Christine Feillet-Coudray

List of Publications by Year
in descending order

73	2,230	201674 27	243625 44
papers	citations	h-index	g-index

74	74	74	3273
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of short-chain fructooligosaccharides on intestinal calcium absorption and calcium status in postmenopausal women: a stable-isotope study. American Journal of Clinical Nutrition, 2003, 77, 449-457.	4.7	132
2	Fructooligosaccharides enhance mineral apparent absorption and counteract the deleterious effects of phytic acid on mineral homeostasis in rats. Journal of Nutritional Biochemistry, 2000, 11, 500-508.	4.2	120
3	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
4	Making bread with sourdough improves mineral bioavailability from reconstituted whole wheat flour in rats. Nutrition, 2003, 19, 524-530.	2.4	101
5	Five-Week Intake of Short-Chain Fructo-Oligosaccharides Increases Intestinal Absorption and Status of Magnesium in Postmenopausal Women. Journal of Bone and Mineral Research, 2001, 16, 2152-2160.	2.8	94
6	Chicoric Acid Is an Antioxidant Molecule That Stimulates AMP Kinase Pathway in L6 Myotubes and Extends Lifespan in Caenorhabditis elegans. PLoS ONE, 2013, 8, e78788.	2.5	70
7	Rat liver mitochondrial membrane characteristics and mitochondrial functions are more profoundly altered by dietary lipid quantity than by dietary lipid quality: effect of different nutritional lipid patterns. British Journal of Nutrition, 2012, 107, 647-659.	2.3	67
8	Effect of Tomato Product Consumption on the Plasma Status of Antioxidant Microconstituents and on the Plasma Total Antioxidant Capacity in Healthy Subjects. Journal of the American College of Nutrition, 2004, 23, 148-156.	1.8	63
9	Dietary fatty acids modulate liver mitochondrial cardiolipin content and its fatty acid composition in rats with non alcoholic fatty liver disease. Journal of Bioenergetics and Biomembranes, 2012, 44, 439-452.	2.3	60
10	The mitochondrial-targeted antioxidant MitoQ ameliorates metabolic syndrome features in obesogenic diet-fed rats better than Apocynin or Allopurinol. Free Radical Research, 2014, 48, 1232-1246.	3.3	58
11	Cafeteria diet induces obesity and insulin resistance associated with oxidative stress but not with inflammation: improvement by dietary supplementation with a melon superoxide dismutase. Free Radical Biology and Medicine, 2013, 65, 254-261.	2.9	53
12	Dietary inulin intake and age can significantly affect intestinal absorption of calcium and magnesium in rats: a stable isotope approach. Nutrition Journal, 2005, 4, 29.	3.4	51
13	Lack of myostatin alters intermyofibrillar mitochondria activity, unbalances redox status, and impairs tolerance to chronic repetitive contractions in muscle. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1000-E1008.	3.5	51
14	The effect of aging on intestinal absorption and status of calcium, magnesium, zinc, and copper in rats: A stable isotope study. Journal of Trace Elements in Medicine and Biology, 2006, 20, 73-81.	3.0	49
15	Toxicity of Natural Deep Eutectic Solvent Betaine:Glycerol in Rats. Journal of Agricultural and Food Chemistry, 2018, 66, 6205-6212.	5.2	46
16	Dietary Inulin Intake and Age Can Affect Intestinal Absorption of Zinc and Copper in Rats. Journal of Nutrition, 2006, 136, 117-122.	2.9	44
17	The mitochondrial-targeted antioxidant, MitoQ, increases liver mitochondrial cardiolipin content in obesogenic diet-fed rats. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1025-1035.	1.0	40
18	A polyphenol extract modifies quantity but not quality of liver fatty acid content in high-fatâ€“high-sucrose diet-fed rats: possible implication of the sirtuin pathway. British Journal of Nutrition, 2010, 104, 1760-1770.	2.3	39

