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List of Publications by Year
in descending order

68 papers	2,009 citations	218677 26 h-index	254184 43 g-index
68 all docs	68 docs citations	68 times ranked	3198 citing authors

#	Article	IF	Citations
1	Endothelial dysfunction and aging: An update. Ageing Research Reviews, 2010, 9, 142-152.	10.9	252
2	Potential vasorelaxant effects of oleanolic acid and erythrodiol, two triterpenoids contained in â€˜orujoâ€™ olive oil, on rat aorta. British Journal of Nutrition, 2004, 92, 635-642.	2.3	104
3	Carnitine palmitoyltransferase 1C: From cognition to cancer. Progress in Lipid Research, 2016, 61, 134-148.	11.6	102
4	Triterpenic Compounds from â€œOrujoâ€•Olive Oil Elicit Vasorelaxation in Aorta from Spontaneously Hypertensive Rats. Journal of Agricultural and Food Chemistry, 2006, 54, 2096-2102.	5.2	89
5	Drug uptake-based chemoresistance in breast cancer treatment. Biochemical Pharmacology, 2020, 177, 113959.	4.4	88
6	Pomace Olive Oil Improves Endothelial Function in Spontaneously Hypertensive Rats by Increasing Endothelial Nitric Oxide Synthase Expression. American Journal of Hypertension, 2007, 20, 728-734.	2.0	63
7	Pharmacological effects and clinical applications of propionyl-L-carnitine. Nutrition Reviews, 2011, 69, 279-290.	5.8	62
8	Oleanolic Acid and Related Triterpenoids from Olives on Vascular Function: Molecular Mechanisms and Therapeutic Perspectives. Current Medicinal Chemistry, 2015, 22, 1414-1425.	2.4	60
9	Oleanolic acid induces relaxation and calciumâ€independent release of endotheliumâ€derived nitric oxide. British Journal of Pharmacology, 2008, 155, 535-546.	5.4	57
10	Rice bran enzymatic extract restores endothelial function and vascular contractility in obese rats by reducing vascular inflammation and oxidative stress. Journal of Nutritional Biochemistry, 2013, 24, 1453-1461.	4.2	53
11	Water-soluble rice bran enzymatic extract attenuates dyslipidemia, hypertension and insulin resistance in obese Zucker rats. European Journal of Nutrition, 2013, 52, 789-797.	3.9	51
12	Oleanolic Acid Induces Prostacyclin Release in Human Vascular Smooth Muscle Cells through a Cyclooxygenase-2-Dependent Mechanism. Journal of Nutrition, 2008, 138, 443-448.	2.9	49
13	Novel approaches to improving endothelium-dependent nitric oxide-mediated vasodilatation. Pharmacological Reports, 2009, 61, 105-115.	3.3	48
14	Superparamagnetic Ag@Coâ€Nanocomposites on Granulated Cation Exchange Polymeric Matrices with Enhanced Antibacterial Activity for the Environmentally Safe Purification of Water. Advanced Functional Materials, 2013, 23, 2450-2458.	14.9	47
15	Rice bran enzymatic extractâ€“supplemented diets modulate adipose tissue inflammation markers in Zucker rats. Nutrition, 2014, 30, 466-472.	2.4	47
16	Rice bran prevents high-fat diet-induced inflammation and macrophage content in adipose tissue. European Journal of Nutrition, 2016, 55, 2011-2019.	3.9	41
17	Endothelium-dependent vasodilator and antioxidant properties of a novel enzymatic extract of grape pomace from wine industrial waste. Food Chemistry, 2012, 135, 1044-1051.	8.2	40
18	Antiatherogenic effects of oleanolic acid in apolipoprotein E knockout mice. European Journal of Pharmacology, 2011, 670, 519-526.	3.5	39

