

# Denise Grotto

## List of Publications by Year in descending order

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92  
papers

2,787  
citations

185998

28  
h-index

189595

50  
g-index

97  
all docs

97  
docs citations

97  
times ranked

4566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial nanocellulose production and application: a 10-year overview. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2063-2072.	1.7	317
2	Importance of the lipid peroxidation biomarkers and methodological aspects FOR malondialdehyde quantification. <i>Quimica Nova</i> , 2009, 32, 169-174.	0.3	279
3	Rapid quantification of malondialdehyde in plasma by high performance liquid chromatographyâ€“visible detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 619-624.	1.4	276
4	Mercury exposure and oxidative stress in communities of the Brazilian Amazon. <i>Science of the Total Environment</i> , 2010, 408, 806-811.	3.9	108
5	Determination of trace elements in biological samples by inductively coupled plasma mass spectrometry with tetramethylammonium hydroxide solubilization at room temperature. <i>Analytica Chimica Acta</i> , 2009, 646, 23-29.	2.6	86
6	Antioxidant properties of Krebs cycle intermediates against malonate pro-oxidant activity in vitro: A comparative study using the colorimetric method and HPLC analysis to determine malondialdehyde in rat brain homogenates. <i>Life Sciences</i> , 2007, 81, 51-62.	2.0	77
7	Low levels of methylmercury induce DNA damage in rats: protective effects of selenium. <i>Archives of Toxicology</i> , 2009, 83, 249-254.	1.9	68
8	Protective properties of quercetin against DNA damage and oxidative stress induced by methylmercury in rats. <i>Archives of Toxicology</i> , 2011, 85, 1151-1157.	1.9	68
9	Arsenic, cadmium, and mercury-induced hypertension: mechanisms and epidemiological findings. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2018, 21, 61-82.	2.9	68
10	Low level and sub-chronic exposure to methylmercury induces hypertension in rats: nitric oxide depletion and oxidative damage as possible mechanisms. <i>Archives of Toxicology</i> , 2009, 83, 653-662.	1.9	64
11	Bacterial Nanocellulose Loaded with Bromelain: Assessment of Antimicrobial, Antioxidant and Physical-Chemical Properties. <i>Scientific Reports</i> , 2017, 7, 18031.	1.6	61
12	Polymorphisms in glutathione-related genes modify mercury concentrations and antioxidant status in subjects environmentally exposed to methylmercury. <i>Science of the Total Environment</i> , 2013, 463-464, 319-325.	3.9	59
13	Blood thioredoxin reductase activity, oxidative stress and hematological parameters in painters and battery workers: relationship with lead and cadmium levels in blood. <i>Journal of Applied Toxicology</i> , 2013, 33, 142-150.	1.4	48
14	Lutein improves antioxidant defense in vivo and protects against DNA damage and chromosome instability induced by cisplatin. <i>Archives of Toxicology</i> , 2010, 84, 811-822.	1.9	46
15	Effects of methylmercury on male reproductive functions in Wistar rats. <i>Reproductive Toxicology</i> , 2011, 31, 431-439.	1.3	46
16	Inorganic and Methylmercury Levels in Plasma are Differentially Associated with Age, Gender, and Oxidative Stress Markers in a Population Exposed to Mercury Through Fish Consumption. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 69-79.	1.1	46
17	Quercetin protects human-derived liver cells against mercury-induced DNA-damage and alterations of the redox status. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 726, 109-115.	0.9	45
18	Evaluation of Antigenotoxic Effects of Plant Flavonoids Quercetin and Rutin on <sc>HepG2</sc> Cells. <i>Phytotherapy Research</i> , 2011, 25, 1381-1388.	2.8	43

