

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.

93 papers	2,110 citations	28 h-index	42 g-index
100 ext. papers	2,551 ext. citations	4.1 avg, IF	4.51 L-index

#	Paper	IF	Citations
93	The pig as an animal model for human pathologies: A proteomics perspective. <i>Proteomics - Clinical Applications</i> , 2014 , 8, 715-31	3.1	140
92	Minor Components of Olive Oil: Evidence to Date of Health Benefits in Humans. <i>Nutrition Reviews</i> , 2006 , 64, S20-S30	6.4	103
91	Microarray analysis of hepatic gene expression identifies new genes involved in steatotic liver. <i>Physiological Genomics</i> , 2009 , 37, 187-98	3.6	82
90	Selective effect of conjugated linoleic acid isomers on atherosclerotic lesion development in apolipoprotein E knockout mice. <i>Atherosclerosis</i> , 2006 , 189, 318-27	3.1	79
89	Minor Components of Olive Oil: Evidence to Date of Health Benefits in Humans. <i>Nutrition Reviews</i> , 2006 , 64, 20-30	6.4	72
88	Divergent mechanisms of cis9, trans11-and trans10, cis12-conjugated linoleic acid affecting insulin resistance and inflammation in apolipoprotein E knockout mice: a proteomics approach. <i>FASEB Journal</i> , 2005 , 19, 1746-8	0.9	69
87	Hydroxytyrosol administration enhances atherosclerotic lesion development in apo E deficient mice. <i>Journal of Biochemistry</i> , 2006 , 140, 383-91	3.1	66
86	Immune-regulation of the apolipoprotein A-I/C-III/A-IV gene cluster in experimental inflammation. <i>Cytokine</i> , 2005 , 31, 52-63	4	65
85	The value of apolipoprotein E knockout mice for studying the effects of dietary fat and cholesterol on atherogenesis. <i>Current Opinion in Lipidology</i> , 2000 , 11, 25-9	4.4	65
84	Efficacy of bioactive compounds from extra virgin olive oil to modulate atherosclerosis development. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1043-57	5.9	64
83	Virgin Olive Oil and Health: Summary of the III International Conference on Virgin Olive Oil and Health Consensus Report, JAEN (Spain) 2018. <i>Nutrients</i> , 2019 , 11,	6.7	59
82	Trans-10, cis-12- and cis-9, trans-11-conjugated linoleic acid isomers selectively modify HDL-apolipoprotein composition in apolipoprotein E knockout mice. <i>Journal of Nutrition</i> , 2006 , 136, 353-9 ⁴¹	4.1	54
81	Extra virgin olive oils increase hepatic fat accumulation and hepatic antioxidant protein levels in APOE-/- mice. <i>Journal of Proteome Research</i> , 2007 , 6, 4041-54	5.6	48
80	Dietary cholesterol suppresses the ability of olive oil to delay the development of atherosclerotic lesions in apolipoprotein E knockout mice. <i>Atherosclerosis</i> , 2005 , 182, 17-28	3.1	47
79	Current Insights into the Biological Action of Squalene. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800136	5.9	44
78	Sphingomyelin in high-density lipoproteins: structural role and biological function. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 7716-41	6.3	42
77	Selection of reference genes for gene expression studies in rats. <i>Journal of Biotechnology</i> , 2011 , 151, 325-34	3.7	41

