

# Marisa Freitas

## 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.

100  
papers

7,577  
citations

33  
h-index

87  
g-index

115  
ext. papers

13,968  
ext. citations

7.1  
avg, IF

5.3  
L-index

#	Paper	IF	Citations
100	An In Silico and an In Vitro Inhibition Analysis of Glycogen Phosphorylase by Flavonoids, Styrylchromones, and Pyrazoles.. <i>Nutrients</i> , <b>2022</b> , 14,	6.7	1
99	Pro-inflammatory effects of silver nanoparticles in the intestine.. <i>Archives of Toxicology</i> , <b>2022</b> , 1	5.8	0
98	Antioxidant and Pro-oxidant Activities of Carotenoids. <i>Reference Series in Phytochemistry</i> , <b>2022</b> , 123-148	0.7	
97	A combined experimental and computational study to discover novel tyrosinase inhibitors. <i>Journal of Inorganic Biochemistry</i> , <b>2022</b> , 111879	4.2	
96	Modulation of Human Neutrophils Oxidative Burst by Hydroxylated 2-Styrylchromones: The Relevance of the Catechol Group. <i>Biology and Life Sciences Forum</i> , <b>2021</b> , 7, 8		
95	Antioxidant and Pro-oxidant Activities of Carotenoids. <i>Reference Series in Phytochemistry</i> , <b>2021</b> , 1-27	0.7	
94	Impacts of Microcystins on Morphological and Physiological Parameters of Agricultural Plants: A Review. <i>Plants</i> , <b>2021</b> , 10,	4.5	10
93	The Effect of Chalcones on the Main Sources of Reactive Species Production: Possible Therapeutic Implications in Diabetes Mellitus. <i>Current Medicinal Chemistry</i> , <b>2021</b> , 28, 1625-1669	4.3	0
92	Pyrazoles as novel protein tyrosine phosphatase 1B (PTP1B) inhibitors: An in vitro and in silico study. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 1171-1182	7.9	6
91	The scavenging effect of curcumin, piperine and their combination against physiological relevant reactive pro-oxidant species using in vitro non-cellular and cellular models. <i>Chemical Papers</i> , <b>2021</b> , 75, 5269-5277	1.9	2
90	Optimization and Validation of an In Vitro Standardized Glycogen Phosphorylase Activity Assay. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
89	Flavonoids as potential agents in the management of type 2 diabetes through the modulation of Amylase and Glucosidase activity: a review. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-71	11.5	14
88	Inflammatory Pathways and In Vivo Studies of Inflammatory Bowel Disease. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , <b>2021</b> , 1-23	0.2	
87	A comprehensive review on the antidiabetic activity of flavonoids targeting PTP1B and DPP-4: a structure-activity relationship analysis. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-57	11.5	4
86	Nano-based drug delivery systems used as vehicles to enhance polyphenols therapeutic effect for diabetes mellitus treatment. <i>Pharmacological Research</i> , <b>2021</b> , 169, 105604	10.2	5
85	Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2021</b> , 398, 870-905	40	43
84	Insights on the Potential Preventive and Healing Effects of Flavonoids in Inflammatory Bowel Disease. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , <b>2021</b> , 38-66	0.2	