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19	Tau hyperphosphorylation and increased BACE1 and RAGE levels in the cortex of PPARÎ²/Î´-null mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1241-1248.	3.8	37
20	Astrocytes and oligodendrocytes in grey and white matter regions of the brain metabolize fatty acids. Scientific Reports, 2017, 7, 10779.	3.3	34
21	Effects of pomace olive oil-enriched diets on endothelial function of small mesenteric arteries from spontaneously hypertensive rats. British Journal of Nutrition, 2009, 102, 1435-1444.	2.3	32
22	Functional Properties of Pentacyclic Triterpenes Contained in "Orujo" Olive Oil. Current Nutrition and Food Science, 2006, 2, 45-49.	0.6	31
23	Desensitization of endothelial P2Y1 receptors by PKCâ€dependent mechanisms in pressurized rat small mesenteric arteries. British Journal of Pharmacology, 2009, 158, 1609-1620.	5.4	29
24	l-carnitine and its propionate: Improvement of endothelial function in SHR through superoxide dismutase-dependent mechanisms. Free Radical Research, 2007, 41, 884-891.	3.3	28
25	Critical update for the clinical use of L-carnitine analogs in cardiometabolic disorders. Vascular Health and Risk Management, 2011, 7, 169.	2.3	28
26	Monolithically integrated biophotonic lab-on-a-chip for cell culture and simultaneous pH monitoring. Lab on A Chip, 2013, 13, 4239.	6.0	28
27	The return of malonyl-CoA to the brain: Cognition and other stories. Progress in Lipid Research, 2021, 81, 101071.	11.6	28
28	CPT1C in the ventromedial nucleus of the hypothalamus is necessary for brown fat thermogenesis activation in obesity. Molecular Metabolism, 2019, 19, 75-85.	6.5	27
29	SIRT3 deficiency exacerbates fatty liver by attenuating the HIF1Î±-LIPIN 1 pathway and increasing CD36 through Nrf2. Cell Communication and Signaling, 2020, 18, 147.	6.5	25
30	Pomace Olive Oil Concentrated in Triterpenic Acids Restores Vascular Function, Glucose Tolerance and Obesity Progression in Mice. Nutrients, 2020, 12, 323.	4.1	22
31	Measurement of Nitric Oxide and Reactive Oxygen Species in the Vascular Wall. Current Analytical Chemistry, 2012, 8, 485-494.	1.2	21
32	PPARÎ²/Î´ ameliorates fructose-induced insulin resistance in adipocytes by preventing Nrf2 activation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1049-1058.	3.8	21
33	Sonochemical coating of Prussian Blue for the production of smart bacterial-sensing hospital textiles. Ultrasonics Sonochemistry, 2021, 70, 105317.	8.2	21
34	Microvascular disorders in obese Zucker rats are restored by a rice bran diet. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 524-531.	2.6	18
35	Hypothalamic Regulation of Liver and Muscle Nutrient Partitioning by Brain-Specific Carnitine Palmitoyltransferase 1C in Male Mice. Endocrinology, 2017, 158, 2226-2238.	2.8	18
36	Polyphosphate degradation by Nudt3-Zn2+ mediates oxidative stress response. Cell Reports, 2021, 37, 110004.	6.4	18

