Mariza Pires De Melo

List of Publications by Year
in descending order

50 papers	1,464 citations	393982 19 h-index	329751 37 g-index
50 all docs	50 docs citations	50 times ranked	2103 citing authors

#	Article	IF	Citations
1	Glutamine metabolism by lymphocytes, macrophages, and neutrophils: its importance in health and disease11This review is written to mark the retirement of Prof. Eric A. Newsholme, University of Oxford, United Kingdom, and to acknowledge his contribution to the field of immune cell metabolism.. Journal of Nutritional Biochemistry, 1999, 10, 316-324.	1.9	150
2	Evaluation of antioxidant capacity of 13 plant extracts by three different methods: cluster analyses applied for selection of the natural extracts with higher antioxidant capacity to replace synthetic antioxidant in lamb burgers. Journal of Food Science and Technology, 2016, 53, 451-460.	1.4	148
3	Assessment of the stability of sheep sausages with the addition of different concentrations of Origanum vulgare extract during storage. Meat Science, 2018, 137, 244-257.	2.7	107
4	The mechanism of indole acetic acid cytotoxicity. Toxicology Letters, 2004, 148, 103-111.	0.4	96
5	Evaluation of oxidative stability of lamb burger with Origanum vulgare extract. Food Chemistry, 2017, 233, 101-109.	4.2	89
6	Pressurized liquid extraction of flavanols and alkaloids from cocoa bean shell using ethanol as solvent. Food Research International, 2018, 114, 20-29.	2.9	83
7	Glucose and glutamine utilization by rat lymphocytes, monocytes and neutrophils in culture: a comparative study. Cell Biochemistry and Function, 2004, 22, 321-326.	1.4	76
8	Effects of oregano extract on oxidative, microbiological and sensory stability of sheep burgers packed in modified atmosphere. Food Control, 2016, 63, 65-75.	2.8	74
9	InÂvitro antioxidant activity ofÂolive leaf extract (Olea europaea L.) and its protective effect on oxidative damage in human erythrocytes. Heliyon, 2018, 4, e00805.	1.4	68
10	Effects of Copper and Selenium Supplementation on Performance and Lipid Metabolism in Confined Brangus Bulls. Asian-Australasian Journal of Animal Sciences, 2014, 27, 488-494.	2.4	46
11	Horseradish peroxidase-catalyzed aerobic oxidation and peroxidation of indole-3-acetic acid. Archives of Biochemistry and Biophysics, 1992, 296, 27-33.	1.4	45
12	Effect of Indole Acetic Acid on Oxygen Metabolism in Cultured Rat Neutrophil. General Pharmacology, 1998, 31, 573-578.	0.7	40
13	Influence of peanut skin extract on shelf-life of sheep patties. Asian Pacific Journal of Tropical Biomedicine, 2016, 6, 586-596.	0.5	36
14	Dietary lycopene supplementation on Nile Tilapia (Oreochromis niloticus) juveniles submitted to confinement: effects on cortisol level and antioxidant response. Aquaculture Research, 2012, 43, 789-798.	0.9	28
15	Horseradish peroxidase-catalyzed aerobic oxidation of indole-3-acetic acid. Archives of Biochemistry and Biophysics, 1992, 296, 34-39.	1.4	26
16	Peroxidase Activity May Play a Role in the Cytotoxic Effect of Indole Acetic Acid*. Photochemistry and Photobiology, 1997, 65, 338-341.	1.3	26
17	Percentage of phagocytosis, production of O2Â·â^', H2O2 and NO, and antioxidant enzyme activities of rat neutrophils in culture. , 1998, 16, 43-49.		26
18	Antioxidant and anti-inflammatory properties of orally disintegrating films based on starch and hydroxypropyl methylcellulose incorporated with Cordia verbenacea (erva baleeira) extract. International Journal of Biological Macromolecules, 2020, 159, 714-724.	3.6	26