83	Styrylchromones: Biological Activities and Structure-Activity Relationship.. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 2804521	6.7	1
82	Structural Specificity of Flavonoids in the Inhibition of Human Fructose 1,6-Bisphosphatase. <i>Journal of Natural Products</i> , <b>2020</b> , 83, 1541-1552	4.9	8
81	Global, regional, and national burden of chronic kidney disease, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , <b>2020</b> , 395, 709-733	4.0	1021
80	β-Carotene and its physiological metabolites: Effects on oxidative status regulation and genotoxicity in in vitro models. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 141, 111392	4.7	13
79	A Systematic Review on Anti-diabetic Properties of Chalcones. <i>Current Medicinal Chemistry</i> , <b>2020</b> , 27, 2257-2321	4.3	26
78	Global burden of 369 diseases and injuries in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2020</b> , 396, 1204-1222	4.0	1847
77	Global burden of 87 risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2020</b> , 396, 1223-1249	4.0	1013
76	Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950-2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2020</b> , 396, 1160-1203	4.0	228
75	Five insights from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2020</b> , 396, 1135-1159	4.0	113
74	Chalcones as Modulators of Neutrophil Oxidative Burst under Physiological and High Glucose Conditions. <i>Journal of Natural Products</i> , <b>2020</b> , 83, 3131-3140	4.9	2
73	Assessment of HOCl Production in Human blood: Experimental Optimization and Proof of Concept for the Antioxidant Activity of Flavonoids in this Complex Matrix. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 159, S42	7.8	
72	Anti-inflammatory Effects of Persimmon ( L.) in Experimental Rodent Rheumatoid Arthritis. <i>Journal of Dietary Supplements</i> , <b>2020</b> , 17, 663-683	2.3	14
71	Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017: A Systematic Analysis for the Global Burden of Disease Study. <i>JAMA Oncology</i> , <b>2019</b> , 5, 1749-1768	13.4	888
70	Evaluation of a flavonoids library for inhibition of pancreatic α-amylase towards a structure-activity relationship. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2019</b> , 34, 577-588	5.6	53
69	Optimization of Experimental Settings for the Assessment of Reactive Oxygen Species Production by Human Blood. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 7198484	6.7	1
68	A study towards drug discovery for the management of type 2 diabetes mellitus through inhibition of the carbohydrate-hydrolyzing enzymes α-amylase and β-glucosidase by chalcone derivatives. <i>Food and Function</i> , <b>2019</b> , 10, 5510-5520	6.1	20
67	The dipeptidyl peptidase-4 inhibitory effect of flavonoids is hindered in protein rich environments. <i>Food and Function</i> , <b>2019</b> , 10, 5718-5731	6.1	12
66	Analysis of the Use of Cylindrospermopsin and/or Microcystin-Contaminated Water in the Growth, Mineral Content, and Contamination of and. <i>Toxins</i> , <b>2019</b> , 11,	4.9	14

65	Antioxidant and pro-oxidant activities of carotenoids and their oxidation products. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 120, 681-699	4.7	85
64	A comprehensive review on xanthone derivatives as $\beta$ -glucosidase inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 157, 1460-1479	6.8	76
63	Inhibition of protein tyrosine phosphatase 1B by flavonoids: A structure - activity relationship study. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 111, 474-481	4.7	32
62	Flavonoids as Modulators of Neutrophils' Oxidative Burst: Structure-Activity Relationship <b>2018</b> , 261-276		2
61	Calcium Pathways in Human Neutrophils-The Extended Effects of Thapsigargin and ML-9. <i>Cells</i> , <b>2018</b> , 7,	7.9	3
60	Immunomodulatory Effects of Flavonoids in the Prophylaxis and Treatment of Inflammatory Bowel Diseases: A Comprehensive Review. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 3374-3412	4.3	18
59	Quantitative histochemistry for macrophage biodistribution on mice liver and spleen after the administration of a pharmacological-relevant dose of polyacrylic acid-coated iron oxide nanoparticles. <i>Nanotoxicology</i> , <b>2017</b> , 11, 256-266	5.3	13
58	Chlorinated Flavonoids Modulate the Inflammatory Process in Human Blood. <i>Inflammation</i> , <b>2017</b> , 40, 1155-1165	5.1	7
57	$\beta$ -glucosidase inhibition by flavonoids: an in vitro and in silico structure-activity relationship study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 1216-1228	5.6	153
56	Chemical characterization and protective effect of the <i>Bactris setosa</i> Mart. fruit against oxidative/nitrosative stress. <i>Food Chemistry</i> , <b>2017</b> , 220, 427-437	8.5	18
55	Algae Polysaccharides' Chemical Characterization and their Role in the Inflammatory Process. <i>Current Medicinal Chemistry</i> , <b>2017</b> , 24, 149-175	4.3	25
54	Grape polyphenol-rich products with antioxidant and anti-inflammatory properties <b>2016</b> , 389-402		4
53	Protective effects of a blueberry extract in acute inflammation and collagen-induced arthritis in the rat. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 83, 1191-1202	7.5	28
52	New polyhydroxylated flavon-3-ols and 3-hydroxy-2-styrylchromones: synthesis and ROS/RNS scavenging activities. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 119, 250-9	6.8	14
51	Combined dual effect of modulation of human neutrophils' oxidative burst and inhibition of colon cancer cells proliferation by hydroxycinnamic acid derivatives. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 3556-64	3.4	18
50	Size-dependent cytotoxicity of silver nanoparticles in human neutrophils assessed by multiple analytical approaches. <i>Life Sciences</i> , <b>2016</b> , 145, 247-54	6.8	43
49	Uncovering novel 3-hydroxy-4-pyridinone metal ion complexes with potential anti-inflammatory properties. <i>Journal of Inorganic Biochemistry</i> , <b>2016</b> , 155, 9-16	4.2	2
48	Biodistribution of polyacrylic acid-coated iron oxide nanoparticles is associated with proinflammatory activation and liver toxicity. <i>Journal of Applied Toxicology</i> , <b>2016</b> , 36, 1321-31	4.1	20