76	Squalene in a sex-dependent manner modulates atherosclerotic lesion which correlates with hepatic fat content in apoE-knockout male mice. <i>Atherosclerosis</i> , 2008 , 197, 72-83	3.1	41
75	TXNDC5, a newly discovered disulfide isomerase with a key role in cell physiology and pathology. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 23501-18	6.3	39
74	Immunomodulatory properties of beta-sitosterol in pig immune responses. <i>International Immunopharmacology</i> , 2012 , 13, 316-21	5.8	39
73	Over-expression of neuron-derived orphan receptor-1 (NOR-1) exacerbates neointimal hyperplasia after vascular injury. <i>Human Molecular Genetics</i> , 2013 , 22, 1949-59	5.6	38
72	Olive oil preparation determines the atherosclerotic protection in apolipoprotein E knockout mice. <i>Journal of Nutritional Biochemistry</i> , 2007 , 18, 418-24	6.3	38
71	Cystathionine beta-synthase is essential for female reproductive function. <i>Human Molecular Genetics</i> , 2006 , 15, 3168-76	5.6	33
70	Microarray analysis of hepatic genes differentially expressed in the presence of the unsaponifiable fraction of olive oil in apolipoprotein E-deficient mice. <i>British Journal of Nutrition</i> , 2007 , 97, 628-38	3.6	31
69	Dietary squalene increases high density lipoprotein-cholesterol and paraoxonase 1 and decreases oxidative stress in mice. <i>PLoS ONE</i> , 2014 , 9, e104224	3.7	30
68	Accelerated atherosclerosis in apolipoprotein E-deficient mice fed Western diets containing palm oil compared with extra virgin olive oils: a role for small, dense high-density lipoproteins. <i>Atherosclerosis</i> , 2007 , 194, 372-82	3.1	30
67	PON1 and Mediterranean Diet. <i>Nutrients</i> , 2015 , 7, 4068-92	6.7	29
66	Transcriptomics and the Mediterranean Diet: A Systematic Review. <i>Nutrients</i> , 2017 , 9,	6.7	28
65	Cystathionine Synthase deficiency causes infertility by impairing decidualization and gene expression networks in uterus implantation sites. <i>Physiological Genomics</i> , 2012 , 44, 702-16	3.6	27
64	Understanding the role of dietary components on atherosclerosis using genetic engineered mouse models. <i>Frontiers in Bioscience - Landmark</i> , 2006 , 11, 955-67	2.8	27
63	Extra virgin olive oil intake delays the development of amyotrophic lateral sclerosis associated with reduced reticulum stress and autophagy in muscle of SOD1G93A mice. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 885-92	6.3	24
62	Effects of dietary fat amount and saturation on the regulation of hepatic mRNA and plasma apolipoprotein A-I in rats. <i>Atherosclerosis</i> , 2000 , 152, 69-78	3.1	24
61	Sex as a profound modifier of atherosclerotic lesion development in apolipoprotein E-deficient mice with different genetic backgrounds. <i>Journal of Atherosclerosis and Thrombosis</i> , 2010 , 17, 712-21	4	24
60	Toxicity of Carbon Nanomaterials and Their Potential Application as Drug Delivery Systems: In Vitro Studies in Caco-2 and MCF-7 Cell Lines. <i>Nanomaterials</i> , 2020 , 10,	5.4	23
59	Folic acid supplementation delays atherosclerotic lesion development in apoE-deficient mice. <i>Life Sciences</i> , 2007 , 80, 638-43	6.8	22

58	Microsomal sphingomyelin accumulation in thioacetamide-injured regenerating rat liver: involvement of sphingomyelin synthase activity. <i>Carcinogenesis</i> , 1993 , 14, 941-6	4.6	22
57	Isolation of rat liver lysosomes by a single two-phase partition on dextran/polyethylene glycol. <i>Analytical Biochemistry</i> , 1990 , 185, 249-53	3.1	21
56	Dietary oleanolic acid mediates circadian clock gene expression in liver independently of diet and animal model but requires apolipoprotein A1. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 2100-9	6.3	18
55	New genes involved in hepatic steatosis. <i>Current Opinion in Lipidology</i> , 2011 , 22, 159-64	4.4	16
54	Apolipoprotein E determines the hepatic transcriptional profile of dietary maslinic acid in mice. <i>Journal of Nutritional Biochemistry</i> , 2009 , 20, 882-93	6.3	16
53	Olive oils modulate fatty acid content and signaling protein expression in apolipoprotein E knockout mice brain. <i>Lipids</i> , 2010 , 45, 53-61	1.6	16
52	Postprandial changes in high density lipoproteins in rats subjected to gavage administration of virgin olive oil. <i>PLoS ONE</i> , 2013 , 8, e55231	3.7	16
51	Proteomics and gene expression analyses of squalene-supplemented mice identify microsomal thioredoxin domain-containing protein 5 changes associated with hepatic steatosis. <i>Journal of Proteomics</i> , 2012 , 77, 27-39	3.9	15
50	Protein Hydrolysates from Fenugreek () as Nutraceutical Molecules in Colon Cancer Treatment. <i>Nutrients</i> , 2019 , 11,	6.7	13
49	In comparison with palm oil, dietary nut supplementation delays the progression of atherosclerotic lesions in female apoE-deficient mice. <i>British Journal of Nutrition</i> , 2013 , 109, 202-9	3.6	13
48	HDL-related mechanisms of olive oil protection in cardiovascular disease. <i>Current Vascular Pharmacology</i> , 2012 , 10, 392-409	3.3	13
47	Response of ApoA-IV in pigs to long-term increased dietary oil intake and to the degree of unsaturation of the fatty acids. <i>British Journal of Nutrition</i> , 2004 , 92, 763-9	3.6	13
46	Could squalene be an added value to use olive by-products?. <i>Journal of the Science of Food and Agriculture</i> , 2020 , 100, 915-925	4.3	12
45	Postprandial transcriptome associated with virgin olive oil intake in rat liver. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 11-21	1.6	11
44	Cysteinemia, rather than homocysteinemia, is associated with plasma apolipoprotein A-I levels in hyperhomocysteinemia: lipid metabolism in cystathionine beta-synthase deficiency. <i>Atherosclerosis</i> , 2010 , 212, 268-73	3.1	11
43	Proteomics and gene expression analyses of mitochondria from squalene-treated apoE-deficient mice identify short-chain specific acyl-CoA dehydrogenase changes associated with fatty liver amelioration. <i>Journal of Proteomics</i> , 2012 , 75, 2563-75	3.9	10
42	The Search for Dietary Supplements to Elevate or Activate Circulating Paraoxonases. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	10
41	Genetically based hypertension generated through interaction of mild hypoalphalipoproteinemia and mild hyperhomocysteinemia. <i>Journal of Hypertension</i> , 2007 , 25, 1597-607	1.9	10

