LluÃ-s Arola

List of Publications by Year
in descending order

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291 papers	9,514 citations	34105 52 h-index	56724 83 g-index

299 all docs	299 docs citations	299 times ranked	11075 citing authors

#	Article	IF	Citations
1	Grape Seed-Derived Procyanidins Have an Antihyperglycemic Effect in Streptozotocin-Induced Diabetic Rats and Insulinomimetic Activity in Insulin-Sensitive Cell Lines. Endocrinology, 2004, 145, 4985-4990.	2.8	305
2	Grape-seed procyanidins prevent low-grade inflammation by modulating cytokine expression in rats fed a high-fat diet. Journal of Nutritional Biochemistry, 2009, 20, 210-218.	4.2	260
3	Advanced separation methods of food anthocyanins, isoflavones and flavanols. Journal of Chromatography A, 2009, 1216, 7143-7172.	3.7	257
4	Inhibition of Angiotensin-Converting Enzyme Activity by Flavonoids: Structure-Activity Relationship Studies. PLoS ONE, 2012, 7, e49493.	2.5	257
5	Grape-Seed Procyanidins Act as Antiinflammatory Agents in Endotoxin-Stimulated RAW 264.7 Macrophages by Inhibiting NFkB Signaling Pathway. Journal of Agricultural and Food Chemistry, 2007, 55, 4357-4365.	5.2	240
6	Bioavailability of procyanidin dimers and trimers and matrix food effects in in vitro and in vivo models. British Journal of Nutrition, 2010, 103, 944-952.	2.3	239
7	Hypolipidemic effects of proanthocyanidins and their underlying biochemical and molecular mechanisms. Molecular Nutrition and Food Research, 2010, 54, 37-59.	3.3	222
8	Grape seed procyanidins improve atherosclerotic risk index and induce liver CYP7A1 and SHP expression in healthy rats. FASEB Journal, 2005, 19, 1-24.	0.5	171
9	Grape Seed Procyanidins Prevent Oxidative Injury by Modulating the Expression of Antioxidant Enzyme Systems. Journal of Agricultural and Food Chemistry, 2005, 53, 6080-6086.	5.2	154
10	Grape seed proanthocyanidins correct dyslipidemia associated with a high-fat diet in rats and repress genes controlling lipogenesis and VLDL assembling in liver. International Journal of Obesity, 2009, 33, 1007-1012.	3.4	148
11	Modulatory effect of grape-seed procyanidins on local and systemic inflammation in diet-induced obesity rats. Journal of Nutritional Biochemistry, 2011, 22, 380-387.	4.2	140
12	Effects of daily consumption of the probiotic Bifidobacterium animalis subsp. lactis CECT 8145 on anthropometric adiposity biomarkers in abdominally obese subjects: a randomized controlled trial. International Journal of Obesity, 2019, 43, 1863-1868.	3.4	124
13	New Method for Evaluating Astringency in Red Wine. Journal of Agricultural and Food Chemistry, 2004, 52, 742-746.	5.2	112
14	Grape-seed procyanidins modulate inflammation on human differentiated adipocytes in vitro. Cytokine, 2009, 47, 137-142.	3.2	110
15	Resveratrol and EGCG bind directly and distinctively to miR-33a and miR-122 and modulate divergently their levels in hepatic cells. Nucleic Acids Research, 2014, 42, 882-892.	14.5	110
16	Proanthocyanidins in health and disease. BioFactors, 2016, 42, 5-12.	5.4	110
17	Influence of phenolic compounds on the physiology of OEnococcus oeni from wine. Journal of Applied Microbiology, 2000, 88, 1065-1071.	3.1	108
18	Effects of copper exposure upon nitrogen metabolism in tissue cultured Vitis vinifera. Plant Science, 2000, 160, 159-163.	3.6	105

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19	Effects of a grapeseed procyanidin extract (GSPE) on insulin resistanceâ˜†. Journal of Nutritional Biochemistry, 2010, 21, 961-967.	4.2	99
