

Desire Bartolini

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.

53
papers

1,407
citations

20
h-index

36
g-index

73
ext. papers

1,850
ext. citations

6.1
avg, IF

4.78
L-index

#	Paper	IF	Citations
53	Effects of 5-fluorouracil on morphology, cell cycle, proliferation, apoptosis, autophagy and ROS production in endothelial cells and cardiomyocytes. <i>PLoS ONE</i> , 2015 , 10, e0115686	3.7	160
52	Melatonin regulates mesenchymal stem cell differentiation: a review. <i>Journal of Pineal Research</i> , 2014 , 56, 382-97	10.4	115
51	Nrf2-p62 autophagy pathway and its response to oxidative stress in hepatocellular carcinoma. <i>Translational Research</i> , 2018 , 193, 54-71	11	98
50	Cannabidiol inhibits angiogenesis by multiple mechanisms. <i>British Journal of Pharmacology</i> , 2012 , 167, 1218-31	8.6	81
49	Lipidomic biomarkers and mechanisms of lipotoxicity in non-alcoholic fatty liver disease. <i>Free Radical Biology and Medicine</i> , 2019 , 144, 293-309	7.8	63
48	Glutathione S-transferase pi expression regulates the Nrf2-dependent response to hormetic diselenides. <i>Free Radical Biology and Medicine</i> , 2015 , 88, 466-480	7.8	58
47	Selenocompounds in Cancer Therapy: An Overview. <i>Advances in Cancer Research</i> , 2017 , 136, 259-302	5.9	58
46	Excitotoxicity, neuroinflammation and oxidant stress as molecular bases of epileptogenesis and epilepsy-derived neurodegeneration: The role of vitamin E. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 1098-1112	6.9	55
45	Glutathione compartmentalization and its role in glutathionylation and other regulatory processes of cellular pathways. <i>BioFactors</i> , 2019 , 45, 152-168	6.1	49
44	Lipokines and oxysterols: novel adipose-derived lipid hormones linking adipose dysfunction and insulin resistance. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 811-820	7.8	44
43	The functional interactome of GSTP: A regulatory biomolecular network at the interface with the Nrf2 adaption response to oxidative stress. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1019, 29-44	3.2	39
42	Analytical strategies to assess the functional metabolome of vitamin E. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 124, 399-412	3.5	35
41	Determination of tocopherols and their metabolites by liquid-chromatography coupled with tandem mass spectrometry in human plasma and serum. <i>Talanta</i> , 2017 , 170, 552-561	6.2	33
40	Reaction kinetics and targeting to cellular glutathione S-transferase of the glutathione peroxidase mimetic PhSeZnCl and its D,L-poly lactide microparticle formulation. <i>Free Radical Biology and Medicine</i> , 2015 , 78, 56-65	7.8	33
39	Human serum determination and in vitro anti-inflammatory activity of the vitamin E metabolite E(13C ₆ hydroxy)-6-hydroxychroman. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 952-62	7.8	31
38	Nonalcoholic fatty liver disease impairs the cytochrome P-450-dependent metabolism of E ₆ tocopherol (vitamin E). <i>Journal of Nutritional Biochemistry</i> , 2017 , 47, 120-131	6.3	27
37	Nutritional and lipidomics biomarkers of docosahexaenoic acid-based multivitamin therapy in pediatric NASH. <i>Scientific Reports</i> , 2019 , 9, 2045	4.9	27

