> , 2004 , 61, 544-52 | 3.4 | 37 |
| 320 | miRNAs in cerebrospinal fluid identify patients with MS and specifically those with lipid-specific oligoclonal IgM bands. <i>Multiple Sclerosis Journal</i> , 2017 , 23, 1716-1726 | 5 | 36 |
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| 167 | Tumour necrosis factor receptors (TNFRs) in Type 2 diabetes. Analysis of soluble plasma fractions and genetic variations of TNFR2 gene in a case-control study. <i>Diabetic Medicine</i> , 2005 , 22, 387-92 | 3.5 | 14 |
| 166 | Opposite relationship between circulating soluble CD14 concentration and endothelial function in diabetic and nondiabetic subjects. <i>Thrombosis and Haemostasis</i> , 2005 , 94, 615-9 | 7 | 14 |
| 165 | The MRC1/CD68 ratio is positively associated with adipose tissue lipogenesis and with muscle mitochondrial gene expression in humans. <i>PLoS ONE</i> , 2013 , 8, e70810 | 3.7 | 14 |
| 164 | Compounds that modulate AMPK activity and hepatic steatosis impact the biosynthesis of microRNAs required to maintain lipid homeostasis in hepatocytes. <i>EBioMedicine</i> , 2020 , 53, 102697 | 8.8 | 13 |
| 163 | Heme Biosynthetic Pathway is Functionally Linked to Adipogenesis via Mitochondrial Respiratory Activity. <i>Obesity</i> , 2017 , 25, 1723-1733 | 8 | 13 |
| 162 | The decrease of serum levels of human neutrophil alpha-defensins parallels with the surgery-induced amelioration of NASH in obesity. <i>Obesity Surgery</i> , 2010 , 20, 1682-9 | 3.7 | 13 |
| 161 | Sporadic heteroplasmic single 5.5 kb mitochondrial DNA deletion associated with cerebellar ataxia, hypogonadotropic hypogonadism, choroidal dystrophy, and mitochondrial respiratory chain complex I deficiency. <i>Human Mutation</i> , 1997 , 10, 212-6 | 4.7 | 13 |
| 160 | Different TNFalpha expression elicited by glucose in monocytes from type 2 diabetes mellitus patients. <i>Atherosclerosis</i> , 2007 , 194, e18-25 | 3.1 | 13 |
| 159 | Adiponectin is independently associated with glycosylated haemoglobin. <i>European Journal of Endocrinology</i> , 2004 , 150, 201-5 | 6.5 | 13 |
| 158 | Neuregulin 4 Is a Novel Marker of Beige Adipocyte Precursor Cells in Human Adipose Tissue. <i>Frontiers in Physiology</i> , 2019 , 10, 39 | 4.6 | 12 |
| 157 | Thyroid hormone receptor alpha gene variants increase the risk of developing obesity and show gene-diet interactions. <i>International Journal of Obesity</i> , 2013 , 37, 1499-505 | 5.5 | 12 |
| 156 | Common genetic variants of surfactant protein-D (SP-D) are associated with type 2 diabetes. <i>PLoS ONE</i> , 2013 , 8, e60468 | 3.7 | 12 |
| 155 | The alarm secretory leukocyte protease inhibitor increases with progressive metabolic dysfunction. <i>Clinica Chimica Acta</i> , 2011 , 412, 1122-6 | 6.2 | 12 |
| 154 | Circulating glucagon is associated with inflammatory mediators in metabolically compromised subjects. <i>European Journal of Endocrinology</i> , 2011 , 165, 639-45 | 6.5 | 12 |
| 153 | The tumour necrosis factor (TNF)-alpha-308GA promoter polymorphism is related to prenatal growth and postnatal insulin resistance. <i>Clinical Endocrinology</i> , 2006 , 64, 129-35 | 3.4 | 12 |
| 152 | LncRNAs in Adipose Tissue from Obese and Insulin-Resistant Subjects: New Targets for Therapy?. <i>EBioMedicine</i> , 2018 , 30, 10-11 | 8.8 | 11 |
| 151 | Breath gas concentrations mirror exposure to sevoflurane and isopropyl alcohol in hospital environments in non-occupational conditions. <i>Journal of Breath Research</i> , 2016 , 10, 016001 | 3.1 | 11 |
| 150 | Targeting the association of calgranulin B (S100A9) with insulin resistance and type 2 diabetes. <i>Journal of Molecular Medicine</i> , 2013 , 91, 523-34 | 5.5 | 11 |