47	Novel chromone and xanthone derivatives: Synthesis and ROS/RNS scavenging activities. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 115, 381-92	6.8	34
46	Ochratoxin A activates neutrophils and kills these cells through necrosis, an effect eliminated through its conversion into ochratoxin □ <i>Toxicology</i> , <b>2016</b> , 368-369, 91-102	4.4	17
45	Erythropoietin reduces acute lung injury and multiple organ failure/dysfunction associated to a scald-burn inflammatory injury in the rat. <i>Inflammation</i> , <b>2015</b> , 38, 312-26	5.1	26
44	Bioactive compounds and scavenging capacity of extracts from different parts of <i>Vismia cauliflora</i> against reactive oxygen and nitrogen species. <i>Pharmaceutical Biology</i> , <b>2015</b> , 53, 1267-76	3.8	12
43	Stem bark and flower extracts of <i>Vismia cauliflora</i> are highly effective antioxidants to human blood cells by preventing oxidative burst in neutrophils and oxidative damage in erythrocytes. <i>Pharmaceutical Biology</i> , <b>2015</b> , 53, 1691-8	3.8	6
42	Effects of microcystin-LR, cylindrospermopsin and a microcystin-LR/cylindrospermopsin mixture on growth, oxidative stress and mineral content in lettuce plants ( <i>Lactuca sativa</i> L.). <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 116, 59-67	7	55
41	Proinflammatory Pathways: The Modulation by Flavonoids. <i>Medicinal Research Reviews</i> , <b>2015</b> , 35, 877-936	4.4	65
40	Polyacrylic acid-coated and non-coated iron oxide nanoparticles induce cytokine activation in human blood cells through TAK1, p38 MAPK and JNK pro-inflammatory pathways. <i>Archives of Toxicology</i> , <b>2015</b> , 89, 1759-69	5.8	21
39	Anti-inflammatory effect of rosmarinic acid and an extract of <i>Rosmarinus officinalis</i> in rat models of local and systemic inflammation. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2015</b> , 116, 398-413	3.1	135
38	Flavonoids inhibit COX-1 and COX-2 enzymes and cytokine/chemokine production in human whole blood. <i>Inflammation</i> , <b>2015</b> , 38, 858-70	5.1	55
37	Size-dependent cytotoxicity of silver nanoparticles in human neutrophils. <i>Toxicology Letters</i> , <b>2015</b> , 238, S216	4.4	2
36	Inhibition of glycogen synthase kinase-3□ Attenuates organ injury and dysfunction associated with liver ischemia-reperfusion and thermal injury in the rat. <i>Shock</i> , <b>2015</b> , 43, 369-78	3.4	9
35	Protective effects of hydroxytyrosol-supplemented refined olive oil in animal models of acute inflammation and rheumatoid arthritis. <i>Journal of Nutritional Biochemistry</i> , <b>2015</b> , 26, 360-8	6.3	65
34	Iron Oxide Nanoparticles: An Insight into their Biomedical Applications. <i>Current Medicinal Chemistry</i> , <b>2015</b> , 22, 1808 - 28	4.3	18
33	Superoxide Anion Radical: Generation and Detection in Cellular and Non-Cellular Systems. <i>Current Medicinal Chemistry</i> , <b>2015</b> , 22, 4234-56	4.3	20
32	Inhibition of NF-κB activation and cytokines production in THP-1 monocytes by 2-styrylchromones. <i>Medicinal Chemistry</i> , <b>2015</b> , 11, 560-6	1.8	10
31	Inhibition of LOX by flavonoids: a structure-activity relationship study. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 72, 137-45	6.8	66
30	Interaction of polyacrylic acid coated and non-coated iron oxide nanoparticles with human neutrophils. <i>Toxicology Letters</i> , <b>2014</b> , 225, 57-65	4.4	44

