

Miquel Mulero

List of Publications by Year in Descending Order

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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.

61
papers

1,590
citations

22
h-index

38
g-index

67
ext. papers

1,987
ext. citations

5.2
avg. IF

4.49
L-index

#	Paper	IF	Citations
61	Identification of novel antihypertensive peptides from wine lees hydrolysate. <i>Food Chemistry</i> , 2022 , 366, 130690	8.5	3
60	Cardioprotective properties of phenolic compounds: a role for biological rhythms.. <i>Molecular Nutrition and Food Research</i> , 2022 , e2100990	5.9	0
59	Time-of-day dependent effect of proanthocyanidins on adipose tissue metabolism in rats with diet-induced obesity.. <i>International Journal of Obesity</i> , 2022 ,	5.5	3
58	Proanthocyanidins Restore the Metabolic Diurnal Rhythm of Subcutaneous White Adipose Tissue According to Time-Of-Day Consumption. <i>Nutrients</i> , 2022 , 14, 2246	6.7	
57	Blood Pressure-Lowering Effect of Wine Lees: Dose-Response Study, Effect of Dealkoholization and Possible Mechanisms of Action. <i>Nutrients</i> , 2021 , 13,	6.7	3
56	Impact of gut microbiota on plasma oxylipins profile under healthy and obesogenic conditions. <i>Clinical Nutrition</i> , 2021 , 40, 1475-1486	5.9	1
55	Anti-Inflammatory and Immunomodulatory Effects of the Natural Compound -Orsellinaldehyde on LPS-Challenged Murine Primary Glial Cells. Roles of NF- κ B and MAPK. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
54	Phenolic compounds and biological rhythms: Who takes the lead?. <i>Trends in Food Science and Technology</i> , 2021 , 113, 77-85	15.3	12
53	In vitro gastrointestinal digestion impact on stability, bioaccessibility and antioxidant activity of polyphenols from wild and commercial blackberries (<i>Rubus</i> spp.). <i>Food and Function</i> , 2021 , 12, 7358-7378	6.1	10
52	Obesogenic effects of chlorpyrifos and its metabolites during the differentiation of 3T3-L1 preadipocytes. <i>Food and Chemical Toxicology</i> , 2020 , 137, 111171	4.7	15
51	Oxidative Stress in Rats is Modulated by Seasonal Consumption of Sweet Cherries from Different Geographical Origins: Local vs. Non-Local. <i>Nutrients</i> , 2020 , 12,	6.7	5
50	Understanding the variability of the S1Tpocket to improve matrix metalloproteinase inhibitor selectivity profiles. <i>Drug Discovery Today</i> , 2020 , 25, 38-57	8.8	18
49	Mining large databases to find new leads with low similarity to known actives: application to find new DPP-IV inhibitors. <i>Future Medicinal Chemistry</i> , 2019 , 11, 1387-1401	4.1	1
48	The Light and Dark Sides of Virtual Screening: What Is There to Know?. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	71
47	Chrononutrition and Polyphenols: Roles and Diseases. <i>Nutrients</i> , 2019 , 11,	6.7	19
46	Synthesis of Polyfluorinated KRN7000 Analogues and Biological Implications. <i>Proceedings (mdpi)</i> , 2019 , 22, 89	0.3	
45	Optimization and characterization of Royal Dawn cherry (<i>Prunus avium</i>) phenolics extraction. <i>Scientific Reports</i> , 2019 , 9, 17626	4.9	7