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19	Evaluation of protective effects of fish oil against oxidative damage in rats exposed to methylmercury. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 487-493.	2.9	42
20	Association of Silver Nanoparticles and Curcumin Solid Dispersion: Antimicrobial and Antioxidant Properties. <i>AAPS PharmSciTech</i> , 2018, 19, 225-231.	1.5	38
21	The influence of the hemodialysis treatment time under oxidative stress biomarkers in chronic renal failure patients. <i>Biomedicine and Pharmacotherapy</i> , 2008, 62, 378-382.	2.5	37
22	Biosorption of pharmaceutical products by mushroom stem waste. <i>Chemosphere</i> , 2019, 237, 124515.	4.2	37
23	Quantification of reduced glutathione by HPLC-UV in erythrocytes of hemodialysis patients. <i>Biomedical Chromatography</i> , 2008, 22, 460-468.	0.8	35
24	Bacterial nanocellulose membranes combined with nisin: a strategy to prevent microbial growth. <i>Cellulose</i> , 2018, 25, 6681-6689.	2.4	35
25	Effects of genetic polymorphisms on antioxidant status and concentrations of the metals in the blood of riverside Amazonian communities co-exposed to Hg and Pb. <i>Environmental Research</i> , 2015, 138, 224-232.	3.7	34
26	A systematic study of the disposition and metabolism of mercury species in mice after exposure to low levels of thimerosal (ethylmercury). <i>Environmental Research</i> , 2014, 134, 218-227.	3.7	33
27	Protective Effects of the Flavonoid Chrysin against Methylmercury-Induced Genotoxicity and Alterations of Antioxidant Status, <i>In Vivo</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-7.	1.9	32
28	Human erythrocyte $\gamma$ -aminolevulinatase activity and oxidative stress in hemodialysis patients. <i>Clinical Biochemistry</i> , 2007, 40, 591-594.	0.8	31
29	Background Values for Essential and Toxic Elements in Children's Nails and Correlation with Hair Levels. <i>Biological Trace Element Research</i> , 2011, 144, 339-350.	1.9	30
30	Evaluation of the Concentration of Nonessential and Essential Elements in Chicken, Pork, and Beef Samples Produced in Brazil. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 1269-1279.	1.1	29
31	Evaluation of toxic effects of a diet containing fish contaminated with methylmercury in rats mimicking the exposure in the Amazon riverside population. <i>Environmental Research</i> , 2011, 111, 1074-1082.	3.7	25
32	An evaluation, using the comet assay and the micronucleus test, of the antigenotoxic effects of chlorophyll b in mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 725, 50-56.	0.9	25
33	Evaluation of lipid damage related to pathological and physiological conditions. <i>Drug and Chemical Toxicology</i> , 2013, 36, 306-312.	1.2	25
34	Evaluation of Glutathione S-transferase GSTM1 and GSTT1 Polymorphisms and Methylmercury Metabolism in an Exposed Amazon Population. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 960-970.	1.1	24
35	Long-Term Excessive Selenium Supplementation Induces Hypertension in Rats. <i>Biological Trace Element Research</i> , 2018, 182, 70-77.	1.9	24
36	Bixin and norbixin protect against DNA damage and alterations of redox status induced by methylmercury exposure in vivo. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 535-541.	0.9	23

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37	Clinical comparison of salicylic acid peel and LED-Laser phototherapy for the treatment of <i>Acne vulgaris</i> in teenagers. <i>Journal of Cosmetic and Laser Therapy</i> , 2017, 19, 49-53.	0.3	21
38	Essential and Nonessential Element Translocation in Corn Cultivated Under Sewage Sludge Application and Associated Health Risk. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	17
39	Protective effects of niacin against methylmercury-induced genotoxicity and alterations in antioxidant status in rats. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 174-183.	1.1	17
40	Biomimetic dense lamellar scaffold based on a colloidal complex of the polyaniline (PANi) and biopolymers for electroactive and physiomechanical stimulation of the myocardial. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123650.	2.3	16
41	Butyrylcholinesterase activity is reduced in haemodialysis patients: Is there association with hyperhomocysteinemia and/or oxidative stress?. <i>Clinical Biochemistry</i> , 2008, 41, 474-479.	0.8	15
42	Association among Microalbuminuria and Oxidative Stress Biomarkers in Patients with Type 2 Diabetes. <i>Journal of Investigative Medicine</i> , 2011, 59, 649-654.	0.7	15
43	Determination of 17 $\beta$ -ethinylestradiol and toxic metals in surface waters, and estimation of daily intake. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 21.	1.3	15
44	Adaptive epigenetic response of glutathione (GSH)-related genes against lead (Pb)-induced toxicity, in individuals chronically exposed to the metal. <i>Chemosphere</i> , 2021, 269, 128758.	4.2	15
45	Phytoremediation Potential of <i>Manihot Cubiu</i> ( <i>Solanum sessiliflorum</i> Dunal) for the Deleterious Effects of Methylmercury on the Reproductive System of Rats. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	14
46	Fisiopatologia da deficiência de vitamina B12 e seu diagnóstico laboratorial. <i>Jornal Brasileiro De Patologia E Medicina Laboratorial</i> , 2005, 41, 323.	0.3	13
47	Aspectos gerais e diagnóstico clínicolaboratorial da intoxicação por paraquat. <i>Jornal Brasileiro De Patologia E Medicina Laboratorial</i> , 2006, 42, 235-243.	0.3	13
48	Assessment of the Safety of the Shiitake Culinary-Medicinal Mushroom, <i>Lentinus edodes</i> (Agaricomycetes), in Rats: Biochemical, Hematological, and Antioxidative Parameters. <i>International Journal of Medicinal Mushrooms</i> , 2016, 18, 861-870.	0.9	13
49	Effects of <i>Lentinula edodes</i> consumption on biochemical, hematologic and oxidative stress parameters in rats receiving high-fat diet. <i>European Journal of Nutrition</i> , 2017, 56, 2255-2264.	1.8	13
50	Polymorphisms of genes related to metabolism of lead (Pb) are associated with the metal body burden and with biomarkers of oxidative stress. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 836, 42-46.	0.9	13
51	<i>Lentinus edodes</i> Exposure before and after Fetus Implantation: Materno-Fetal Development in Rats with Gestational Diabetes Mellitus. <i>Nutrients</i> , 2019, 11, 2720.	1.7	13
52	<i>Lentinula edodes</i> mushroom as an ingredient to enhance the nutritional and functional properties of cereal bars. <i>Journal of Food Science and Technology</i> , 2021, 58, 1349-1357.	1.4	13
53	Niacin prevents mitochondrial oxidative stress caused by sub-chronic exposure to methylmercury. <i>Drug and Chemical Toxicology</i> , 2020, 43, 64-70.	1.2	12
54	Comparative Study on Lead and Copper Biosorption Using Three Bioproducts from Edible Mushrooms Residues. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 441.	1.5	12