29	Carotenoids inhibit lipid peroxidation and hemoglobin oxidation, but not the depletion of glutathione induced by ROS in human erythrocytes. <i>Life Sciences</i> , <b>2014</b> , 99, 52-60	6.8	60
28	Chemical characterization of a red raspberry fruit extract and evaluation of its pharmacological effects in experimental models of acute inflammation and collagen-induced arthritis. <i>Food and Function</i> , <b>2014</b> , 5, 3241-51	6.1	27
27	Synthesis of chlorinated flavonoids with anti-inflammatory and pro-apoptotic activities in human neutrophils. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 86, 153-64	6.8	34
26	Infusion, decoction and hydroalcoholic extracts of leaves from artichoke ( <i>Cynara cardunculus</i> L. subsp. <i>cardunculus</i> ) are effective scavengers of physiologically relevant ROS and RNS. <i>Food Research International</i> , <b>2014</b> , 64, 150-156	7	43
25	Psidium cattleianum fruit extracts are efficient in vitro scavengers of physiologically relevant reactive oxygen and nitrogen species. <i>Food Chemistry</i> , <b>2014</b> , 165, 140-8	8.5	44
24	Carotenoids are effective inhibitors of in vitro hemolysis of human erythrocytes, as determined by a practical and optimized cellular antioxidant assay. <i>Journal of Food Science</i> , <b>2014</b> , 79, H1841-7	3.4	28
23	Anti-inflammatory and pro-apoptotic activities of chlorinated flavonoids in human neutrophils. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S30	7.8	1
22	Vismia cauliflora extracts: bioactive compounds and the in vitro scavenging capacity against reactive oxygen and nitrogen species. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S26	7.8	2
21	Flavonoids inhibit the production of cytokines/chemokines and induce apoptosis in human neutrophils. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 75 Suppl 1, S46	7.8	
20	Modulation of human neutrophils' oxidative burst by flavonoids. <i>European Journal of Medicinal Chemistry</i> , <b>2013</b> , 67, 280-92	6.8	39
19	Nickel induces apoptosis in human neutrophils. <i>BioMetals</i> , <b>2013</b> , 26, 13-21	3.4	25
18	Acetaminophen prevents oxidative burst and delays apoptosis in human neutrophils. <i>Toxicology Letters</i> , <b>2013</b> , 219, 170-7	4.4	14
17	The potential of extracts of <i>Caryocar villosum</i> pulp to scavenge reactive oxygen and nitrogen species. <i>Food Chemistry</i> , <b>2012</b> , 135, 1740-9	8.5	37
16	Trihydroxyflavones with antioxidant and anti-inflammatory efficacy. <i>BioFactors</i> , <b>2012</b> , 38, 378-86	6.1	18
15	Indole based cyclooxygenase inhibitors: synthesis, biological evaluation, docking and NMR screening. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 54, 823-33	6.8	32
14	Valuable Polyphenolic Antioxidants from Wine Vinasses. <i>Food and Bioprocess Technology</i> , <b>2012</b> , 5, 2708-2716	5.7	13
13	Colour score as a guide for estimating the protein value of corn gluten feed. <i>Journal of the Science of Food and Agriculture</i> , <b>2011</b> , 91, 1648-52	4.3	5
12	Zinc, cadmium and nickel increase the activation of NF- $\kappa$ B and the release of cytokines from THP-1 monocytic cells. <i>Metallomics</i> , <b>2011</b> , 3, 1238-43	4.5	56

11	Biological activities of 2-styrylchromones. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2010</b> , 10, 1-7	3.2	33
10	Scavenging of reactive oxygen and nitrogen species by the prodrug sulfasalazine and its metabolites 5-aminosalicylic acid and sulfapyridine. <i>Redox Report</i> , <b>2010</b> , 15, 259-67	5.9	41
9	Nickel induces oxidative burst, NF- $\kappa$ B activation and interleukin-8 production in human neutrophils. <i>Journal of Biological Inorganic Chemistry</i> , <b>2010</b> , 15, 1275-83	3.7	28
8	Zinc activates neutrophils' oxidative burst. <i>BioMetals</i> , <b>2010</b> , 23, 31-41	3.4	16
7	Metal-induced oxidative burst in isolated human neutrophils. <i>Microchemical Journal</i> , <b>2010</b> , 96, 167-171	4.8	4
6	2,3-diaryl-xanthenes as strong scavengers of reactive oxygen and nitrogen species: a structure-activity relationship study. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 6776-84	3.4	22
5	Antioxidant activity of unexplored indole derivatives: synthesis and screening. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 4869-78	6.8	74
4	Optical probes for detection and quantification of neutrophils' oxidative burst. A review. <i>Analytica Chimica Acta</i> , <b>2009</b> , 649, 8-23	6.6	126
3	Synthesis and antioxidant properties of new chromone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 7218-26	3.4	51
2	Optimization of experimental settings for the analysis of human neutrophils oxidative burst in vitro. <i>Talanta</i> , <b>2009</b> , 78, 1476-83	6.2	32
1	Isolation and activation of human neutrophils in vitro. The importance of the anticoagulant used during blood collection. <i>Clinical Biochemistry</i> , <b>2008</b> , 41, 570-5	3.5	84