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37	Mediterranean tomato-based sofrito protects against vascular alterations in obese Zucker rats by preserving NO bioavailability. Molecular Nutrition and Food Research, 2017, 61, 1601010.	3.3	17
38	Cell-based microfluidic device for screening anti-proliferative activity of drugs in vascular smooth muscle cells. Biomedical Microdevices, 2012, 14, 1129-1140.	2.8	16
39	New Insights of SF1 Neurons in Hypothalamic Regulation of Obesity and Diabetes. International Journal of Molecular Sciences, 2021, 22, 6186.	4.1	16
40	Mediterranean Tomatoâ€Based Sofrito Sauce Improves Fibroblast Growth Factor 21 (FGF21) Signaling in White Adipose Tissue of Obese ZUCKER Rats. Molecular Nutrition and Food Research, 2018, 62, 1700606.	3.3	15
41	Reconfigurable multiplexed point of Care System for monitoring type 1 diabetes patients. Biosensors and Bioelectronics, 2019, 136, 38-46.	10.1	15
42	Structural, mechanical and myogenic properties of small mesenteric arteries from ApoE KO mice: Characterization and effects of virgin olive oil diets. Atherosclerosis, 2015, 238, 55-63.	0.8	13
43	Hypothalamic endocannabinoids inversely correlate with the development of diet-induced obesity in male and female mice. Journal of Lipid Research, 2019, 60, 1260-1269.	4.2	13
44	Functional Properties of Pentacyclic Triterpenes Contained in Pomace Olive Oil. , 2010, , 1431-1438.		12
45	An overview of nanomedicines for neuron targeting. Nanomedicine, 2020, 15, 1617-1636.	3.3	12
46	Molecular Mechanisms Underlying the Effects of Olive Oil Triterpenic Acids in Obesity and Related Diseases. Nutrients, 2022, 14, 1606.	4.1	12
47	A self-calibrating and multiplexed electrochemical lab-on-a-chip for cell culture analysis and high-resolution imaging. Lab on A Chip, 2020, 20, 823-833.	6.0	11
48	Carnitine palmitoyltransferase 1C negatively regulates the endocannabinoid hydrolase ABHD6 in mice, depending on nutritional status. British Journal of Pharmacology, 2021, 178, 1507-1523.	5.4	11
49	Hypothalamic endocannabinoids in obesity: an old story with new challenges. Cellular and Molecular Life Sciences, 2021, 78, 7469-7490.	5.4	11
50	Effects of Oleic Acid Rich Oils on Aorta Lipids and Lipoprotein Lipase Activity of Spontaneously Hypertensive Rats. Journal of Agricultural and Food Chemistry, 2005, 53, 7330-7336.	5.2	10
51	Intermatrix synthesis of monometallic and magnetic metal/metal oxide nanoparticles with bactericidal activity on anionic exchange polymers. RSC Advances, 2012, 2, 4596.	3.6	10
52	Poly-ion complex micelles effectively deliver CoA-conjugated CPT1A inhibitors to modulate lipid metabolism in brain cells. Biomaterials Science, 2021, 9, 7076-7091.	5.4	10
53	Grape pomace enzymatic extract restores vascular dysfunction evoked by endothelin-1 and DETCA via NADPH oxidase downregulation and SOD activation. Journal of Functional Foods, 2013, 5, 1673-1683.	3.4	9
54	Phenolic content of extra virgin olive oil is essential to restore endothelial dysfunction but not to prevent vascular inflammation in atherosclerotic lesions of Apo E deficient mice. Journal of Functional Foods, 2015, 15, 126-136.	3.4	9

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55	Editorial: Current Challenges for Targeting Brown Fat Thermogenesis to Combat Obesity. Frontiers in Endocrinology, 2020, 11, 600341.	3.5	6
56	Natural Triterpenoids from Olive Oil: Potential Activities Against Cancer. , 2012, , 447-461.		5
57	Diet supplementation with rice bran enzymatic extract restores endothelial impairment and wall remodelling of ApoEâ¯/â¯ mice microvessels. Atherosclerosis, 2016, 250, 15-22.	0.8	5
58	Hypothalamic Regulation of Obesity. International Journal of Molecular Sciences, 2021, 22, 13459.	4.1	5
59	Selective targeting of neurons using nanomedicine-based strategies: open questions and new opportunities. Nanomedicine, 2022, 17, 495-498.	3.3	4
60	Vasorelaxant Effects of Oleanolic Acid and Erythrodiol in Pomace Olive Oil. , 2010, , 813-820.		2
61	Activity-tunable nanocomposites based on dissolution and in situ recrystallization of nanoparticles on ion exchange resins. RSC Advances, 2015, 5, 89971-89975.	3.6	2
62	Opto-mechanical microbridles for the determination of structural and functional properties of small resistance arteries. , 2014, , .		0
63	Virgin olive oil restores structural, myogenic and functional alterations of small mesenteric arteries from apoe ko mice. Atherosclerosis, 2014, 235, e112-e113.	0.8	0
64	Characterization of Ferrofluid-Based Stimuli-Responsive Elastomers. Frontiers in Mechanical Engineering, 2016, 2, .	1.8	0
65	Self-oriented Ag-based polycrystalline cubic nanostructures through polymer stabilization. Nanotechnology, 2016, 27, 425603.	2.6	0
66	Ultrasensitive Photonic Microsystem Enabling Sub-micrometric Monitoring of Arterial Oscillations for Advanced Cardiovascular Studies. Frontiers in Physiology, 2019, 10, 940.	2.8	0
67	Endothelial P2Y1 receptor desensitizes by protein kinase Câ€dependent mechanisms in rat small mesenteric arteries. FASEB Journal, 2008, 22, 636-636.	0.5	0
68	A New Nanomedicine Platform to Deliver a Carnitine Palmitoyl-Transferase 1 (CPT1) Inhibitor into Glioma Cells and Neurons. Materials Proceedings, 2020, 4, .	0.2	0