40	Cloning, characterization, expression and comparative analysis of pig Golgi membrane sphingomyelin synthase 1. <i>Gene</i> , 2007 , 388, 117-24	3.8	10
39	The use of transcriptomics to unveil the role of nutrients in Mammalian liver. <i>ISRN Nutrition</i> , 2013 , 2013, 403792		10
38	Grape Stem Extracts with Potential Anticancer and Antioxidant Properties. <i>Antioxidants</i> , 2021 , 10,	7.1	10
37	Cloning, characterization and comparative analysis of pig plasma apolipoprotein A-IV. <i>Gene</i> , 2004 , 325, 157-64	3.8	9
36	Valorization of agro-food by-products and their potential therapeutic applications. <i>Food and Bioproducts Processing</i> , 2021 , 128, 247-258	4.9	9
35	Identification and validation of common molecular targets of hydroxytyrosol. <i>Food and Function</i> , 2019 , 10, 4897-4910	6.1	8
34	Nitric oxide involved in the IL-1 β induced inhibition of fructose intestinal transport. <i>Journal of Cellular Biochemistry</i> , 2010 , 111, 1321-9	4.7	8
33	is responsible for the sex differences in hepatic mRNA expression in hepatic steatosis of mice fed a Western diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 318, E249-E261	6	7
32	Simvastatin reverses the hypertension of heterozygous mice lacking cystathionine beta-synthase and apolipoprotein A-I. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008 , 377, 35-43	3.4	7
31	Phenolic-Rich Extracts from Avocado Fruit Residues as Functional Food Ingredients with Antioxidant and Antiproliferative Properties. <i>Biomolecules</i> , 2021 , 11,	5.9	7
30	Effect of Melatonin as an Antioxidant Drug to Reverse Hepatic Steatosis: Experimental Model. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2020 , 2020, 7315253	2.8	6
29	Conocimiento de la acción biológica del aceite de oliva virgen extra mediante el uso del ratón carente de la apolipoproteína E. <i>Revista Espanola De Cardiologia</i> , 2009 , 62, 294-304	1.5	6
28	Preparation of knockout mice. <i>Methods in Molecular Biology</i> , 1998 , 110, 79-92	1.4	6
27	Nucleotide sequences of the Macaca fascicularis apolipoprotein C-III and A-IV genes. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1993 , 1172, 335-9		6
26	Prenylcysteine oxidase 1, a pro-oxidant enzyme of low density lipoproteins. <i>Frontiers in Bioscience - Landmark</i> , 2018 , 23, 1020-1037	2.8	6
25	A Combination of Extracts and Gold Complex Favors Apoptosis of Caco-2 Cells by Increasing Oxidative Stress and Mitochondrial Dysfunction. <i>Antioxidants</i> , 2019 , 9,	7.1	5
24	Hepatic subcellular distribution of squalene changes according to the experimental setting. <i>Journal of Physiology and Biochemistry</i> , 2018 , 74, 531-538	5	4
23	Caloric restriction or telmisartan control dyslipidemia and nephropathy in obese diabetic Zucker rats. <i>Diabetology and Metabolic Syndrome</i> , 2014 , 6, 10	5.6	4

