Emmanuelle Meugnier

List of Publications by Year
in descending order

49 papers	2,987 citations	218677 26 h-index	197818 49 g-index
50 all docs	50 docs citations	50 times ranked	5184 citing authors

#	Article	IF	Citations
1	Persistent Organic Pollutant Exposure Leads to Insulin Resistance Syndrome. Environmental Health Perspectives, 2010, 118, 465-471.	6.0	326
2	Treatment for 2 mo with nâ^'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.	4.7	258
3	Fibroblast growth factor 19 regulates skeletal muscle mass and ameliorates muscle wasting in mice. Nature Medicine, 2017, 23, 990-996.	30.7	155
4	MicroRNAs contribute to compensatory Î² cell expansion during pregnancy and obesity. Journal of Clinical Investigation, 2012, 122, 3541-3551.	8.2	148
5	Exosomes participate in the alteration of muscle homeostasis during lipid-induced insulin resistance in mice. Diabetologia, 2014, 57, 2155-2164.	6.3	146
6	Exosome-like vesicles released from lipid-induced insulin-resistant muscles modulate gene expression and proliferation of beta recipient cells in mice. Diabetologia, 2016, 59, 1049-1058.	6.3	144
7	The microRNA Signature in Response to Insulin Reveals Its Implication in the Transcriptional Action of Insulin in Human Skeletal Muscle and the Role of a Sterol Regulatory Elementâ€“Binding Protein-1c/Myocyte Enhancer Factor 2C Pathway. Diabetes, 2009, 58, 2555-2564.	0.6	133
8	Chronic Consumption of Farmed Salmon Containing Persistent Organic Pollutants Causes Insulin Resistance and Obesity in Mice. PLoS ONE, 2011, 6, e25170.	2.5	133
9	Imeglimin Normalizes Glucose Tolerance and Insulin Sensitivity and Improves Mitochondrial Function in Liver of a High-Fat, High-Sucrose Diet Mice Model. Diabetes, 2015, 64, 2254-2264.	0.6	120
10	Grape Polyphenols Prevent Fructose-Induced Oxidative Stress and Insulin Resistance in First-Degree Relatives of Type 2 Diabetic Patients. Diabetes Care, 2013, 36, 1454-1461.	8.6	113
11	Postprandial Endotoxemia Linked With Chylomicrons and Lipopolysaccharides Handling in Obese Versus Lean Men: A Lipid Dose-Effect Trial. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3427-3435.	3.6	112
12	FTO Is Increased in Muscle During Type 2 Diabetes, and Its Overexpression in Myotubes Alters Insulin Signaling, Enhances Lipogenesis and ROS Production, and Induces Mitochondrial Dysfunction. Diabetes, 2011, 60, 258-268.	0.6	92
13	Visceral Fat Accumulation During Lipid Overfeeding Is Related to Subcutaneous Adipose Tissue Characteristics in Healthy Men. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 802-810.	3.6	84
14	Dietary emulsifiers from milk and soybean differently impact adiposity and inflammation in association with modulation of colonic goblet cells in highâ€fat fed mice. Molecular Nutrition and Food Research, 2016, 60, 609-620.	3.3	76
15	A New Role for Sterol Regulatory Element Binding Protein 1 Transcription Factors in the Regulation of Muscle Mass and Muscle Cell Differentiation. Molecular and Cellular Biology, 2010, 30, 1182-1198.	2.3	70
16	Acute Hyperglycemia Induces a Global Downregulation of Gene Expression in Adipose Tissue and Skeletal Muscle of Healthy Subjects. Diabetes, 2007, 56, 992-999.	0.6	69
17	miRNA-375 a Sensor of Glucotoxicity Is Altered in the Serum of Children with Newly Diagnosed Type 1 Diabetes. Journal of Diabetes Research, 2016, 2016, 1-7.	2.3	65
18	Coupling in vitro gastrointestinal lipolysis and Caco-2 cell cultures for testing the absorption of different food emulsions. Food and Function, 2012, 3, 537.	4.6	64