20	Low doses of grape seed procyanidins reduce adiposity and improve the plasma lipid profile in hamsters. International Journal of Obesity, 2013, 37, 576-583.	3.4	90
21	Low-molecular procyanidin rich grape seed extract exerts antihypertensive effect in males spontaneously hypertensive rats. Food Research International, 2013, 51, 587-595.	6.2	89
22	Grape seed proanthocyanidins repress the hepatic lipid regulators miRâ€33 and miRâ€122 in rats. Molecular Nutrition and Food Research, 2012, 56, 1636-1646.	3.3	87
23	Assessment of Compatibility between Extraction Methods for NMR- and LC/MS-Based Metabolomics. Analytical Chemistry, 2012, 84, 5838-5844.	6.5	86
24	Dietary procyanidins enhance transcriptional activity of bile acidâ€activated FXR in vitro and reduce triglyceridemia in vivo in a FXRâ€dependent manner. Molecular Nutrition and Food Research, 2009, 53, 805-814.	3.3	85
25	Lipogenesis Is Decreased by Grape Seed Proanthocyanidins According to Liver Proteomics of Rats Fed a High Fat Diet. Molecular and Cellular Proteomics, 2010, 9, 1499-1513.	3.8	83
26	Bioactivity of Flavonoids on Insulinâ€Secreting Cells. Comprehensive Reviews in Food Science and Food Safety, 2008, 7, 299-308.	11.7	82
27	Oligomers of grape-seed procyanidin extract activate the insulin receptor and key targets of the insulin signaling pathway differently from insulin. Journal of Nutritional Biochemistry, 2010, 21, 476-481.	4.2	82
28	Procyanidins and Their Healthy Protective Effects Against Type 2 Diabetes. Current Medicinal Chemistry, 2014, 22, 39-50.	2.4	82
29	Roles of proanthocyanidin rich extracts in obesity. Food and Function, 2015, 6, 1053-1071.	4.6	81
30	Mapping of the circulating metabolome reveals Î±-ketoglutarate as a predictor of morbid obesity-associated non-alcoholic fatty liver disease. International Journal of Obesity, 2015, 39, 279-287.	3.4	77
31	Changes in lipolysis and hormone-sensitive lipase expression caused by procyanidins in 3T3-L1 adipocytes. International Journal of Obesity, 2000, 24, 319-324.	3.4	76
32	Effects Of A Post-Weaning Cafeteria Diet In Young Rats: Metabolic Syndrome, Reduced Activity And Low Anxiety-Like Behaviour. PLoS ONE, 2014, 9, e85049.	2.5	76
33	Mediterranean Diet and Multi-Ingredient-Based Interventions for the Management of Non-Alcoholic Fatty Liver Disease. Nutrients, 2017, 9, 1052.	4.1	76
34	Peroxisome Proliferator-Activated Receptor Î³ (PPARÎ³) and Ligand Choreography: Newcomers Take the Stage. Journal of Medicinal Chemistry, 2015, 58, 5381-5394.	6.4	75
35	Detection and characterization of silver nanoparticles and dissolved species of silver in culture medium and cells by AsFlFFF-UV-Vis-ICPMS: application to nanotoxicity tests. Analyst, The, 2014, 139, 914-922.	3.5	74
36	Metabolic Effects of Short Term Food Deprivation in the Rat. Hormone and Metabolic Research, 1981, 13, 326-330.	1.5	73

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37	Grape-seed derived procyanidins interfere with adipogenesis of 3T3-L1 cells at the onset of differentiation. International Journal of Obesity, 2005, 29, 934-941.	3.4	72
38	Dietary procyanidins lower triglyceride levels signaling through the nuclear receptor small heterodimer partner. Molecular Nutrition and Food Research, 2008, 52, 1172-1181.	3.3	69
39	Chronic Administration of Proanthocyanidins or Docosahexaenoic Acid Reversess the Increase of miR-33a and miR-122 in Dyslipidemic Obese Rats. PLoS ONE, 2013, 8, e69817.	2.5	69