22	Differential antioxidative and hypocholesterolemic responses to two fish protein hydrolysates (Sardina pilchardus and Boops boops) in cholesterol-fed rats. <i>Nutrition and Food Science</i> , 2015 , 45, 448-466	1.5	4
21	Fenugreek proteins and their hydrolysates prevent hypercholesterolemia and enhance the HDL antioxidant properties in rats. <i>Nutrition and Food Science</i> , 2018 , 48, 973-989	1.5	4
20	Hypocholesterolaemic and antioxidant efficiency of chickpea (Cicer arietinum) protein hydrolysates depend on its degree of hydrolysis in cholesterol-fed rat. <i>Nutrition and Food Science</i> , 2017 , 47, 254-269	1.5	3
19	LPS-squalene interaction on D-galactose intestinal absorption. <i>Journal of Physiology and Biochemistry</i> , 2019 , 75, 329-340	5	3
18	Cloning and expression of hepatic synaptotagmin 1 in mouse. <i>Gene</i> , 2015 , 562, 236-43	3.8	3
17	Nitric oxide-releasing agent, LA419, reduces atherogenesis in apolipoprotein E-deficient mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009 , 379, 489-500	3.4	3
16	Dietary Squalene Induces Cytochromes Cyp2b10 and Cyp2c55 Independently of Sex, Dose, and Diet in Several Mouse Models. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e2000354	5.9	3
15	Determination of total plasma oxysterols by enzymatic hydrolysis, solid phase extraction and liquid chromatography coupled to mass-spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 150, 396-405	3.5	2
14	Transcriptomics and Nutrition in Mammals581-608		2
13	Dietary Erythrodiol Modifies Hepatic Transcriptome in Mice in a Sex and Dose-Dependent Way. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
12	Squalene through Its Post-Squalene Metabolites Is a Modulator of Hepatic Transcriptome in Rabbits.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2
11	Knowledge of the biological actions of extra virgin olive oil gained from mice lacking apolipoprotein E. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2009 , 62, 294-304	0.7	1
10	Hepatic galectin-3 is associated with lipid droplet area in non-alcoholic steatohepatitis in a new swine model.. <i>Scientific Reports</i> , 2022 , 12, 1024	4.9	1
9	Hepatic Synaptotagmin 1 is involved in the remodelling of liver plasma- membrane lipid composition and gene expression in male Apoe-deficient mice consuming a Western diet. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158790	5	1
8	Diet and sexual hormones regulate hepatic synaptotagmin 1 mRNA in mice. <i>Frontiers in Bioscience - Elite</i> , 2016 , 8, 129-142	1.6	1
7	Diet and sexual hormones regulate hepatic synaptotagmin 1 mRNA in mice. <i>Frontiers in Bioscience - Elite</i> , 2016 , 8, 129-42	1.6	1
6	Dietary squalene modifies plasma lipoproteins and hepatic cholesterol metabolism in rabbits. <i>Food and Function</i> , 2021 , 12, 8141-8153	6.1	1
5	Unveiling the Antioxidant Therapeutic Functionality of Sustainable Olive Pomace Active Ingredients. <i>Antioxidants</i> , 2022 , 11, 828	7.1	0

4 Olive Oil Cultivars and Atherosclerotic Protection in Apolipoprotein E-knockout Mice **2010**, 845-852

3 Microarray Analysis of Hepatic Genes Altered in Response to Olive Oil Fractions **2010**, 1143-1149

2 Effects of Hydroxytyrosol on Atherosclerotic Lesions in apoE-Deficient Mice **2010**, 1269-1274

1 Hiperhomocisteinemia. Panorama actual y contribuci3n del rat3n a su estudio. *Cl3nica E Investigaci3n En Arteriosclerosis*, **2010**, 22, 200-219 1.4