

# Fabiane Goldschmidt Antes

## List of Publications by Year in descending order

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46  
papers

1,414  
citations

304743

22  
h-index

330143

37  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1595  
citing authors

#	ARTICLE	IF	CITATIONS
1	N-acetylcysteine prevents memory deficits, the decrease in acetylcholinesterase activity and oxidative stress in rats exposed to cadmium. <i>Chemico-Biological Interactions</i> , 2010, 186, 53-60.	4.0	136
2	Determination of metals and metalloids in light and heavy crude oil by ICP-MS after digestion by microwave-induced combustion. <i>Microchemical Journal</i> , 2010, 96, 4-11.	4.5	126
3	Cadmium and mineral nutrient accumulation in potato plantlets grown under cadmium stress in two different experimental culture conditions. <i>Plant Physiology and Biochemistry</i> , 2009, 47, 814-821.	5.8	104
4	Effect of ultrasonic frequency on separation of water from heavy crude oil emulsion using ultrasonic baths. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 541-546.	8.2	74
5	Feasibility of low frequency ultrasound for water removal from crude oil emulsions. <i>Ultrasonics Sonochemistry</i> , 2015, 25, 70-75.	8.2	70
6	Effects of lead on the growth, lead accumulation and physiological responses of <i>Pluchea sagittalis</i> . <i>Ecotoxicology</i> , 2012, 21, 111-123.	2.4	63
7	Determination of toxic elements in coal by ICP-MS after digestion using microwave-induced combustion. <i>Talanta</i> , 2010, 83, 364-369.	5.5	60
8	As, Hg, I, Sb, Se and Sn speciation in body fluids and biological tissues using hyphenated-ICP-MS techniques: A review. <i>International Journal of Mass Spectrometry</i> , 2011, 307, 149-162.	1.5	56
9	Microwave-induced combustion of carbon nanotubes for further halogen determination. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1268.	3.0	49
10	Determination of Bromide, Chloride, and Fluoride in Cigarette Tobacco by Ion Chromatography after Microwave-Induced Combustion. <i>Analytical Letters</i> , 2012, 45, 1004-1015.	1.8	40
11	Organic carbon bioavailability: Is it a good driver to choose the best biological nitrogen removal process?. <i>Science of the Total Environment</i> , 2021, 786, 147390.	8.0	37
12	Organic, inorganic and total mercury determination in fish by chemical vapor generation with collection on a gold gauze and electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 513-519.	2.9	36
13	Determination of toxic elements in tricyclic active pharmaceutical ingredients by ICP-MS: a critical study of digestion methods. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 352.	3.0	34
14	Speciation and Degradation of Triphenyltin in Typical Paddy Fields and Its Uptake into Rice Plants. <i>Environmental Science &amp; Technology</i> , 2011, 45, 10524-10530.	10.0	33
15	Determination of bromine, fluorine and iodine in mineral supplements using pyrohydrolysis for sample preparation. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 488-495.	0.6	33
16	Heavy crude oil sample preparation by pyrohydrolysis for further chlorine determination. <i>Analytical Methods</i> , 2011, 3, 288-293.	2.7	29
17	Pyrohydrolysis of carbon nanotubes for Br and I determination by ICP-MS. <i>Microchemical Journal</i> , 2012, 101, 54-58.	4.5	29
18	Process performance and anammox community diversity in a deammonification reactor under progressive nitrogen loading rates for swine wastewater treatment. <i>Bioresource Technology</i> , 2020, 311, 123521.	9.6	29