40	Antigenotoxic Effect of Grape Seed Procyanidin Extract in Fao Cells Submitted to Oxidative StressÂ§. Journal of Agricultural and Food Chemistry, 2004, 52, 1083-1087.	5.2	67
41	Protein-ligand Docking: A Review of Recent Advances and Future Perspectives. Current Pharmaceutical Analysis, 2008, 4, 1-19.	0.6	67
42	Isoflavone effect on gene expression profile and biomarkers of inflammation. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 382-390.	2.8	66
43	Long-term supplementation with a low dose of proanthocyanidins normalized liver miR-33a and miR-122 levels in high-fat dietâ€“induced obese rats. Nutrition Research, 2015, 35, 337-345.	2.9	66
44	A new method for deproteinization of small samples of blood plasma for amino acid determination. Analytical Biochemistry, 1977, 82, 236-239.	2.4	60
45	Lipidomic and metabolomic analyses reveal potential plasma biomarkers of early atheromatous plaque formation in hamsters. Cardiovascular Research, 2013, 97, 642-652.	3.8	60
46	Impairment of lysophospholipid metabolism in obesity: altered plasma profile and desensitization to the modulatory properties of nâ€“3 polyunsaturated fatty acids in a randomized controlled trial. American Journal of Clinical Nutrition, 2016, 104, 266-279.	4.7	60
47	Effects from diet-induced gut microbiota dysbiosis and obesity can be ameliorated by fecal microbiota transplantation: A multiomics approach. PLoS ONE, 2019, 14, e0218143.	2.5	60
48	Determination of mycotoxins in plant-based beverages using QuEChERS and liquid chromatographyâ€“tandem mass spectrometry. Food Chemistry, 2017, 229, 366-372.	8.2	59
49	Grape seed proanthocyanidin supplementation reduces adipocyte size and increases adipocyte number in obese rats. International Journal of Obesity, 2017, 41, 1246-1255.	3.4	59
50	Fate of Some Common Pesticides during Vinification Process. Journal of Agricultural and Food Chemistry, 1996, 44, 3668-3671.	5.2	57
51	Chronic dietary supplementation of proanthocyanidins corrects the mitochondrial dysfunction of brown adipose tissue caused by diet-induced obesity in Wistar rats. British Journal of Nutrition, 2012, 107, 170-178.	2.3	57
52	Procyanidin Effects on Adipocyte-Related Pathologies. Critical Reviews in Food Science and Nutrition, 2006, 46, 543-550.	10.3	55
53	Chronic supplementation with dietary proanthocyanidins protects from dietâ€induced intestinal alterations in obese rats. Molecular Nutrition and Food Research, 2017, 61, 1601039.	3.3	54
54	Dietary proanthocyanidins modulate BMAL1 acetylation, Nampt expression and NAD levels in rat liver. Scientific Reports, 2015, 5, 10954.	3.3	52

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55	Nutritional biomarkers and foodomic methodologies for qualitative and quantitative analysis of bioactive ingredients in dietary intervention studies. Journal of Chromatography A, 2011, 1218, 7399-7414.	3.7	50
56	Cocoa Consumption Alters the Global DNA Methylation of Peripheral Leukocytes in Humans with Cardiovascular Disease Risk Factors: A Randomized Controlled Trial. PLoS ONE, 2013, 8, e65744.	2.5	50
57	Effects of hesperidin in orange juice on blood and pulse pressures in mildly hypertensive individuals: a randomized controlled trialÂ(Citrus study). European Journal of Nutrition, 2021, 60, 1277-1288.	3.9	49
58	Plasma amino acid concentrations in pregnant rats and in 21-day foetuses. Biochemical Journal, 1977, 166, 49-55.	3.7	48
59	Serum metabolites of proanthocyanidin-administered rats decrease lipid synthesis in HepG2 cells. Journal of Nutritional Biochemistry, 2013, 24, 2092-2099.	4.2	48