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| 149 | Nonalcoholic fatty liver disease and age are strong indicators for atherosclerosis in morbid obesity. <i>Clinical Endocrinology</i> , 2015 , 83, 180-6 | 3.4 | 11 |
| 148 | Role of diabetes- and obesity-related protein in the regulation of osteoblast differentiation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 301, E40-8 | 6 | 11 |
| 147 | mRNA is linked to cholesterol metabolism in adipose tissue. <i>FASEB Journal</i> , 2017 , 31, 4482-4491 | 0.9 | 10 |
| 146 | Circulating soluble transferrin receptor concentration decreases after exercise-induced improvement of insulin sensitivity in obese individuals. <i>International Journal of Obesity</i> , 2009 , 33, 768-74 | 5.5 | 10 |
| 145 | Lipopolysaccharide-binding protein and soluble CD14 in the vitreous fluid of patients with proliferative diabetic retinopathy. <i>Retina</i> , 2010 , 30, 345-52 | 3.6 | 10 |
| 144 | Serum HER-2 concentration is associated with insulin resistance and decreases after weight loss. <i>Nutrition and Metabolism</i> , 2010 , 7, 14 | 4.6 | 10 |
| 143 | Lower cortisol levels after oral glucose in subjects with insulin resistance and abdominal obesity. <i>Clinical Endocrinology</i> , 1997 , 47, 583-8 | 3.4 | 10 |
| 142 | An alternative spliced variant of circulating soluble tumor necrosis factor-alpha receptor-2 is paradoxically associated with insulin action. <i>European Journal of Endocrinology</i> , 2006 , 154, 723-30 | 6.5 | 10 |
| 141 | Differential regulation of insulin action and tumor necrosis factor alpha system activity by metformin. <i>Metabolism: Clinical and Experimental</i> , 2005 , 54, 235-9 | 12.7 | 10 |
| 140 | Plasma soluble tumor necrosis factor-alpha receptors circulate in proportion to leptin levels during the menstrual cycle in lean but not in obese women. <i>European Journal of Endocrinology</i> , 2000 , 143, 235-41 | 6.5 | 10 |
| 139 | Familial papillary thyroid microcarcinoma. <i>Lancet, The</i> , 1999 , 353, 1973-4 | 40 | 10 |
| 138 | Increased prothrombin fragment 1 + 2 and D-dimer in first-degree relatives of type 2 diabetic patients. Prethrombotic state in relatives of type 2 diabetic patients. <i>Acta Diabetologica</i> , 1996 , 33, 118-21 | 3.9 | 10 |
| 137 | Soluble transferrin receptor levels are positively associated with insulin resistance but not with the metabolic syndrome or its individual components. <i>British Journal of Nutrition</i> , 2016 , 116, 1165-1174 | 3.6 | 10 |
| 136 | Comparative and functional analysis of plasma membrane-derived extracellular vesicles from obese vs. nonobese women. <i>Clinical Nutrition</i> , 2020 , 39, 1067-1076 | 5.9 | 10 |
| 135 | Decreased TLR3 in Hyperplastic Adipose Tissue, Blood and Inflamed Adipocytes is Related to Metabolic Inflammation. <i>Cellular Physiology and Biochemistry</i> , 2018 , 51, 1051-1068 | 3.9 | 10 |
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| 133 | Serum Ferritin Relates to Carotid Intima-Media Thickness in Offspring of Fathers With Higher Serum Ferritin Levels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 174-80 | 9.4 | 9 |
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| 130 | An alternatively spliced soluble TNF-alpha receptor is associated with metabolic disorders: a replication study. <i>Clinical Immunology</i> , 2006 , 121, 236-41 | 9 | 9 |
| 129 | Circulating soluble CD14 monocyte receptor is associated with increased alanine aminotransferase. <i>Clinical Chemistry</i> , 2004 , 50, 1456-8 | 5.5 | 9 |