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55	Biochar from fungiculture waste for adsorption of endocrine disruptors in water. <i>Scientific Reports</i> , 2022, 12, 6507.	1.6	12
56	Evaluation of biochemical and redox parameters in rats fed with corn grown in soil amended with urban sewage sludge. <i>Ecotoxicology and Environmental Safety</i> , 2013, 95, 188-194.	2.9	11
57	Distribution of arsenic and oxidative stress in mice after rice ingestion. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 44, 192-200.	1.5	11
58	Formulation and evaluation of thermoresponsive polymeric blend as a vaginal controlled delivery system. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 536-552.	1.1	10
59	Safety and efficacy of hydroxyapatite scaffold in the prevention of jaw osteonecrosis <i>in vivo</i> . <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1799-1808.	1.6	10
60	Avaliação da estabilidade do marcador plasmático do estresse oxidativo: malondialdeído. <i>Quimica Nova</i> , 2008, 31, 275-279.	0.3	9
61	Evaluation by ICP-MS of Essential, Nonessential and Toxic Elements in Brazilian Fish and Seafood Samples. <i>Food and Nutrition Sciences (Print)</i> , 2012, 03, 1252-1260.	0.2	9
62	Subacute Chronic Exposure to Methylmercury at Low Levels Decreases Butyrylcholinesterase Activity in Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010, 106, 95-99.	1.2	8
63	GLP-1 and GIP receptor agonists in the treatment of Parkinson's disease: Translational systematic review and meta-analysis protocol of clinical and preclinical studies. <i>PLoS ONE</i> , 2021, 16, e0255726.	1.1	8
64	Effects of Shiitake Culinary-Medicinal Mushroom, <i>Lentinus edodes</i> (Agaricomycetes), Bars on Lipid and Antioxidant Profiles in Individuals with Borderline High Cholesterol: A Double-Blind Randomized Clinical Trial. <i>International Journal of Medicinal Mushrooms</i> , 2021, 23, 1-12.	0.9	7
65	Characterization of the Effects of the Shiitake Culinary-Medicinal Mushroom, <i>Lentinus edodes</i> (Agaricomycetes), on Severe Gestational Diabetes Mellitus in Rats. <i>International Journal of Medicinal Mushrooms</i> , 2017, 19, 991-1000.	0.9	7
66	<i>Ganoderma lucidum</i> Modulates Glucose, Lipid Peroxidation and Hepatic Metabolism in Streptozotocin-Induced Diabetic Pregnant Rats. <i>Antioxidants</i> , 2022, 11, 1035.	2.2	6
67	Deficiency of macro- and micronutrients induced by <i>Lentinula edodes</i> . <i>Toxicology Reports</i> , 2015, 2, 401-404.	1.6	5
68	Effect of mushrooms on obesity in animal models: study protocol for a systematic review and meta-analysis. <i>Systematic Reviews</i> , 2019, 8, 288.	2.5	5
69	Quantificação laboratorial de cobre sérico por espectrofotometria Vis comparável à espectrometria de absorção atômica com chama. <i>Jornal Brasileiro De Patologia E Medicina Laboratorial</i> , 2007, 43, 251-256.	0.3	4
70	Effect of <i>Libidibia ferrea</i> bark and seed in maternal reproductive and biochemical outcomes and fetal anomaly in rats. <i>Birth Defects Research</i> , 2019, 111, 863-871.	0.8	4
71	Evaluation of the 17- $\beta$ -Ethinyl Estradiol Sorption Capacity in Soil. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	4
72	Acute kidney injury caused by the intraperitoneal injection of <i>Bothrops jararaca</i> venom in rats. <i>Natural Product Research</i> , 2020, 34, 2533-2538.	1.0	4