60	Effect of low molecular grape seed proanthocyanidins on blood pressure and lipid homeostasis in cafeteria diet-fed rats. Journal of Physiology and Biochemistry, 2014, 70, 629-637.	3.0	48
61	Structural insights for the design of new PPARgamma partial agonists with high binding affinity and low transactivation activity. Journal of Computer-Aided Molecular Design, 2011, 25, 717-728.	2.9	47
62	Procyanidin dimer B1 and trimer C1 impair inflammatory response signalling in human monocytes. Free Radical Research, 2011, 45, 611-619.	3.3	47
63	Distribution of grape seed flavanols and their metabolites in pregnant rats and their fetuses. Molecular Nutrition and Food Research, 2013, 57, 1741-1752.	3.3	47
64	Grape seed procyanidins administered at physiological doses to rats during pregnancy and lactation promote lipid oxidation and up-regulate AMPK in the muscle of male offspring in adulthood. Journal of Nutritional Biochemistry, 2015, 26, 912-920.	4.2	46
65	Genderâ€related similarities and differences in the body distribution of grape seed flavanols in rats. Molecular Nutrition and Food Research, 2016, 60, 760-772.	3.3	46
66	Effects of a wide range of dietary nicotinamide riboside (NR) concentrations on metabolic flexibility and white adipose tissue (WAT) of mice fed a mildly obesogenic diet. Molecular Nutrition and Food Research, 2017, 61, 1600878.	3.3	46
67	Procyanidins protect Fao cells against hydrogen peroxide-induced oxidative stress. Biochimica Et Biophysica Acta - General Subjects, 2002, 1572, 25-30.	2.4	45
68	Acute Administration of Grape Seed Proanthocyanidin Extract Modulates Energetic Metabolism in Skeletal Muscle and BAT Mitochondria. Journal of Agricultural and Food Chemistry, 2011, 59, 4279-4287.	5.2	45
69	Resveratrol Enhances Palmitate-Induced ER Stress and Apoptosis in Cancer Cells. PLoS ONE, 2014, 9, e113929.	2.5	45
70	Dietary proanthocyanidins modulate melatonin levels in plasma and the expression pattern of clock genes in the hypothalamus of rats. Molecular Nutrition and Food Research, 2015, 59, 865-878.	3.3	45
71	Human Apo A-I and Rat Transferrin Are the Principal Plasma Proteins That Bind Wine Catechins. Journal of Agricultural and Food Chemistry, 2002, 50, 2708-2712.	5.2	44
72	Effects of low molecular weight procyanidin rich extract from french maritime pine bark on cardiovascular disease risk factors in stage-1 hypertensive subjects: Randomized, double-blind, crossover, placebo-controlled intervention trial. Phytomedicine, 2016, 23, 1451-1461.	5.3	44

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73	Moderate red wine consumption protects the rat against oxidation in vivo. Life Sciences, 1999, 64, 1517-1524.	4.3	43
74	Intracellular Mediators of Procyanidin-Induced Lipolysis in 3T3-L1 Adipocytes. Journal of Agricultural and Food Chemistry, 2005, 53, 262-266.	5.2	43
75	Phenolic compounds and biological rhythms: Who takes the lead?. Trends in Food Science and Technology, 2021, 113, 77-85.	15.1	43
76	Dietary catechins and procyanidins modulate zinc homeostasis in human HepG2 cells. Journal of Nutritional Biochemistry, 2011, 22, 153-163.	4.2	42
77	The good, the bad and the dubious: VHELIBS, a validation helper for ligands and binding sites. Journal of Cheminformatics, 2013, 5, 36.	6.1	42
78	Glutamine Synthetase Activity in the Organs of Fed and 24-Hours Fasted Rats. Hormone and Metabolic Research, 1981, 13, 199-202.	1.5	41
79	Chronic consumption of dietary proanthocyanidins modulates peripheral clocks in healthy and obese rats. Journal of Nutritional Biochemistry, 2015, 26, 112-119.	4.2	41