| 128 | Potential role of interleukin-18 in liver disease associated with insulin resistance. <i>Obesity</i> , 2005 , 13, 1925-31 | | 9 |
| 127 | GH secretion status in myotonic dystrophy. <i>Psychoneuroendocrinology</i> , 1993 , 18, 183-90 | 5 | 9 |
| 126 | Adipocyte Differentiation 2017 , 69-90 | | 9 |
| 125 | Nicotine Actions on energy balance: Friend or foe?. <i>Pharmacology & Therapeutics</i> , 2021 , 219, 107693 | 13.9 | 9 |
| 124 | Hydrogen sulfide impacts on inflammation-induced adipocyte dysfunction. <i>Food and Chemical Toxicology</i> , 2019 , 131, 110543 | 4.7 | 8 |
| 123 | Circulating Soluble CD36 is Similar in Type 1 and Type 2 Diabetes Mellitus versus Non-Diabetic Subjects. <i>Journal of Clinical Medicine</i> , 2019 , 8, | 5.1 | 8 |
| 122 | Identification and validation of circulating miRNAs as endogenous controls in obstructive sleep apnea. <i>PLoS ONE</i> , 2019 , 14, e0213622 | 3.7 | 8 |
| 121 | Interaction Between Orexin-A and Sleep Quality in Females in Extreme Weight Conditions. <i>European Eating Disorders Review</i> , 2016 , 24, 510-517 | 5.3 | 8 |
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| 119 | Insulin resistance is associated with decreased circulating mannan-binding lectin concentrations in women with polycystic ovary syndrome. <i>Diabetes Care</i> , 2008 , 31, e20 | 14.6 | 8 |
| 118 | Activation of Endogenous HS Biosynthesis or Supplementation with Exogenous HS Enhances Adipose Tissue Adipogenesis and Preserves Adipocyte Physiology in Humans. <i>Antioxidants and Redox Signaling</i> , 2021 , 35, 319-340 | 8.4 | 8 |
| 117 | Adipose tissue and serum CCDC80 in obesity and its association with related metabolic disease. <i>Molecular Medicine</i> , 2017 , 23, 225-234 | 6.2 | 7 |
| 116 | Recommendations for the detection, diagnosis and follow-up of patients with non-alcoholic fatty liver disease in primary and hospital care. <i>Medicina Clínica</i> , 2019 , 153, 169-177 | 1 | 7 |
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| 113 | Contrasting association of circulating sCD14 with insulin sensitivity in non-obese and morbidly obese subjects. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 103-9 | 5.9 | 7 |
| 112 | Iron Status and Metabolically Unhealthy Obesity in Prepubertal Children. <i>Obesity</i> , 2019 , 27, 636-644 | 8 | 7 |
| 111 | Adipose tissue TSH as a new modulator of human adipocyte mitochondrial function. <i>International Journal of Obesity</i> , 2019 , 43, 1611-1619 | 5.5 | 7 |
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| 108 | Microbiota alterations in proline metabolism impact depression.. <i>Cell Metabolism</i> , 2022 , 34, 681-701.e1024.6 | | 7 |
| 107 | Adipocyte lipopolysaccharide binding protein (LBP) is linked to a specific lipidomic signature. <i>Obesity</i> , 2017 , 25, 391-400 | 8 | 6 |
| 106 | Ferritin levels throughout childhood and metabolic syndrome in adolescent stage. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2019 , 29, 268-278 | 4.5 | 6 |
| 105 | Glycated Hemoglobin, but not Insulin Sensitivity, is Associated with Memory in Subjects with Obesity. <i>Obesity</i> , 2019 , 27, 932-942 | 8 | 6 |
| 104 | The Aging Imageomics Study: rationale, design and baseline characteristics of the study population. <i>Mechanisms of Ageing and Development</i> , 2020 , 189, 111257 | 5.6 | 6 |
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| 102 | Carnosine supplementation reduces plasma soluble transferrin receptor in healthy overweight or obese individuals: a pilot randomised trial. <i>Amino Acids</i> , 2019 , 51, 73-81 | 3.5 | 6 |
