

Miquel Mulero

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8399699/miquel-mulero-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Molecular fingerprint similarity search in virtual screening. <i>Methods</i> , 2015 , 71, 58-63	4.6	273
60	DecoyFinder: an easy-to-use python GUI application for building target-specific decoy sets. <i>Bioinformatics</i> , 2012 , 28, 1661-2	7.2	127
59	Tools for in silico target fishing. <i>Methods</i> , 2015 , 71, 98-103	4.6	88
58	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
57	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
56	Peroxisome Proliferator-Activated Receptor γ (PPAR γ) and Ligand Choreography: Newcomers Take the Stage. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 5381-94	8.3	61
55	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
54	Structural insights for the design of new PPAR γ 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
53	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
52	Resveratrol enhances palmitate-induced ER stress and apoptosis in cancer cells. <i>PLoS ONE</i> , 2014 , 9, e113929	3.7	38
51	Identification of PPAR γ 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
50	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
49	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
48	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
47	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
46	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
45	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

44	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
43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	Chrononutrition and Polyphenols: Roles and Diseases. <i>Nutrients</i> , 2019 , 11,	6.7	19
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	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
27	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

26	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
25	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
24	Phenolic compounds and biological rhythms: Who takes the lead?. <i>Trends in Food Science and Technology</i> , 2021 , 113, 77-85	15.3	12
23	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
22	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
21	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
20	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
19	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
18	Analysis of RXR/THR and RXR/PPARG2 heterodimerization by bioluminescence resonance energy transfer (BRET). <i>PLoS ONE</i> , 2013 , 8, e84569	3.7	9
17	Optimization and characterization of Royal Dawn cherry (<i>Prunus avium</i>) phenolics extraction. <i>Scientific Reports</i> , 2019 , 9, 17626	4.9	7
16	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
15	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
14	Blood Pressure-Lowering Effect of Wine Lees: Dose-Response Study, Effect of Dealcoholization and Possible Mechanisms of Action. <i>Nutrients</i> , 2021 , 13,	6.7	3
13	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
12	Identification of novel antihypertensive peptides from wine lees hydrolysate. <i>Food Chemistry</i> , 2022 , 366, 130690	8.5	3
11	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
10	How do Detergents Work? A Qualitative Assay to Measure Amylase Activity. <i>Journal of Biological Education</i> , 2016 , 50, 251-260	0.9	2
9	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

8	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
7	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
6	Impact of gut microbiota on plasma oxylipins profile under healthy and obesogenic conditions. <i>Clinical Nutrition</i> , 2021 , 40, 1475-1486	5.9	1
5	Discovery of Natural Products that Modulate the Activity of PPARgamma: A Source for New Antidiabetics 2014 , 151-176		0
4	Cardioprotective properties of phenolic compounds: a role for biological rhythms.. <i>Molecular Nutrition and Food Research</i> , 2022 , e2100990	5.9	0
3	Synthesis of Polyfluorinated KRN7000 Analogues and Biological Implications. <i>Proceedings (mdpi)</i> , 2019 , 22, 89	0.3	
2	Multiple Peroxisome Proliferator-Activated Receptor-Based Ligands. <i>Methods and Principles in Medicinal Chemistry</i> , 2017 , 397-432	0.4	
1	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	