

# Rafael Calixto Bortolin

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

806  
citations

516215

16  
h-index

525886

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1554  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new animal diet based on human Western diet is a robust diet-induced obesity model: comparison to high-fat and cafeteria diets in term of metabolic and gut microbiota disruption. <i>International Journal of Obesity</i> , 2018, 42, 525-534.	1.6	148
2	Obese rats are more vulnerable to inflammation, genotoxicity and oxidative stress induced by coal dust inhalation than non-obese rats. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 44-51.	2.9	65
3	Exposure to elevated ozone levels differentially affects the antioxidant capacity and the redox homeostasis of two subtropical <i>Phaseolus vulgaris</i> L. varieties. <i>Chemosphere</i> , 2013, 93, 320-330.	4.2	46
4	Targeted inhibition of RAGE in substantia nigra of rats blocks 6-OHDA-induced dopaminergic denervation. <i>Scientific Reports</i> , 2017, 7, 8795.	1.6	40
5	Chronic ozone exposure alters the secondary metabolite profile, antioxidant potential, anti-inflammatory property, and quality of red pepper fruit from <i>Capsicum baccatum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 16-24.	2.9	39
6	Anti-RAGE antibody selectively blocks acute systemic inflammatory responses to LPS in serum, liver, CSF and striatum. <i>Brain, Behavior, and Immunity</i> , 2017, 62, 124-136.	2.0	34
7	Oral administration of curcumin relieves behavioral alterations and oxidative stress in the frontal cortex, hippocampus, and striatum of ovariectomized Wistar rats. <i>Journal of Nutritional Biochemistry</i> , 2016, 32, 181-188.	1.9	29
8	Sperm quality and oxidative status as affected by homogenization of liquid-stored boar semen diluted in short- and long-term extenders. <i>Animal Reproduction Science</i> , 2017, 179, 67-79.	0.5	29
9	Vitamin A Oral Supplementation Induces Oxidative Stress and Suppresses IL-10 and HSP70 in Skeletal Muscle of Trained Rats. <i>Nutrients</i> , 2017, 9, 353.	1.7	29
10	Effects of chronic elevated ozone concentration on the redox state and fruit yield of red pepper plant <i>Capsicum baccatum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2014, 100, 114-121.	2.9	27
11	Changes in Cell Cycle and Up-Regulation of Neuronal Markers During SH-SY5Y Neurodifferentiation by Retinoic Acid are Mediated by Reactive Species Production and Oxidative Stress. <i>Molecular Neurobiology</i> , 2017, 54, 6903-6916.	1.9	26
12	Circulating glycolaldehyde induces oxidative damage in the kidney of rats. <i>Diabetes Research and Clinical Practice</i> , 2010, 89, 262-267.	1.1	24
13	Bioactive Compounds and Stability of Organic and Conventional <i>Vitis labrusca</i> Grape Seed Oils. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2016, 93, 115-124.	0.8	21
14	Systemic Inflammation Changes the Site of RAGE Expression from Endothelial Cells to Neurons in Different Brain Areas. <i>Molecular Neurobiology</i> , 2019, 56, 3079-3089.	1.9	21
15	High fat diet-induced obesity causes a reduction in brain tyrosine hydroxylase levels and non-motor features in rats through metabolic dysfunction, neuroinflammation and oxidative stress. <i>Nutritional Neuroscience</i> , 2022, 25, 1026-1040.	1.5	21
16	Glycolaldehyde Induces Oxidative Stress in the Heart: A Clue to Diabetic Cardiomyopathy?. <i>Cardiovascular Toxicology</i> , 2010, 10, 244-249.	1.1	17
17	Preventive supplementation with fresh and preserved peach attenuates CCl4-induced oxidative stress, inflammation and tissue damage. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 1282-1295.	1.9	17
18	Effects of Freeze-Thaw and Storage on Enzymatic Activities, Protein Oxidative Damage, and Immunocontent of the Blood, Liver, and Brain of Rats. <i>Biopreservation and Biobanking</i> , 2017, 15, 182-190.	0.5	15

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19	TRF1 as a major contributor for telomeres' shortening in the context of obesity. <i>Free Radical Biology and Medicine</i> , 2018, 129, 286-295.	1.3	15
20	Effects of different products of peach ( <i>Prunus persica</i> L. Batsch) from a variety developed in southern Brazil on oxidative stress and inflammatory parameters in vitro and ex vivo. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 55, 110-119.	0.6	14
21	Increased tau phosphorylation and receptor for advanced glycation endproducts (RAGE) in the brain of mice infected with <i>Leishmania amazonensis</i> . <i>Brain, Behavior, and Immunity</i> , 2015, 43, 37-45.	2.0	14
22	Supplementation with vitamin A enhances oxidative stress in the lungs of rats submitted to aerobic exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 1253-1261.	0.9	13
23	Oral administration of carvacrol/ $\beta$ -cyclodextrin complex protects against 6-hydroxydopamine-induced dopaminergic denervation. <i>Neurochemistry International</i> , 2019, 126, 27-35.	1.9	13
24	Guarana supplementation attenuated obesity, insulin resistance, and adipokines dysregulation induced by a standardized human Western diet via brown adipose tissue activation. <i>Phytotherapy Research</i> , 2019, 33, 1394-1403.	2.8	13
25	Curcumin Supplementation Decreases Intestinal Adiposity Accumulation, Serum Cholesterol Alterations, and Oxidative Stress in Ovariectomized Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	12
26	The effects of retinol oral supplementation in 6-hydroxydopamine dopaminergic denervation model in Wistar rats. <i>Neurochemistry International</i> , 2019, 125, 25-34.	1.9	11
27	Role of vitamin A oral supplementation on oxidative stress and inflammatory response in the liver of trained rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 1192-1200.	0.9	10
28	Supplementation with <i>Achyrocline satureioides</i> Inflorescence Extracts to Pregnant and Breastfeeding Rats Induces Tissue-Specific Changes in Enzymatic Activity and Lower Neonatal Survival. <i>Biomedicines</i> , 2017, 5, 53.	1.4	10
29	Oxidative Damage in the Liver of Rats Treated With Glycolaldehyde. <i>International Journal of Toxicology</i> , 2011, 30, 253-258.	0.6	9
30	N-acetyl-cysteine inhibits liver oxidative stress markers in BALB/c mice infected with <i>Leishmania amazonensis</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , 2017, 112, 146-154.	0.8	9
31	Redox-Active Profile Characterization of <i>Remirea maritima</i> Extracts and Its Cytotoxic Effect in Mouse Fibroblasts (L929) and Melanoma (B16F10) Cells. <i>Molecules</i> , 2015, 20, 11699-11718.	1.7	8
32	Effects of the consumption of polyunsaturated fatty acids on the oxidative status of adult dogs. <i>Journal of Animal Science</i> , 2018, 96, 4590-4598.	0.2	7