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| 100 | Adipose tissue Ecrystallin is a thyroid hormone-binding protein associated with systemic insulin sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E2259-68 | 5.6 | 6 |
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| 96 | Reduced circulating levels of sTWEAK are associated with NAFLD and may affect hepatocyte triglyceride accumulation. <i>International Journal of Obesity</i> , 2016 , 40, 1337-45 | 5.5 | 6 |

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| 95 | Weight loss normalizes enhanced expression of the oncogene survivin in visceral adipose tissue and blood leukocytes from individuals with obesity. <i>International Journal of Obesity</i> , 2021 , 45, 206-216 | 5.5 | 6 |
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| 93 | Morbidly obese subjects show increased serum sulfide in proportion to fat mass. <i>International Journal of Obesity</i> , 2021 , 45, 415-426 | 5.5 | 6 |
| 92 | Lysozyme is a component of the innate immune system linked to obesity associated-chronic low-grade inflammation and altered glucose tolerance. <i>Clinical Nutrition</i> , 2021 , 40, 1420-1429 | 5.9 | 6 |
| 91 | FGF15/19 is required for adipose tissue plasticity in response to thermogenic adaptations. <i>Molecular Metabolism</i> , 2021 , 43, 101113 | 8.8 | 6 |
| 90 | Transducin-like enhancer of split 3 (TLE3) in adipose tissue is increased in situations characterized by decreased PPAR γ gene expression. <i>Journal of Molecular Medicine</i> , 2015 , 93, 83-92 | 5.5 | 5 |
| 89 | The APOA1bp-SREBF-NOTCH axis is associated with reduced atherosclerosis risk in morbidly obese patients. <i>Clinical Nutrition</i> , 2020 , 39, 3408-3418 | 5.9 | 5 |
| 88 | Phosphorylated S6K1 (Thr389) is a molecular adipose tissue marker of altered glucose tolerance. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 32-8 | 6.3 | 5 |
| 87 | Complicaciones nutricionales despu \acute{e} s del tratamiento quir \acute{u} rgico de la obesidad: \acute{e} qu \acute{e} ocurre en el bypass g \acute{a} strico?. <i>Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion</i> , 2007 , 54, 193-199 | | 5 |
| 86 | Primary hypothyroidism and concomitant bilateral ovarian masses. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 1995 , 8, 263-6 | 1.6 | 5 |
| 85 | Hyponatremia and benzodiazepines result in rhabdomyolysis. <i>Annals of Pharmacotherapy</i> , 1994 , 28, 1200-1 | 2.9 | 5 |
| 84 | Adipose TSHB in Humans and Serum TSH in Hypothyroid Rats Inform About Cellular Senescence. <i>Cellular Physiology and Biochemistry</i> , 2018 , 51, 142-153 | 3.9 | 5 |
| 83 | Carotid pulse wave velocity by magnetic resonance imaging is increased in middle-aged subjects with the metabolic syndrome. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 603-12 | 2.5 | 4 |
| 82 | Circulating hepcidin is independently associated with systolic blood pressure in apparently healthy individuals. <i>Archives of Medical Research</i> , 2015 , 46, 507-13 | 6.6 | 4 |
| 81 | Coxsackie and adenovirus receptor is increased in adipose tissue of obese subjects: a role for adenovirus infection?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 1156-63 | 5.6 | 4 |
| 80 | The possible role of antimicrobial proteins in obesity-associated immunologic alterations. <i>Expert Review of Clinical Immunology</i> , 2014 , 10, 855-66 | 5.1 | 4 |
| 79 | Decreased serum creatinine concentration is associated with short telomeres of adipose tissue cells. <i>Obesity</i> , 2011 , 19, 1511-4 | 8 | 4 |