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19	Evaluation of deammonification reactor performance and microorganisms community during treatment of digestate from swine sludge CSTR bioreactor. <i>Journal of Environmental Management</i> , 2019, 246, 19-26.	7.8	26
20	Integration of swine manure anaerobic digestion and digestate nutrients removal/recovery under a circular economy concept. <i>Journal of Environmental Management</i> , 2022, 301, 113825.	7.8	26
21	Microwave-Assisted Procedure for Salinity Evaluation of Heavy Crude Oil Emulsions. <i>Energy &amp; Fuels</i> , 2010, 24, 2227-2232.	5.1	25
22	Preparo de amostras de combustíveis sólidos por pirólise para a determinação de flúor e cloro. <i>Química Nova</i> , 2010, 33, 1130-1134.	0.3	24
23	Antioxidant system activation by mercury in <i>Pfaffia glomerata</i> plantlets. <i>BioMetals</i> , 2010, 23, 295-305.	4.1	23
24	Total Mercury, Inorganic Mercury and Methyl Mercury Determination in Red Wine. <i>Food Analytical Methods</i> , 2012, 5, 505-511.	2.6	20
25	Separation of Heavy Crude Oil Emulsions Using Microwave Radiation for Further Crude Oil Analysis. <i>Separation Science and Technology</i> , 2011, 46, 1358-1364.	2.5	19
26	Phycoremediation and biomass production from high strength swine wastewater for biogas generation improvement: An integrated bioprocess. <i>Bioresource Technology</i> , 2021, 332, 125111.	9.6	19
27	Development of a vaporization system for direct determination of chlorine in petroleum coke by ICP-MS. <i>Microchemical Journal</i> , 2013, 109, 117-121.	4.5	18
28	Zinc alleviates mercury-induced oxidative stress in <i>Pfaffia glomerata</i> (Spreng.) Pedersen. <i>BioMetals</i> , 2011, 24, 959-971.	4.1	17
29	Effects of excess copper in vineyard soils on the mineral nutrition of potato genotypes. <i>Food and Energy Security</i> , 2013, 2, 49-69.	4.3	17
30	Second-Generation Phosphorus: Recovery from Wastes towards the Sustainability of Production Chains. <i>Sustainability</i> , 2021, 13, 5919.	3.2	16
31	Development of multi-elemental method for quality control of parenteral component solutions using ICP-MS. <i>Microchemical Journal</i> , 2011, 98, 144-149.	4.5	15
32	Performance and microbial features of Anammox in a single-phase reactor under progressive nitrogen loading rates for wastewater treatment plants. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107028.	6.7	15
33	Modified Ludzack-Hettinger system role in efficient nitrogen removal from swine manure under high total suspended solids concentration. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7715-7726.	3.5	12
34	A new kinetic model to predict substrate inhibition and better efficiency in an airlift reactor on deammonification process. <i>Bioresource Technology</i> , 2021, 319, 124158.	9.6	12
35	Fluoride determination in carbon nanotubes by ion selective electrode. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 1193-1198.	0.6	11
36	Chemical Removal of Phosphorus from Swine Effluent: the Impact of Previous Effluent Treatment Technologies on Process Efficiency. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	11

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37	Hematological indices and activity of NTPDase and cholinesterase enzymes in rats exposed to cadmium and treated with N-acetylcysteine. <i>BioMetals</i> , 2012, 25, 1195-1206.	4.1	10
38	Toxicity of Triphenyltin Hydroxide to Fish. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 65, 733-741.	4.1	10
39	Treatment of digestate from swine sludge continuous stirred tank reactor to reduce total carbon and total solids content. <i>Environment, Development and Sustainability</i> , 2021, 23, 12326-12341.	5.0	7
40	Swine manure biogas production improvement using pre-treatment strategies: Lab-scale studies and full-scale application. <i>Bioresource Technology Reports</i> , 2021, 15, 100716.	2.7	7
41	Triphenyltin hydroxide induces changes in the oxidative stress parameters of fish. <i>Ecotoxicology</i> , 2017, 26, 565-569.	2.4	5
42	Pre-treatment Strategies for Value Addition in Poultry Litter. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 477.	4.1	4
43	Nutritional disorder in <i>Pfaffia glomerata</i> by mercury excess in nutrient solution. <i>Ciencia Rural</i> , 2016, 46, 279-285.	0.5	3
44	Sludge management in lagoons: The role of denitrification as a function of carbon biodegradation. <i>Bioresource Technology Reports</i> , 2021, 15, 100802.	2.7	2
45	Metabolismo e distribuição do flúor em ovinos jovens tratados cronicamente com fluoreto de sódio. <i>Pesquisa Veterinária Brasileira</i> , 2008, 28, 124-128.	0.5	1
46	Sediment Removal from Crude Oil Emulsion using Microwave Radiation. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	1