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19	Mitochondrial T3 receptor p43 regulates insulin secretion and glucose homeostasis. FASEB Journal, 2012, 26, 40-50.	0.5	38
20	A mitochondrial-targeted ubiquinone modulates muscle lipid profile and improves mitochondrial respiration in obesogenic diet-fed rats. British Journal of Nutrition, 2016, 115, 1155-1166.	2.3	38
21	Plasma cholesterol and endogenous cholesterol synthesis during refeeding in anorexia nervosa. Clinica Chimica Acta, 2000, 294, 45-56.	1.1	37
22	Branched Fatty Acyl Esters of Hydroxyl Fatty Acids (FAHFAs), Appealing Beneficial Endogenous Fat against Obesity and Typeâ€2 Diabetes. Chemistry - A European Journal, 2018, 24, 9463-9476.	3.3	36
23	Dietary iron regulates hepatic hepcidin 1 and 2 mRNAs in mice. Metabolism: Clinical and Experimental, 2003, 52, 1229-1231.	3.4	33
24	Effects of long-term administration of saturated andn-3 fatty acid-rich diets on lipid utilisation and oxidative stress in rat liver and muscle tissues. British Journal of Nutrition, 2013, 110, 1789-1802.	2.3	33
25	Longâ€Term Measures of Dyslipidemia, Inflammation, and Oxidative Stress in Rats Fed a Highâ€Fat/Highâ€Fructose Diet. Lipids, 2019, 54, 81-97.	1.7	33
26	Long-term high intake of 9-PAHPA or 9-OAHPA increases basal metabolism and insulin sensitivity but disrupts liver homeostasis in healthy mice. Journal of Nutritional Biochemistry, 2020, 79, 108361.	4.2	31
27	Exchangeable magnesium pool masses in healthy women: effects of magnesium supplementation. American Journal of Clinical Nutrition, 2002, 75, 72-78.	4.7	30
28	Impact of high dietary lipid intake and related metabolic disorders on the abundance and acyl composition of the unique mitochondrial phospholipid, cardiolipin. Journal of Bioenergetics and Biomembranes, 2014, 46, 447-457.	2.3	28
29	Two Polyol, Low Digestible Carbohydrates Improve the Apparent Absorption of Magnesium but Not of Calcium in Healthy Young Men. Journal of Nutrition, 2003, 133, 90-93.	2.9	27
30	Long-term moderate zinc supplementation increases exchangeable zinc pool masses in late-middle-aged men: the Zenith Study. American Journal of Clinical Nutrition, 2005, 82, 103-110.	4.7	27
31	Trans Fatty Acids: Chemical Synthesis of Eicosapentaenoic Acid Isomers and Detection in Rats Fed a Deodorized Fish Oil Diet. Chemical Research in Toxicology, 2012, 25, 687-694.	3.3	27
32	Subendocardial Increase in Reactive Oxygen Species Production Affects Regional Contractile Function in Ischemic Heart Failure. Antioxidants and Redox Signaling, 2013, 18, 1009-1020.	5.4	27
33	Carbon monoxide exposure enhances arrhythmia after cardiac stress: involvement of oxidative stress. Basic Research in Cardiology, 2011, 106, 1235-1246.	5.9	26
34	20-Week follow-up of hepatic steatosis installation and liver mitochondrial structure and activity and their interrelation in rats fed a high-fatâ€“high-fructose diet. British Journal of Nutrition, 2018, 119, 368-380.	2.3	26
35	Polyphenols decreased liver NADPH oxidase activity, increased muscle mitochondrial biogenesis and decreased gastrocnemius age-dependent autophagy in aged rats. Free Radical Research, 2012, 46, 1140-1149.	3.3	25
36	Preventive Effect of a Melon Extract Rich in Superoxide Scavenging Activity on Abdominal and Liver Fat and Adipokine Imbalance in High-Fat-Fed Hamsters. Journal of Agricultural and Food Chemistry, 2009, 57, 6461-6467.	5.2	24

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37	Myostatin deficiency is associated with lipidomic abnormalities in skeletal muscles. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1044-1055.	2.4	24
38	Protective Activity of Total Polyphenols from Genista quadriflora Munby and Teucrium polium geyrii Maire in Acetaminophen-Induced Hepatotoxicity in Rats. Nutrients, 2016, 8, 193.	4.1	22
39	Mild copper deficiency alters gene expression of proteins involved in iron metabolism. Blood Cells, Molecules, and Diseases, 2006, 36, 15-20.	1.4	21
40	A grape polyphenol extract modulates muscle membrane fatty acid composition and lipid metabolism in high-fatâ€“high-sucrose diet-fed rats. British Journal of Nutrition, 2011, 106, 491-501.	2.3	20
41	Increasing intake of long-chainn-3 PUFA enhances lipoperoxidation and modulates hepatic gene expression in a dose-dependent manner. British Journal of Nutrition, 2012, 107, 1254-1273.	2.3	20
42	The Dietary Total-Fat Content Affects the In Vivo Circulating C15:0 and C17:0 Fatty Acid Levels Independently. Nutrients, 2018, 10, 1646.	4.1	20
43	Long-term intake of 9-PAHPA or 9-OAHPA modulates favorably the basal metabolism and exerts an insulin sensitizing effect in obesogenic diet-fed mice. European Journal of Nutrition, 2021, 60, 2013-2027.	3.9	20
44	Fractional Intestinal Absorption of Magnesium Is Directly Proportional to Dietary Magnesium Intake in Rats. Journal of Nutrition, 2002, 132, 2043-2047.	2.9	19
45	Moderate chronic administration of Vineatrol-enriched red wines improves metabolic, oxidative, and inflammatory markers in hamsters fed a high-fat diet. Molecular Nutrition and Food Research, 2014, 58, 1212-1225.	3.3	19
46	Combined Strategies for Maintaining Skeletal Muscle Mass and Function in Aging: Myostatin Inactivation and AICAR-Associated Oxidative Metabolism Induction. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1077-1087.	3.6	19
47	Effect of zinc supplementation on in vitro copper-induced oxidation of low-density lipoproteins in healthy French subjects aged 55â€“70 years:the Zenith Study. British Journal of Nutrition, 2006, 95, 1134-1142.	2.3	18
48	Impact of Wheat Aleurone Structure on Metabolic Disorders Caused by a High-Fat Diet in Mice. Journal of Agricultural and Food Chemistry, 2014, 62, 10101-10109.	5.2	16
49	Long-Term Consumption of Red Wine Does Not Modify Intestinal Absorption or Status of Zinc and Copper in Rats. Journal of Nutrition, 2000, 130, 1309-1313.	2.9	14
50	Mineral supplementation of white wheat flour is necessary to maintain adequate mineral status and bone characteristics in rats. Journal of Trace Elements in Medicine and Biology, 2001, 15, 131-137.	3.0	13
51	A New In Vitro Blood Load Test Using a Magnesium Stable Isotope for Assessment of Magnesium Status. Journal of Nutrition, 2003, 133, 1220-1223.	2.9	13
52	Erythrocyte magnesium fluxes in mice with nutritionally and genetically low magnesium status. European Journal of Nutrition, 2006, 45, 171-177.	3.9	13
53	Spirulina platensisand silicon-enriched spirulina equally improve glucose tolerance and decrease the enzymatic activity of hepatic NADPH oxidase in obesogenic diet-fed rats. Food and Function, 2018, 9, 6165-6178.	4.6	12
54	High dietary intake of palm oils compromises glucose tolerance whereas high dietary intake of olive oil compromises liver lipid metabolism and integrity. European Journal of Nutrition, 2019, 58, 3091-3107.	3.9	12