| 78 | Decrease in FASN expression in adipose tissue of hypertensive individuals. <i>American Journal of Hypertension</i> , 2009 , 22, 1258-62 | 2.3 | 4 |

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| 77 | Soluble TNF-alpha receptor 2 produced by alternative splicing is paradoxically associated with markers of liver injury. <i>Clinical Immunology</i> , 2007 , 123, 89-94 | 9 | 4 |
| 76 | Insulin response to intravenous glucose correlates with plasma levels of the tumor necrosis factor receptor-1. <i>Diabetes Care</i> , 1999 , 22, 868-70 | 14.6 | 4 |
| 75 | Expression of ICAM-1 in distant metastatic thyroid carcinoma. <i>Journal of Endocrinological Investigation</i> , 1996 , 19, 183-5 | 5.2 | 4 |
| 74 | Increased prothrombin fragment 1+2 and D-dimer in first-degree relatives of type 2 diabetic patients 1996 , 33, 118 | | 4 |
| 73 | Combining metabolic profiling of plasma and faeces as a fingerprint of insulin resistance in obesity. <i>Clinical Nutrition</i> , 2020 , 39, 2292-2300 | 5.9 | 4 |
| 72 | MicroRNA Profile of Cardiovascular Risk in Patients with Obstructive Sleep Apnea. <i>Respiration</i> , 2020 , 99, 1122-1128 | 3.7 | 4 |
| 71 | Caudovirales bacteriophages are associated with improved executive function and memory in flies, mice, and humans.. <i>Cell Host and Microbe</i> , 2022 , | 23.4 | 4 |
| 70 | Adipose Tissue Expansion by Overfeeding Healthy Men Alters Iron Gene Expression. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 688-696 | 5.6 | 3 |
| 69 | Soluble TNF-receptor 1 as a predictor of coronary calcifications in patients after long-term cure of Cushing's syndrome. <i>Pituitary</i> , 2015 , 18, 135-41 | 4.3 | 3 |
| 68 | Low AMY1 Copy Number Is Cross-Sectionally Associated to an Inflammation-Related Lipidomics Signature in Overweight and Obese Individuals. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1901151 | 5.9 | 3 |
| 67 | Deleted in breast cancer 1 plays a functional role in adipocyte differentiation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E554-61 | 6 | 3 |
| 66 | Back to past leeches: repeated phlebotomies and cardiovascular risk. <i>BMC Medicine</i> , 2012 , 10, 53 | 11.4 | 3 |
| 65 | Divergent relationships among soluble tumor necrosis factor-alpha receptors 1 and 2, insulin resistance, and endothelial function. <i>Diabetes Care</i> , 2006 , 29, 1460-1 | 14.6 | 3 |
| 64 | Metabolic abnormalities in patients with adrenal incidentaloma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 950-2 | 5.6 | 3 |
| 63 | Hemifacial spasm and hypothyroidism. <i>Lancet, The</i> , 1993 , 342, 1112 | 4.0 | 3 |
| 62 | Fibroblast growth factor 23 (FGF 23) and phosphocalcic metabolism in chronic kidney disease. <i>Nefrologia</i> , 2012 , 32, 647-54 | 1.5 | 3 |
| 61 | Bariatric Surgery-Induced Changes in Intima-Media Thickness and Cardiovascular Risk Factors in Class 3 Obesity: A 3-Year Follow-Up Study. <i>Obesity</i> , 2020 , 28, 1663-1670 | 8 | 3 |
| 60 | Regulation of adipogenic differentiation and adipose tissue inflammation by interferon regulatory factor 3. <i>Cell Death and Differentiation</i> , 2021 , 28, 3022-3035 | 12.7 | 3 |

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| 59 | Whole-Brain Dynamics in Aging: Disruptions in Functional Connectivity and the Role of the Rich Club. <i>Cerebral Cortex</i> , 2021 , 31, 2466-2481 | 5.1 | 3 |
| 58 | The Circulating Fatty Acid Transporter Soluble CD36 Is Not Associated with Carotid Atherosclerosis in Subjects with Type 1 and Type 2 Diabetes Mellitus. <i>Journal of Clinical Medicine</i> , 2020 , 9, | 5.1 | 2 |
| 57 | Nicotinamide N-methyltransferase expression decreases in iron overload, exacerbating toxicity in mouse hepatocytes. <i>Hepatology Communications</i> , 2017 , 1, 803-815 | 6 | 2 |