80	Dietary proanthocyanidins boost hepatic NAD+ metabolism and SIRT1 expression and activity in a dose-dependent manner in healthy rats. Scientific Reports, 2016, 6, 24977.	3.3	40
81	Heat-killed Bifidobacterium animalis subsp. Lactis CECT 8145 increases lean mass and ameliorates metabolic syndrome in cafeteria-fed obese rats. Journal of Functional Foods, 2017, 38, 251-263.	3.4	40
82	Effect of phenolic compounds on the co-metabolism of citric acid and sugars by Oenococcus oeni from wine. Letters in Applied Microbiology, 2003, 36, 337-341.	2.2	39
83	Chrononutrition and Polyphenols: Roles and Diseases. Nutrients, 2019, 11, 2602.	4.1	39
84	Nickel-induced hyperglycaemia: the role of insulin and glucagon. Toxicology, 1992, 71, 181-192.	4.2	38
85	Inhibitory Effects of Grape Seed Procyanidins on Foam Cell Formation in Vitro. Journal of Agricultural and Food Chemistry, 2009, 57, 2588-2594.	5.2	38
86	Grape seed procyanidin extract modulates proliferation and apoptosis of pancreatic beta-cells. Food Chemistry, 2013, 138, 524-530.	8.2	38
87	Grape seed proanthocyanidin extract improves the hepatic glutathione metabolism in obese <scp>Z</scp>ucker rats. Molecular Nutrition and Food Research, 2014, 58, 727-737.	3.3	38
88	Chronic supplementation of proanthocyanidins reduces postprandial lipemia and liver miR-33a and miR-122 levels in a dose-dependent manner in healthy rats. Journal of Nutritional Biochemistry, 2014, 25, 151-156.	4.2	37
89	The lipid-lowering effect of dietary proanthocyanidins in rats involves both chylomicron-rich and VLDL-rich fractions. British Journal of Nutrition, 2012, 108, 208-217.	2.3	36
90	Tetramethylated Dimeric Procyanidins Are Detected in Rat Plasma and Liver Early after Oral Administration of Synthetic Oligomeric Procyanidins. Journal of Agricultural and Food Chemistry, 2006, 54, 2543-2551.	5.2	35

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91	Involvement of nitric oxide and prostacyclin in the antihypertensive effect of low-molecular-weight procyanidin rich grape seed extract in male spontaneously hypertensive rats. Journal of Functional Foods, 2014, 6, 419-427.	3.4	34
92	Chronic intake of proanthocyanidins and docosahexaenoic acid improves skeletal muscle oxidative capacity in diet-obese rats. Journal of Nutritional Biochemistry, 2014, 25, 1003-1010.	4.2	34
93	Enhanced anti-inflammatory effect of resveratrol and EPA in treated endotoxin-activated RAW 264.7 macrophages. British Journal of Nutrition, 2012, 108, 1562-1573.	2.3	33
94	Grape seed procyanidin supplementation to rats fed a high-fat diet during pregnancy and lactation increases the body fat content and modulates the inflammatory response and the adipose tissue metabolism of the male offspring in youth. International Journal of Obesity, 2015, 39, 7-15.	3.4	33
95	Effects of 24 Hour Starvation on Plasma Composition in 19 and 21 Day Pregnant Rats and Their Foetuses. Hormone and Metabolic Research, 1982, 14, 364-371.	1.5	31
96	Alterations in gut microbiota associated with a cafeteria diet and the physiological consequences in the host. International Journal of Obesity, 2018, 42, 746-754.	3.4	31
97	Potential Involvement of Peripheral Leptin/STAT3 Signaling in the Effects of Resveratrol and Its Metabolites on Reducing Body Fat Accumulation. Nutrients, 2018, 10, 1757.	4.1	31
98	Moderate red-wine consumption partially prevents body weight gain in rats fed a hyperlipidic dietâ˜†. Journal of Nutritional Biochemistry, 2006, 17, 139-142.	4.2	30