#	Article	IF	Citations
19	Microarray analyses of SREBP-1a and SREBP-1c target genes identify new regulatory pathways in muscle. Physiological Genomics, 2008, 34, 327-337.	2.3	63
20	Milk Polar Lipids Affect In Vitro Digestive Lipolysis and Postprandial Lipid Metabolism in Mice. Journal of Nutrition, 2015, 145, 1770-1777.	2.9	63
21	Use of Nanovesicles from Orange Juice to Reverse Diet-Induced Gut Modifications in Diet-Induced Obese Mice. Molecular Therapy - Methods and Clinical Development, 2020, 18, 880-892.	4.1	58
22	Interaction between hormone-sensitive lipase and ChREBP in fat cells controls insulin sensitivity. Nature Metabolism, 2019, 1, 133-146.	11.9	42
23	The ubiquitin-proteasome pathway is a new partner for the control of insulin signaling. Current Opinion in Clinical Nutrition and Metabolic Care, 2004, 7, 249-254.	2.5	40
24	Changes in Gene Expression in Skeletal Muscle in Response to Fat Overfeeding in Lean Men. Obesity, 2007, 15, 2583-2594.	3.0	38
25	Regulation of gene expression by glucose. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 518-522.	2.5	35
26	Milk Polar Lipids in a Highâ€Fat Diet Can Prevent Body Weight Gain: Modulated Abundance of Gut Bacteria in Relation with Fecal Loss of Specific Fatty Acids. Molecular Nutrition and Food Research, 2019, 63, e1801078.	3.3	35
27	Integrative mixture of experts to combine clinical factors and gene markers. Bioinformatics, 2010, 26, 1192-1198.	4.1	27
28	Lactiplantibacillus plantarum WJL administration during pregnancy and lactation improves lipid profile, insulin sensitivity and gut microbiota diversity in dyslipidemic dams and protects male offspring against cardiovascular dysfunction in later life. Food and Function, 2020, 11, 8939-8950.	4.6	27
29	Pasturev.standard dairy cream in high-fat diet-fed mice: improved metabolic outcomes and stronger intestinal barrier. British Journal of Nutrition, 2014, 112, 520-535.	2.3	24
30	Acute effects of milk polar lipids on intestinal tight junction expression: towards an impact of sphingomyelin through the regulation of IL-8 secretion?. Journal of Nutritional Biochemistry, 2019, 65, 128-138.	4.2	23
31	Human monocyte-derived dendritic cells turn into foamy dendritic cells with IL-17A. Journal of Lipid Research, 2015, 56, 1110-1122.	4.2	21
32	Analysis of the microRNA signature in left atrium from patients with valvular heart disease reveals their implications in atrial fibrillation. PLoS ONE, 2018, 13, e0196666.	2.5	17
33	Milk polar lipids favorably alter circulating and intestinal ceramide and sphingomyelin species in postmenopausal women. JCI Insight, 2021, 6, .	5.0	17
34	Gender Differences in Transcriptional Signature of Developing Rat Testes and Ovaries following Embryonic Exposure to 2,3,7,8-TCDD. PLoS ONE, 2012, 7, e40306.	2.5	17
35	Limited Oxidative Stress Favors Resistance to Skeletal Muscle Atrophy in Hibernating Brown Bears (Ursus Arctos). Antioxidants, 2019, 8, 334.	5.1	15
36	Impact of Rapeseed and Soy Lecithin on Postprandial Lipid Metabolism, Bile Acid Profile, and Gut Bacteria in Mice. Molecular Nutrition and Food Research, 2021, 65, e2001068.	3.3	15

#	Article	IF	Citations
37	Soybean polar lipids differently impact adipose tissue inflammation and the endotoxin transporters LBP and sCD14 in flaxseed vs. palm oil-rich diets. Journal of Nutritional Biochemistry, 2017, 43, 116-124.	4.2	13
38	ERRÎ± Expression in Bone Metastases Leads to an Exacerbated Antitumor Immune Response. Cancer Research, 2020, 80, 2914-2926.	0.9	13
39	Fructose overfeeding in first-degree relatives of type 2 diabetic patients impacts energy metabolism and mitochondrial functions in skeletal muscle. Molecular Nutrition and Food Research, 2016, 60, 2691-2699.	3.3	12
40	Human milk pasteurisation reduces pre-lipolysis but not digestive lipolysis and moderately decreases intestinal lipid uptake in a combination of preterm infant in vitro models. Food Chemistry, 2020, 329, 126927.	8.2	11
41	Profiling of ob/ob mice skeletal muscle exosome-like vesicles demonstrates combined action of miRNAs, proteins and lipids to modulate lipid homeostasis in recipient cells. Scientific Reports, 2021, 11, 21626.	3.3	10
42	Metformin treatment for 8Âdays impacts multiple intestinal parameters in high-fat high-sucrose fed mice. Scientific Reports, 2021, 11, 16684.	3.3	9
43	Adipose Tissue Expansion by Overfeeding Healthy Men Alters Iron Gene Expression. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 688-696.	3.6	7
44	Probiotic from human breast milk, Lactobacillus fermentum, promotes growth in animal model of chronic malnutrition. Pediatric Research, 2020, 88, 374-381.	2.3	7
45	Concurrent BMP Signaling Maintenance and TGF-Î² Signaling Inhibition Is a Hallmark of Natural Resistance to Muscle Atrophy in the Hibernating Bear. Cells, 2021, 10, 1873.	4.1	7
46	Rapeseed Lecithin Increases Lymphatic Lipid Output and Î±-Linolenic Acid Bioavailability in Rats. Journal of Nutrition, 2020, 150, 2900-2911.	2.9	5
47	Blood-derived miRNA levels are not correlated with metabolic or anthropometric parameters in obese pre-diabetic subjects but with systemic inflammation. PLoS ONE, 2022, 17, e0263479.	2.5	3
48	Polyphenol Supplementation Did Not Affect Insulin Sensitivity and Fat Deposition During One-Month Overfeeding in Randomized Placebo-Controlled Trials in Men and in Women. Frontiers in Nutrition, 2022, 9, .	3.7	3
49	Low level activity thresholds for changes in NMR biomarkers and genes in high risk subjects for Type 2 Diabetes. Scientific Reports, 2017, 7, 11267.	3.3	2