| 56 | Sex-specific, independent associations of insulin resistance with erythrocyte sedimentation rate in apparently healthy subjects. <i>Thrombosis and Haemostasis</i> , 2007 , 97, 240-244 | 7 | 2 |
| 55 | Morning cortisol levels and glucose effectiveness. <i>Metabolism: Clinical and Experimental</i> , 2000 , 49, 305-7 | 12.7 | 2 |
| 54 | The cause of elevated glycosylated haemoglobin concentrations in AIDS. <i>Aids</i> , 1993 , 7, 1274-5 | 3.5 | 2 |
| 53 | Study on growth hormone and insulin secretion in myotonic dystrophy. <i>The Clinical Investigator</i> , 1994 , 72, 508-11 | | 2 |
| 52 | Adipose tissue knockdown of lysozyme reduces local inflammation and improves adipogenesis in high-fat diet-fed mice. <i>Pharmacological Research</i> , 2021 , 166, 105486 | 10.2 | 2 |
| 51 | Factors associated with prolonged hospital stay after laparoscopic adrenalectomy. <i>Updates in Surgery</i> , 2021 , 73, 693-702 | 2.9 | 2 |
| 50 | Safety and Feasibility of the PEPPER Adaptive Bolus Advisor and Safety System: A Randomized Control Study. <i>Diabetes Technology and Therapeutics</i> , 2021 , 23, 175-186 | 8.1 | 2 |
| 49 | A microRNA Cluster Controls Fat Cell Differentiation and Adipose Tissue Expansion By Regulating SNCG.. <i>Advanced Science</i> , 2021 , e2104759 | 13.6 | 2 |
| 48 | Ferroportin mRNA is down-regulated in granulosa and cervical cells from infertile women. <i>Fertility and Sterility</i> , 2017 , 107, 236-242 | 4.8 | 1 |
| 47 | Cytoskeletal transgelin 2 contributes to gender-dependent adipose tissue expandability and immune function. <i>FASEB Journal</i> , 2019 , 33, 9656-9671 | 0.9 | 1 |
| 46 | The Trp64Arg β -adrenergic receptor gene polymorphism is associated with endothelium-dependent vasodilatation. <i>Journal of Human Hypertension</i> , 2015 , 29, 134-5 | 2.6 | 1 |
| 45 | Placental sprouty 2 (SPRY2): relation to placental growth and maternal metabolic status. <i>Neonatology</i> , 2014 , 106, 120-5 | 4 | 1 |
| 44 | Lucha por sobrevivir, diabetes tipo 2 y obesidad. <i>Avances En Diabetología</i> , 2012 , 28, 55-58 | | 1 |
| 43 | The nuclear receptor coactivator AIB3 is a modulator of HOMA beta-cell function in nondiabetic children. <i>Clinical Endocrinology</i> , 2008 , 69, 730-6 | 3.4 | 1 |
| 42 | Major fetal complications in optimised progestational diabetes mellitus. <i>Diabetologia</i> , 2000 , 43, 1077-8 | 10.3 | 1 |

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| 41 | Cholesterol and all-cause mortality in Honolulu. <i>Lancet, The</i> , 2001 , 358, 1906-7 | 40 | 1 |
| 40 | Oesophageal carcinoma presenting as isolated malignant hypercalcaemia. <i>Postgraduate Medical Journal</i> , 1994 , 70, 765-6 | 2 | 1 |
| 39 | Specific adipose tissue gene knockdown prevents diet-induced body weight gain, impacting fat accretion-related gene and protein expression.. <i>Molecular Therapy - Nucleic Acids</i> , 2022 , 27, 870-879 | 10.7 | 1 |
| 38 | Olfactomedin 2 deficiency protects against diet-induced obesity.. <i>Metabolism: Clinical and Experimental</i> , 2022 , 129, 155122 | 12.7 | 1 |
| 37 | Lipidomics and metabolomics signatures of SARS-CoV-2 mediators/receptors in peripheral leukocytes, jejunum and colon. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 6080-6089 | 6.8 | 1 |
| 36 | Octreotide-induced manic episodes in a patient with acromegaly. <i>Annals of Internal Medicine</i> , 2006 , 144, 704 | 8 | 1 |
| 35 | Multiple Hürthle cell adenomas in a patient with thyroid hormone resistance. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2013 , 2013, 130032 | 1.4 | 1 |