44	Activity and selectivity cliffs for DPP-IV inhibitors: Lessons we can learn from SAR studies and their application to virtual screening. <i>Medicinal Research Reviews</i> , 2018 , 38, 1874-1915	14.4	16
43	Resveratrol Potently Counteracts Quercetin Starvation-Induced Autophagy and Sensitizes HepG2 Cancer Cells to Apoptosis. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, 1700610	5.9	24
42	Oral exposure to silver nanoparticles increases oxidative stress markers in the liver of male rats and deregulates the insulin signalling pathway and p53 and cleaved caspase 3 protein expression. <i>Food and Chemical Toxicology</i> , 2018 , 115, 398-404	4.7	37
41	Combined Ligand- and Receptor-Based Virtual Screening Methodology to Identify Structurally Diverse Protein Tyrosine Phosphatase 1B Inhibitors. <i>ChemMedChem</i> , 2018 , 13, 1939-1948	3.7	3
40	Optimized Extraction by Response Surface Methodology Used for the Characterization and Quantification of Phenolic Compounds in Whole Red Grapes (). <i>Nutrients</i> , 2018 , 10,	6.7	14
39	Anti-inflammatory and Proapoptotic Properties of the Natural Compound o-Orsellinaldehyde. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 10952-10963	5.7	3
38	Multiple Peroxisome Proliferator-Activated Receptor-Based Ligands. <i>Methods and Principles in Medicinal Chemistry</i> , 2017 , 397-432	0.4	
37	Ephedrine as a lead compound for the development of new DPP-IV inhibitors. <i>Future Medicinal Chemistry</i> , 2017 , 9, 2129-2146	4.1	12
36	How do Detergents Work? A Qualitative Assay to Measure Amylase Activity. <i>Journal of Biological Education</i> , 2016 , 50, 251-260	0.9	2
35	Peroxisome Proliferator-Activated Receptor (PPAR) and Ligand Choreography: Newcomers Take the Stage. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 5381-94	8.3	61
34	Procyanidins and docosahexaenoic acid suppress inflammation and boost immune system in cafeteria diet-fed rats. <i>Journal of Functional Foods</i> , 2015 , 15, 61-71	5.1	9
33	Molecular fingerprint similarity search in virtual screening. <i>Methods</i> , 2015 , 71, 58-63	4.6	273
32	Tools for in silico target fishing. <i>Methods</i> , 2015 , 71, 98-103	4.6	88
31	Perinatal exposure to BDE-99 causes decreased protein levels of cyclin D1 via GSK3 β activation and increased ROS production in rat pup livers. <i>Toxicological Sciences</i> , 2014 , 137, 491-8	4.4	11
30	Grape seed proanthocyanidin extract improves the hepatic glutathione metabolism in obese Zucker rats. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 727-37	5.9	29
29	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. <i>Food Chemistry</i> , 2014 , 165, 14-20	8.5	15
28	Resveratrol enhances palmitate-induced ER stress and apoptosis in cancer cells. <i>PLoS ONE</i> , 2014 , 9, e113929	3.7	38
27	Discovery of Natural Products that Modulate the Activity of PPARgamma: A Source for New Antidiabetics 2014 , 151-176		0