99	Additive, antagonistic, and synergistic effects of procyanidins and polyunsaturated fatty acids over inflammation in RAW 264.7 macrophages activated by lipopolysaccharide. Nutrition, 2012, 28, 447-457.	2.4	30
100	Epigallocatechin gallate counteracts oxidative stress in docosahexaenoxic acid-treated myocytes. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 783-791.	1.0	30
101	The intake of a hazelnut skin extract improves the plasma lipid profile and reduces the lithocholic/deoxycholic bile acid faecal ratio, a risk factor for colon cancer, in hamsters fed a high-fat diet. Food Chemistry, 2015, 167, 138-144.	8.2	30
102	Resveratrol Potently Counteracts Quercetin Starvationâ€Induced Autophagy and Sensitizes HepG2 Cancer Cells to Apoptosis. Molecular Nutrition and Food Research, 2018, 62, 1700610.	3.3	30
103	Activities of Enzymes Involved in Amino-Acid Metabolism in Developing Rat Placenta. FEBS Journal, 1980, 110, 289-293.	0.2	29
104	A trimer plus a dimer-gallate reproduce the bioactivity described for an extract of grape seed procyanidins. Food Chemistry, 2009, 116, 265-270.	8.2	28
105	Multiâ€omics approach to elucidate the gut microbiota activity: Metaproteomics and metagenomics connection. Electrophoresis, 2018, 39, 1692-1701.	2.4	28
106	A youth-led social marketing intervention to encourage healthy lifestyles, the EYTO (European Youth) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Health, 2015, 15, 607.	2.9	27
107	Potential Use of Mobile Phone Applications for Self-Monitoring and Increasing Daily Fruit and Vegetable Consumption: A Systematized Review. Nutrients, 2019, 11, 686.	4.1	27
108	Metabolomics Elucidates Dose-Dependent Molecular Beneficial Effects of Hesperidin Supplementation in Rats Fed an Obesogenic Diet. Antioxidants, 2020, 9, 79.	5.1	27

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109	Effects of copper, cadmium and nickel on liver and kidney glutathione redox cycle of rats (Rattus sp.). Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1992, 101, 209-213.	0.2	26
110	Metabolic Fate of Glucose on 3T3-L1 Adipocytes Treated with Grape Seed-Derived Procyanidin Extract (GSPE). Comparison with the Effects of Insulin. Journal of Agricultural and Food Chemistry, 2005, 53, 5932-5935.	5.2	26
111	Impact of different hypercaloric diets on obesity features in rats: a metagenomics and metabolomics integrative approach. Journal of Nutritional Biochemistry, 2019, 71, 122-131.	4.2	26
112	In Vivo, in Vitro, and in Silico Studies of Cu/Zn-Superoxide Dismutase Regulation by Molecules in Grape Seed Procyanidin Extract. Journal of Agricultural and Food Chemistry, 2009, 57, 3934-3942.	5.2	25
113	‹b›Effect of stress and sampling site on metabolite concentration in rat plasma‹/b›. Archives Internationales De Physiologie Et De Biochimie, 1980, 88, 99-105.	0.2	24
114	Flavanol metabolites distribute in visceral adipose depots after a long-term intake of grape seed proanthocyanidin extract in rats. British Journal of Nutrition, 2013, 110, 1411-1420.	2.3	24
115	Long-term intake of soyabean phytosterols lowers serum TAG and NEFA concentrations, increases bile acid synthesis and protects against fatty liver development in dyslipidaemic hamsters. British Journal of Nutrition, 2014, 112, 663-673.	2.3	24
116	Development and validation of a UHPLC-ESI-MS/MS method for the simultaneous quantification of mammal lysophosphatidylcholines and lysophosphatidylethanolamines in serum. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1055-1056, 86-97.	2.3	24