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19	Elaboration of functional snack foods using raw materials rich in carotenoids and dietary fiber: effects of extrusion processing. CYTA - Journal of Food, 2015, 13, 69-79.	0.9	23
20	Effect of supplementation of two sources and two levels of copper on lipid metabolism in Nellore beef cattle. Meat Science, 2012, 91, 466-471.	2.7	21
21	Comparative effects of fish oil given by gavage and fish oil-enriched diet on leukocytes. Life Sciences, 2001, 69, 1739-1751.	2.0	20
22	Influence of indole acetic acid on antioxidant levels and enzyme activities of glucose metabolism in rat liver. Cell Biochemistry and Function, 2007, 25, 195-201.	1.4	16
23	Protective action of indoleâ€3â€acetic acid on induced hepatocarcinoma in mice. Cell Biochemistry and Function, 2009, 27, 16-22.	1.4	16
24	Effect of indole acetic acid administration on the neutrophil functions and oxidative stress from neutrophil, mesenteric lymph node and liver. Life Sciences, 2006, 78, 564-570.	2.0	15
25	Rosemary and Pitanga Aqueous Leaf Extracts On Beef Patties Stability under Cold Storage. Brazilian Archives of Biology and Technology, 2016, 59, .	0.5	15
26	Indole-3-acetic acid increases glutamine utilization by high peroxidase activity-presenting leukocytes. Life Sciences, 2004, 75, 1713-1725.	2.0	13
27	Effect of Exposure to Pulsed Magnetic Field on Microbiological Quality, Color and Oxidative Stability of Fresh Ground Beef. Journal of Food Process Engineering, 2017, 40, e12405.	1.5	13
28	Effect of indole-3-acetic acid administration by gavage and by subcutaneous injection on rat leukocytes. Cell Biochemistry and Function, 2007, 25, 723-730.	1.4	12
29	Natural Antioxidants and Food Applications: Healthy Perspectives. , 2018, , 31-64.		12
30	Evaluation of the antimicrobial activity and cytotoxic effect of hydroxyapatite containing Brazilian propolis. Biomedical Materials (Bristol), 2018, 13, 025010.	1.7	11
31	Fish Oil Given by Gavage Increases Lymphocyte Proliferation and Production of Hydrogen Peroxide by Rat Macrophages. General Pharmacology, 1998, 31, 37-41.	0.7	10
32	Effects of adrenaline on glucose and glutamine metabolism and superoxide production by rat neutrophils. Clinical Science, 1999, 96, 549.	1.8	9
33	Perfil de Ã¡cidos graxos e estabilidade oxidativa do leite de vacas holandesas alimentadas com soja extrusada e selÃªnio orgÃ¢nico. Pesquisa Agropecuaria Brasileira, 2007, 42, 1793-1799.	0.9	7
34	Microbicidal Action of Indole-3-Acetic Acid Combined with Horseradish Peroxidase on ProtothecaÂzopfii from Bovine Mastitis. Mycopathologia, 2010, 169, 99-105.	1.3	7
35	Changes on meat fatty acid profile, cholesterol and hepatic metabolism associated with antioxidants and canola oil supplementation for Nellore cattle. Livestock Science, 2022, 257, 104850.	0.6	7
36	Effect of Cysticercus cellulosae on neutrophil function and death. Veterinary Parasitology, 2005, 127, 121-129.	0.7	6

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37	Copper and selenium supplementation in the diet of Brangus steers on the nutritional characteristics of meat. Revista Brasileira De Zootecnia, 2013, 42, 70-75.	0.3	6
38	Noninvasive method to assess the electrical brain activity from rats. Ciencia Rural, 2013, 43, 1838-1842.	0.3	6
39	Effect of Prototheca zopfii on neutrophil function from bovine milk. Mycopathologia, 2006, 162, 421-426.	1.3	5
40	Antioxidant actions of olive leaf extract (Olea europaea L.) on reactive species scavengers. Journal of Analytical & Pharmaceutical Research, 2020, 9, 68-71.	0.3	4
41	Atividade da catalase e da lactato desidrogenase em tilÃ¡pias submetidas a estresse de confinamento: efeito da cor do ambiente. Ciencia Rural, 2012, 42, 894-899.	0.3	4
42	CHEMIEXCITATION IN THE PEROXIDATIVE METABOLISM OF N-METHYLCARBAZOLE: MECHANISTIC IMPLICATIONS. Photochemistry and Photobiology, 1994, 59, 677-682.	1.3	3
43	Metabolite of tryptophan promoting changes in EEG signal and the oxidative status of the brain. Cell Biochemistry and Function, 2014, 32, 496-501.	1.4	3
44	CHEMIEXCITATION IN THE PEROXIDATIVE METABOLISM OF N- METHYLCARBAZOLE: MECHANISTIC IMPLICATIONS. Photochemistry and Photobiology, 1994, 59, 677-682.	1.3	2
45	Evaluation of liquid and powdered forms of polyclonal antibody preparation against Streptococcus bovis and Fusobacterium necrophorum in cattle adapted or not adapted to highly fermentable carbohydrate diets. Animal Bioscience, 2021, 34, 74-84.	0.8	2
46	Physiological stress and meat quality of pacu (Piaractus mesopotamicus) submitted to CO 2 narcosis, hypothermia and electrical stunning. Aquaculture Research, 2021, 52, 5034-5043.	0.9	2
47	Long-Term Operation of an ASBBR Used to Treat Dairy Effluent: Effect of the Recirculation Rate on System Monitoring, Kinetics, and Key Microorganisms. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	1
48	Induction of Oxidative Stress in Prototheca zopfii by Indole-3-Acetic Acid/HRP or 2,4-Pentanedione/HRP Systems and Their Oxidation Products. Mycopathologia, 2015, 179, 73-79.	1.3	1
49	Oil blends with sesame oil in fish diets: oxidative stress status and fatty acid profiles of lambari. Revista Brasileira De Zootecnia, 0, 48, .	0.3	1
50	Copper and zinc hydroxychloride cosupplementation improve growth performance and carcass and reduce diarrhea frequency in grower-finisher pigs. Translational Animal Science, 2021, 5, txab202.	0.4	1