26	The good, the bad and the dubious: VHELIBS, a validation helper for ligands and binding sites. <i>Journal of Cheminformatics</i> , 2013 , 5, 36	8.6	36
25	DHA sensitizes FaO cells to tert-BHP-induced oxidative effects. Protective role of EGCG. <i>Food and Chemical Toxicology</i> , 2013 , 62, 750-7	4.7	12
24	Perinatal exposure to BDE-99 causes learning disorders and decreases serum thyroid hormone levels and BDNF gene expression in hippocampus in rat offspring. <i>Toxicology</i> , 2013 , 308, 122-8	4.4	33
23	Identification of PPARgamma partial agonists of natural origin (II): in silico prediction in natural extracts with known antidiabetic activity. <i>PLoS ONE</i> , 2013 , 8, e55889	3.7	21
22	Analysis of RXR/THR and RXR/PPARG2 heterodimerization by bioluminescence resonance energy transfer (BRET). <i>PLoS ONE</i> , 2013 , 8, e84569	3.7	9
21	Development of docking-based 3D-QSAR models for PPARgamma full agonists. <i>Journal of Molecular Graphics and Modelling</i> , 2012 , 36, 1-9	2.8	13
20	Identification of novel human dipeptidyl peptidase-IV inhibitors of natural origin (part I): virtual screening and activity assays. <i>PLoS ONE</i> , 2012 , 7, e44971	3.7	25
19	Identification of PPARgamma partial agonists of natural origin (I): development of a virtual screening procedure and in vitro validation. <i>PLoS ONE</i> , 2012 , 7, e50816	3.7	38
18	Characterization of the activity and stability of amylase from saliva and detergent: laboratory practicals for studying the activity and stability of amylase from saliva and various commercial detergents. <i>Biochemistry and Molecular Biology Education</i> , 2012 , 40, 254-65	1.3	9
17	DecoyFinder: an easy-to-use python GUI application for building target-specific decoy sets. <i>Bioinformatics</i> , 2012 , 28, 1661-2	7.2	127
16	Identification of novel human dipeptidyl peptidase-IV inhibitors of natural origin (Part II): in silico prediction in antidiabetic extracts. <i>PLoS ONE</i> , 2012 , 7, e44972	3.7	14
15	Gestational exposure to BDE-99 produces toxicity through upregulation of CYP isoforms and ROS production in the fetal rat liver. <i>Toxicological Sciences</i> , 2012 , 127, 296-302	4.4	22
14	BDE-99 deregulates BDNF, Bcl-2 and the mRNA expression of thyroid receptor isoforms in rat cerebellar granular neurons. <i>Toxicology</i> , 2011 , 290, 305-11	4.4	27
13	Identification of human IKK-2 inhibitors of natural origin (Part II): in Silico prediction of IKK-2 inhibitors in natural extracts with known anti-inflammatory activity. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 6098-103	6.8	16
12	Structural insights for the design of new PPARgamma partial agonists with high binding affinity and low transactivation activity. <i>Journal of Computer-Aided Molecular Design</i> , 2011 , 25, 717-28	4.2	40
11	Characterization of the protease activity of detergents: laboratory practicals for studying the protease profile and activity of various commercial detergents. <i>Biochemistry and Molecular Biology Education</i> , 2011 , 39, 280-90	1.3	11
10	Acute administration of grape seed proanthocyanidin extract modulates energetic metabolism in skeletal muscle and BAT mitochondria. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 4279-87	5.7	40
9	Identification of human IKK-2 inhibitors of natural origin (part I): modeling of the IKK-2 kinase domain, virtual screening and activity assays. <i>PLoS ONE</i> , 2011 , 6, e16903	3.7	18

8	Evaluation of oxidative stress biomarkers in patients with chronic renal failure: a case control study. <i>BMC Research Notes</i> , 2010 , 3, 20	2.3	20
7	Granulocyte macrophage–colony-stimulating factor-dependent proliferation is impaired in macrophages from senescence-accelerated mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008 , 63, 1161-7	6.4	2
6	Polypodium leucotomos extract inhibits glutathione oxidation and prevents Langerhans cell depletion induced by UVB/UVA radiation in a hairless rat model. <i>Experimental Dermatology</i> , 2008 , 17, 653-8	4	36
5	Changes in oxidative stress parameters and neurodegeneration markers in the brain of the senescence-accelerated mice SAMP-8. <i>Experimental Gerontology</i> , 2006 , 41, 360-7	4.5	68
4	Oxidative stress-related markers and langerhans cells in a hairless rat model exposed to UV radiation. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006 , 69, 1371-85	3.2	27
3	Melatonin reduces oxidative stress in erythrocytes and plasma of senescence-accelerated mice. <i>Journal of Pineal Research</i> , 2006 , 41, 142-9	10.4	30
2	Aluminum-induced pro-oxidant effects in rats: protective role of exogenous melatonin. <i>Journal of Pineal Research</i> , 2003 , 35, 32-9	10.4	58
1	Parameters related to oxygen free radicals in erythrocytes, plasma and epidermis of the hairless rat. <i>Life Sciences</i> , 2002 , 71, 1739-49	6.8	30