117	The Exposure to Different Photoperiods Strongly Modulates the Glucose and Lipid Metabolisms of Normoweight Fischer 344 Rats. Frontiers in Physiology, 2018, 9, 416.	2.8	24
118	Antioxidant effects of a grapeseed procyanidin extract and oleoyl-estrone in obese Zucker rats. Nutrition, 2011, 27, 1172-1176.	2.4	23
119	A doseâ€“response study of the bioavailability of grape seed proanthocyanidin in rat and lipid-lowering effects of generated metabolites in HepG2 cells. Food Research International, 2014, 64, 500-507.	6.2	23
120	Analytical methods in sphingolipidomics: Quantitative and profiling approaches in food analysis. Journal of Chromatography A, 2016, 1428, 16-38.	3.7	23
121	Metabolomics: An emerging tool to evaluate the impact of nutritional and physiological challenges. TrAC - Trends in Analytical Chemistry, 2017, 96, 79-88.	11.4	23
122	Maternal intake of grape seed procyanidins during lactation induces insulin resistance and an adiponectin resistance-like phenotype in rat offspring. Scientific Reports, 2017, 7, 12573.	3.3	23
123	Changes in lysophospholipids and liver status after weight loss: the RESMENA study. Nutrition and Metabolism, 2018, 15, 51.	3.0	23
124	Foodomics imaging by mass spectrometry and magnetic resonance. Electrophoresis, 2016, 37, 1748-1767.	2.4	22
125	Determination of plasma amino acids in small samples with the use of Dansyl-chloride. Biochimie, 1976, 58, 1221-1226.	2.6	21
126	Improvement of Mitochondrial Function in Muscle of Genetically Obese Rats after Chronic Supplementation with Proanthocyanidins. Journal of Agricultural and Food Chemistry, 2011, 59, 8491-8498.	5.2	21

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127	Intake of grape procyanidins during gestation and lactation impairs reverse cholesterol transport and increases atherogenic risk indexes in adult offspring. Journal of Nutritional Biochemistry, 2015, 26, 1670-1677.	4.2	21
128	A novel form of the human manganese superoxide dismutase protects rat and human livers undergoing ischaemia and reperfusion injury. Clinical Science, 2014, 127, 527-537.	4.3	20
129	Combination of grape seed proanthocyanidin extract and docosahexaenoic acid-rich oil increases the hepatic detoxification by GST mediated GSH conjugation in a lipidic postprandial state. Food Chemistry, 2014, 165, 14-20.	8.2	20
130	Supplementation with biscuits enriched with hesperidin and naringenin is associated with an improvement of the Metabolic Syndrome induced by a cafeteria diet in rats. Journal of Functional Foods, 2019, 61, 103504.	3.4	20
131	Hepatic accumulation of S-adenosylmethionine in hamsters with non-alcoholic fatty liver disease associated with metabolic syndrome under selenium and vitamin E deficiency. Clinical Science, 2019, 133, 409-423.	4.3	19
132	Changes in glutamine synthetase activity in the different organs of developing rats. Archives Internationales De Physiologie Et De Biochimie, 1981, 89, 189-194.	0.2	18
133	Effects of lactation on circulating plasma metabolites in â€˜cafeteria-fedâ€™ rats. British Journal of Nutrition, 1986, 55, 139-147.	2.3	18
134	In vivo effects of nickel and cadmium in rats on lipid peroxidation and ceruloplasmin activity. Bulletin of Environmental Contamination and Toxicology, 1990, 44, 686-691.	2.7	18
135	Simultaneous Horizontal Gene Transfer of a Gene Coding for Ribosomal Protein L27 and Operational Genes in Arthrobacter Sp.. Journal of Molecular Evolution, 2002, 55, 632-637.	1.8	18
136	A new and simple method for rapid extraction and isolation of high-quality RNA from grape (Vitis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.5	18