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73	Evaluation of Bacterial Nanocellulose Membranes Loaded or Not with Nisin as a Complementary Treatment in Surgical Dehorning Wounds in Bovines. <i>Pharmaceutics</i> , 2021, 13, 688.	2.0	4
74	Are Silver Nanoparticles Useful for Treating Second-Degree Burns? An Experimental Study in Rats. <i>Advanced Pharmaceutical Bulletin</i> , 2021, 11, 130-136.	0.6	4
75	Alterations in the reproductive performance of the female rats and fetotoxicity of <i>Lentinula edodes</i> (Shiitake). <i>Reproductive Toxicology</i> , 2014, 48, 25.	1.3	3
76	Dense lamellar scaffold, biomimetically inspired, for reverse cardiac remodeling: Effect of proanthocyanidins and glutaraldehyde. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 248-261.	1.3	3
77	ARSENIC AND RICE: TOXICITY, METABOLISM, AND FOOD SAFETY. <i>Quimica Nova</i> , 2014, , .	0.3	3
78	Effects of a collagen hyaluronic acid silk fibroin patch with the electroconductive element polyaniline on left ventricular remodeling in an infarct heart model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 1651-1666.	1.6	3
79	High performance liquid chromatography applied in hormone contaminations detection: A scoping review in ecotoxicology. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 377-383.	0.5	2
80	Experimental model for removal of snake venom via hemoperfusion in rats. <i>Journal of Veterinary Emergency and Critical Care</i> , 2020, 30, 286-294.	0.4	2
81	<i>Libidibia ferrea</i> loaded in bacterial nanocellulose: evaluation of antimicrobial activity and wound care. <i>Brazilian Journal of Development</i> , 2020, 6, 6212-6226.	0.0	1
82	Safety Assessment of the Royal Sun Mushroom, <i>Agaricus brasiliensis</i> (Higher Basidiomycetes) Intake during Rat Pregnancy. <i>International Journal of Medicinal Mushrooms</i> , 2014, 16, 519-528.	0.9	1
83	Efeito protetivo de formulação de cristal líquido liotrópico na oxidação do chá verde. <i>Brazilian Journal of Development</i> , 2020, 6, 14529-14538.	0.0	1
84	Plants from Brazil Used Against Snake Bites. , 2020, , 138-167.		1
85	Antimicrobial approaches against bacterial pathogens which cause lower respiratory system infections. , 2016, , 211-222.		0
86	Evaluation of the reproductive capacity of diabetic pregnancy on rats treated with medicinal mushrooms. <i>Reproductive Toxicology</i> , 2017, 72, 29-30.	1.3	0
87	Laboratory animal welfare:. <i>Brazilian Journal of Veterinary Research and Animal Science</i> , 2018, 55, e145008.	0.2	0
88	Effects of lead poisoning in children- A narrative review. <i>Research, Society and Development</i> , 2021, 10, e37410716616.	0.0	0
89	[ID 56084] EFEITOS DOS COGUMELOS <i>AGARICUS BLAZEI</i> E <i>GANODERMA LUCIDUM</i> SOBRE O DESENVOLVIMENTO EMBRIONÁRIO E GESTACIONAL DE RATAS WISTAR. <i>Revista Brasileira De Ciências Da Saúde</i> , 2021, 25, .	0.1	0
90	Royal Sun Culinary-Medicinal Mushroom <i>Agaricus brasiliensis</i> (Agaricomycetes) as a Functional Food in Gestational Diabetes Mellitus Before and After Fetus Implantation. <i>International Journal of Medicinal Mushrooms</i> , 2021, 23, 15-27.	0.9	0

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91	Shiitake Culinary-Medicinal Mushroom, <i>Lentinus edodes</i> (Agaricomycetes): Absence of Changes in Maternal Reproductive Performance and Embryofetal Development In Vivo. <i>International Journal of Medicinal Mushrooms</i> , 2020, 22, 781-791.	0.9	0
92	Bacterial nanocellulose and fibroin: natural products to produce a structure membranes. <i>Revista Materia</i> , 2021, 26, .	0.1	0