| 34 | Comparison of Outcomes between Obese and Nonobese Patients in Laparoscopic Adrenalectomy: A Cohort Study. <i>Digestive Surgery</i> , 2021 , 38, 237-246 | 2.5 | 1 |
| 33 | Novel Laboratory Index, Based on Fasting Blood Parameters, Accurately Reflects Insulin Sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, e5208-e5221 | 5.6 | 1 |
| 32 | Activation of hypothalamic AMPK ameliorates metabolic complications of experimental arthritis. <i>Arthritis and Rheumatology</i> , 2021 , | 9.5 | 1 |
| 31 | Adipose tissue and blood leukocytes ACE2 DNA methylation in obesity and after weight loss. <i>European Journal of Clinical Investigation</i> , 2021 , e13685 | 4.6 | 1 |
| 30 | Impact of COVID-19 Lockdown in Eating Disorders: A Multicentre Collaborative International Study.. <i>Nutrients</i> , 2021 , 14, | 6.7 | 1 |
| 29 | Dysregulation of macrophage PEPD in obesity determines adipose tissue fibro-inflammation and insulin resistance.. <i>Nature Metabolism</i> , 2022 , 4, 476-494 | 14.6 | 1 |
| 28 | The Combined Partial Knockdown of CBS and MPST Genes Induces Inflammation, Impairs Adipocyte Function-Related Gene Expression and Disrupts Protein Persulfidation in Human Adipocytes. <i>Antioxidants</i> , 2022 , 11, 1095 | 7.1 | 1 |
| 27 | Plasma Phospholipids with Long-Chain Polyunsaturated Fatty Acids and Dihydroceramides at the Crossroads of Iron Stores and Insulin Resistance. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1901055 | 5.9 | 0 |
| 26 | Obesity status influences the relationship among serum osteocalcin, iron stores and insulin sensitivity. <i>Clinical Nutrition</i> , 2018 , 37, 2091-2096 | 5.9 | 0 |
| 25 | ITCH E3 Ubiquitin Ligase downregulation compromises hepatic degradation of branched-chain amino acids.. <i>Molecular Metabolism</i> , 2022 , 101454 | 8.8 | 0 |
| 24 | Almonds and Walnuts Consumption Modifies PUFAs Profiles and Improves Metabolic Inflammation Beyond the Impact on Anthropometric Measure. <i>The Open Nutrition Journal</i> , 2018 , 12, 89-98 | 0.2 | 0 |

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| 23 | Subjects with detectable <i>Saccharomyces cerevisiae</i> in the gut microbiota show deficits in attention and executive function. <i>Journal of Internal Medicine</i> , 2021 , 290, 740-743 | 10.8 | o |
| 22 | Increased Small Intestine Expression of Non-Heme Iron Transporters in Morbidly Obese Patients With Newly Diagnosed Type 2 Diabetes. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, 1700301 | 5.9 | o |
| 21 | Novel Relationship Between Plasmalogen Lipid Signatures and Carnosine in Humans. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2100164 | 5.9 | o |
| 20 | Serum ferritin and incident cardiometabolic diseases in Scottish adults.. <i>Cardiovascular Diabetology</i> , 2022 , 21, 26 | 8.7 | o |
| 19 | Blood Hemoglobin Substantially Modulates the Impact of Gender, Morbid Obesity, and Hyperglycemia on COVID-19 Death Risk: A Multicenter Study in Italy and Spain. <i>Frontiers in Endocrinology</i> , 2021 , 12, 741248 | 5.7 | o |
| 18 | Downregulation of peripheral lipopolysaccharide binding protein impacts on perigonadal adipose tissue only in female mice. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 151, 113156 | 7.5 | o |
| 17 | The Microbiota and Energy Balanc. <i>Endocrinology</i> , 2017 , 1-18 | 0.1 | |
| 16 | Olive Oil and the Senescent Bone 2015 , 505-512 | | |
| 15 | Lucha por sobrevivir, diabetes tipo 2 y obesidad. Respuesta del autor. <i>Avances En Diabetología</i> , 2012 , 28, 119-120 | | |
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