137	Summary and general conclusions/outcomes on the role and fate of sugars in human nutrition and health. Obesity Reviews, 2009, 10, 55-58.	6.5	18
138	Organotypic co-culture system to study plant extract bioactivity on hepatocytes. Food Chemistry, 2010, 122, 775-781.	8.2	18
139	Impact of a cafeteria diet and daily physical training on the rat serum metabolome. PLoS ONE, 2017, 12, e0171970.	2.5	18
140	Treadmill Intervention Attenuates the Cafeteria Diet-Induced Impairment of Stress-Coping Strategies in Young Adult Female Rats. PLoS ONE, 2016, 11, e0153687.	2.5	18
141	Changes in Alanine Transaminase Activity in Several Organs of the Rat Induced by a 24-Hour Fast. Hormone and Metabolic Research, 1980, 12, 505-508.	1.5	16
142	Metabolome responses to physiological and nutritional challenges. Current Opinion in Food Science, 2015, 4, 111-115.	8.0	16
143	Intake of an Obesogenic Cafeteria Diet Affects Body Weight, Feeding Behavior, and Glucose and Lipid Metabolism in a Photoperiod-Dependent Manner in F344 Rats. Frontiers in Physiology, 2018, 9, 1639.	2.8	16
144	Dietary proanthocyanidins modulate the rhythm of BMAL1 expression and induce RORÎ± transactivation in HepG2 cells. Journal of Functional Foods, 2015, 13, 336-344.	3.4	15

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145	Monitoring and evaluation of the interaction between deoxynivalenol and gut microbiota in Wistar rats by mass spectrometry-based metabolomics and next-generation sequencing. Food and Chemical Toxicology, 2018, 121, 124-130.	3.6	15
146	Dual liquid-liquid extraction followed by LC-MS/MS method for the simultaneous quantification of melatonin, cortisol, triiodothyronine, thyroxine and testosterone levels in serum: Applications to a photoperiod study in rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1108, 11-16.	2.3	15
147	Cherry consumption out of season alters lipid and glucose homeostasis in normoweight and cafeteria-fed obese Fischer 344 rats. Journal of Nutritional Biochemistry, 2019, 63, 72-86.	4.2	15
148	Impact of gut microbiota on plasma oxylipins profile under healthy and obesogenic conditions. Clinical Nutrition, 2021, 40, 1475-1486.	5.0	15
149	Changes induced in rat plasma composition by lactation. Archives Internationales De Physiologie Et De Biochimie, 1982, 90, 185-190.	0.2	14
150	Polymorphisms in LEP and NPY genes modify the response to soluble fibre Plantago ovata husk intake on cardiovascular risk biomarkers. Genes and Nutrition, 2013, 8, 127-136.	2.5	14
151	Exposure of Fischer 344 rats to distinct photoperiods influences the bioavailability of red grape polyphenols. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111623.	3.8	14
152	Amino-acid enzyme activities in liver and kidney of developing rats. Archives Internationales De Physiologie Et De Biochimie, 1982, 90, 163-171.	0.2	13
153	Isoflavones reduce inflammation in 3T3-L1 adipocytes. Food Chemistry, 2011, 125, 513-520.	8.2	13
154	Cardioprotective Properties of Phenolic Compounds: A Role for Biological Rhythms. Molecular Nutrition and Food Research, 2022, 66, e2100990.	3.3	13
155	Adenylate Deaminase Activity in the Rat. Effect of 24 Hours of Fasting. Hormone and Metabolic Research, 1981, 13, 264-266.	1.5	12
156	Ontogeny of amino-acid metabolism-enzymes in peripheral tissues of developing rats. Archives Internationales De Physiologie Et De Biochimie, 1983, 91, 43-50.	0.2	12
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