36	Melatonin prevents cadmium-induced bone damage: First evidence on an improved osteogenic/adipogenic differentiation balance of mesenchymal stem cells as underlying mechanism. <i>Journal of Pineal Research</i> , 2019 , 67, e12597	10.4	25
35	SARS-CoV-2 Survival on Surfaces and the Effect of UV-C Light. <i>Viruses</i> , 2021 , 13,	6.2	22
34	Targeting glutathione S-transferase P and its interactome with selenium compounds in cancer therapy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 130-143	4	21
33	Blood thiol status and erythrocyte glutathione-S-transferase in chronic kidney disease patients on treatment with frequent (daily) hemodialysis. <i>Free Radical Research</i> , 2014 , 48, 273-81	4	20
32	Increased plasma levels of the lipoperoxyl radical-derived vitamin E metabolite 8-oxocholesterol are an early indicator of lipotoxicity in fatty liver subjects. <i>Free Radical Biology and Medicine</i> , 2019 , 131, 115-125	7.8	20
31	Nondialyzable uremic toxins. <i>Blood Purification</i> , 2013 , 35 Suppl 2, 30-41	3.1	19
30	SARS-CoV2 infection impairs the metabolism and redox function of cellular glutathione. <i>Redox Biology</i> , 2021 , 45, 102041	11.3	19
29	Garcinoic Acid Is a Natural and Selective Agonist of Pregnane X Receptor. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 3701-3712	8.3	18
28	Neurobiological Correlates of Alpha-Tocopherol Antiepileptogenic Effects and MicroRNA Expression Modulation in a Rat Model of Kainate-Induced Seizures. <i>Molecular Neurobiology</i> , 2018 , 55, 7822-7838	6.2	17
27	Fenretinide (4-HPR) Targets Caspase-9, ERK 1/2 and the Wnt3a/β-Catenin Pathway in Medulloblastoma Cells and Medulloblastoma Cell Spheroids. <i>PLoS ONE</i> , 2016 , 11, e0154111	3.7	17
26	Free Radical-derived Oxysterols: Novel Adipokines Modulating Adipogenic Differentiation of Adipose Precursor Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 4974-4983	5.6	17
25	Physical Activity Modulates the Overexpression of the Inflammatory miR-146a-5p in Obese Patients. <i>IUBMB Life</i> , 2018 , 70, 1012-1022	4.7	17
24	The age-dependent decline of the extracellular thiol-disulfide balance and its role in SARS-CoV-2 infection. <i>Redox Biology</i> , 2021 , 41, 101902	11.3	15
23	Selenium and Cancer Stem Cells. <i>Advances in Cancer Research</i> , 2017 , 136, 235-257	5.9	14
22	LC-MS/MS assay for the simultaneous determination of tocopherols, polyunsaturated fatty acids and their metabolites in human plasma and serum. <i>Free Radical Biology and Medicine</i> , 2019 , 144, 134-143	7.8	12
21	Alpha-Tocopherol Metabolites (the Vitamin E Metabolome) and Their Interindividual Variability during Supplementation. <i>Antioxidants</i> , 2021 , 10,	7.1	12
20	CYP4F2 repression and a modified alpha-tocopherol (vitamin E) metabolism are two independent consequences of ethanol toxicity in human hepatocytes. <i>Toxicology in Vitro</i> , 2017 , 40, 124-133	3.6	10
19	Garcinoic acid prevents Amyloid (Aβ) deposition in the mouse brain. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11866-11876	5.4	10

18	Glutathione S-transferase P influences the Nrf2-dependent response of cellular thiols to seleno-compounds. <i>Cell Biology and Toxicology</i> , 2020 , 36, 379-386	7.4	10
17	A seleno-hormetine protects bone marrow hematopoietic cells against ionizing radiation-induced toxicities. <i>PLoS ONE</i> , 2019 , 14, e0205626	3.7	8
16	Nrf2-modulation by seleno-hormetic agents and its potential for radiation protection. <i>BioFactors</i> , 2020 , 46, 239-245	6.1	8
15	Anethole Dithiolethione Increases Glutathione in Kidney by Inhibiting -Glutamyltranspeptidase: Biochemical Interpretation and Pharmacological Consequences. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 3562972	6.7	4
14	Vitamin E: nutritional aspects 2020 , 447-485		4
13	Endoplasmic reticulum stress and NF-kB activation in SARS-CoV-2 infected cells and their response to antiviral therapy. <i>IUBMB Life</i> , 2021 ,	4.7	4
12	Co-crystal structure determination and cellular evaluation of 1,4-dihydropyrazolo[4,3-c] [1,2] benzothiazine 5,5-dioxide p38[MAPK inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 511, 579-586	3.4	3
11	Vitamin E: metabolism and molecular aspects 2020 , 487-518		3
10	Surface-activated chemical ionization-electrospray mass spectrometry in the analysis of urinary thiodiglycolic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 476-80	2.2	2
9	Analytical and molecular insights in the cytochrome P450 metabolism of vitamin E and lipotoxicity mechanisms of non-alcoholic fatty liver. <i>Free Radical Biology and Medicine</i> , 2016 , 96, S60-S61	7.8	2
8	Pre-analytical monitoring and protection of oxidizable lipids in human plasma (vitamin E and β and β fatty acids): An update for redox-lipidomics methods. <i>Free Radical Biology and Medicine</i> , 2021 , 176, 142-148	7.8	2
7	Vitamin E (Alpha-Tocopherol) Metabolism and Nutrition in Chronic Kidney Disease. <i>Antioxidants</i> , 2022 , 11, 989	7.1	2
6	Synthesis and phospholipidosis effect of a series of cationic amphiphilic compounds: a case study to evaluate in silico and in vitro assays. <i>Medicinal Chemistry Research</i> , 2018 , 27, 679-692	2.2	1
5	Effects of Titanium Dioxide Nanoparticles on Porcine Prepubertal Sertoli Cells: An "" Study.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 751915	5.7	1
4	Imbalance in the antioxidant defence system and pro-genotoxic status induced by high glucose concentrations: In vitro testing in human liver cells. <i>Toxicology in Vitro</i> , 2020 , 69, 105001	3.6	1
3	The Effect of Interaction NGF/p75 in Sperm Cells: A Rabbit Model.. <i>Cells</i> , 2022 , 11,	7.9	1
2	Adipose Tissue Plasticity in Response to Pathophysiological Cues: A Connecting Link between Obesity and Its Associated Comorbidities. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5511	6.3	1
1	Natural Cryoprotective and Cytoprotective Agents in Cryopreservation: A Focus on Melatonin. <i>Molecules</i> , 2022 , 27, 3254	4.8	1