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55	Time-of-Day Circadian Modulation of Grape-Seed Procyanidin Extract (GSPE) in Hepatic Mitochondrial Dynamics in Cafeteria-Diet-Induced Obese Rats. Nutrients, 2022, 14, 774.	4.1	12
56	Exchangeable Magnesium Pool Masses Reflect the Magnesium Status of Rats. Journal of Nutrition, 2000, 130, 2306-2311.	2.9	11
57	New evidence of exercise training benefits in myostatin-deficient mice: Effect on lipidomic abnormalities. Biochemical and Biophysical Research Communications, 2019, 516, 89-95.	2.1	11
58	Short-term assessment of toxicological aspects, oxidative and inflammatory response to dietary melon superoxide dismutase in rats. Food and Chemical Toxicology, 2013, 55, 323-328.	3.6	10
59	Skeletal muscle overexpression of short isoform Sirt3 altered mitochondrial cardiolipin content and fatty acid composition. Journal of Bioenergetics and Biomembranes, 2018, 50, 131-142.	2.3	10
60	Stable isotopes in studies of intestinal absorption, exchangeable pools and mineral status: The example of magnesium. Journal of Trace Elements in Medicine and Biology, 2005, 19, 97-103.	3.0	9
61	Potential physio-pathological effects of branched fatty acid esters of hydroxy fatty acids. Biochimie, 2021, 182, 13-22.	2.6	9
62	FAHFAs Regulate the Proliferation of C2C12 Myoblasts and Induce a Shift toward a More Oxidative Phenotype in Mouse Skeletal Muscle. International Journal of Molecular Sciences, 2020, 21, 9046.	4.1	8
63	NADPH oxidase activity is associated with cardiac osteopontin and pro-collagen type I expression in uremia. Free Radical Research, 2011, 45, 454-460.	3.3	6
64	Assessment of potential toxicological aspects of dietary exposure to silicon-rich spirulina in rats. Food and Chemical Toxicology, 2015, 80, 108-113.	3.6	6
65	Long-term follow-up of muscle lipid accumulation, mitochondrial activity and oxidative stress and their relationship with impaired glucose homeostasis in high fat high fructose diet-fed rats. Journal of Nutritional Biochemistry, 2019, 64, 182-197.	4.2	6
66	Effects of sulphate- and bicarbonate-rich mineral waters on net and fractional intestinal absorption and urinary excretion of magnesium in rats. European Journal of Nutrition, 2003, 42, 279-286.	3.9	5
67	Peripancreatic Adipose Tissue Remodeling and Inflammation during High Fat Intake of Palm Oils or Lard in Rats. Nutrients, 2021, 13, 1134.	4.1	4
68	Evaluation of magnesium fluxes in rat erythrocytes using a stable isotope of magnesium. Frontiers in Bioscience - Landmark, 2005, 10, 1720.	3.0	4
69	Exchangeable magnesium pool masses in spontaneously hypertensive rats. Metabolism: Clinical and Experimental, 2003, 52, 626-630.	3.4	2
70	Les FAHFAs, une nouvelle classe de lipides endogÃ¨nes bioactifs. Cahiers De Nutrition Et De Dietetique, 2018, 53, 100-105.	0.3	1
71	Potential favourable health effects of some dietary uncommon fatty acids. OCL - Oilseeds and Fats, Crops and Lipids, 2021, 28, 41.	1.4	1
72	Dietary inulin intake and age can significantly affect absorption of the faecal marker dysprosium in rats. British Journal of Nutrition, 2006, 95, 255-259.	2.3	0

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73	Effect of spirulina and siliconâ€enriched spirulina on metabolic syndrome features, oxidative stress and mitochondrial activity in Zucker fatty rats. Journal of Food Biochemistry, 2019, 43, e12979.	2.9	0