

# Fabrício Augusto Hansel

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

878  
citations

623574

14  
h-index

477173

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally produced 3-(o-alkylphenyl)alkanoic acids provide evidence for the processing of marine products in archaeological pottery vessels. <i>Tetrahedron Letters</i> , 2004, 45, 2999-3002.	0.7	196
2	Hardwood and softwood kraft lignins fractionation by simple sequential acid precipitation. <i>Separation and Purification Technology</i> , 2015, 154, 82-88.	3.9	112
3	Formation of dihydroxy acids from Z-monounsaturated alkenoic acids and their use as biomarkers for the processing of marine commodities in archaeological pottery vessels. <i>Tetrahedron Letters</i> , 2009, 50, 5562-5564.	0.7	58
4	Antioxidant, antibacterial and antitumoural activities of kraft lignin from hardwood fractionated by acid precipitation. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1535-1542.	3.6	57
5	Mini-cuttings technique: a new ex vitro method for clonal propagation of sweetgum. <i>New Forests</i> , 2010, 39, 343-353.	0.7	45
6	Effect of cellulose size-concentration on the structure of polyvinyl alcohol hydrogels. <i>Carbohydrate Polymers</i> , 2020, 245, 116612.	5.1	42
7	Soil Animals and Pedogenesis. <i>Soil Science</i> , 2016, 181, 110-125.	0.9	40
8	Chemical and structural characterization of hardwood and softwood LignoForce <sup>®</sup> lignins. <i>Industrial Crops and Products</i> , 2021, 173, 114138.	2.5	39
9	Gas chromatographic mass spectrometric detection of dihydroxy fatty acids preserved in the bound phase of organic residues of archaeological pottery vessels. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1893-1898.	0.7	34
10	Comparison of two alkaline treatments in the extraction of organic compounds associated with water repellency in soil under <i>Pinus taeda</i> . <i>Geoderma</i> , 2008, 148, 167-172.	2.3	25
11	Molecular and morphological characterization of hydrochar produced by microwave-assisted hydrothermal carbonization of cellulose. <i>Pesquisa Agropecuaria Brasileira</i> , 2012, 47, 687-692.	0.9	25
12	Micropropagation of an <i>Eucalyptus</i> hybrid ( <i>Eucalyptus benthamii</i> x <i>Eucalyptus dunnii</i> ). <i>Acta Scientiarum - Agronomy</i> , 2011, 33, .	0.6	23
13	Organic geochemical evaluation of organic acids to assess anthropogenic soil deposits of Central Amazon, Brazil. <i>Organic Geochemistry</i> , 2013, 58, 96-106.	0.9	18
14	Evaluation of biotechnological processes to obtain ethanol from recycled paper sludge. <i>Journal of Material Cycles and Waste Management</i> , 2017, 19, 463-472.	1.6	18
15	Acetone:Water fractionation of pyrolytic lignin improves its antioxidant and antibacterial activity. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105175.	2.6	17
16	Pilot-Scaled Fast-Pyrolysis Conversion of <i>Eucalyptus</i> Wood Fines into Products: Discussion Toward Possible Applications in Biofuels, Materials, and Precursors. <i>Bioenergy Research</i> , 2020, 13, 411-422.	2.2	16
17	The evaluation of the potential ecotoxicity of pyroligneous acid obtained from fast pyrolysis. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 616-623.	2.9	15
18	Determination of volatile organic compounds in eucalyptus fast pyrolysis bio-oil by full evaporation headspace gas chromatography. <i>Talanta</i> , 2018, 176, 47-51.	2.9	14

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19	Allelopathic effects of <i>Araucaria angustifolia</i> needle extracts in the growth of <i>Lactuca sativa</i> seeds. <i>Journal of Forest Research</i> , 2012, 17, 440-445.	0.7	13
20	Evolved gas analysis (TG-DSC-FTIR) and (Pyr-GC-MS) in the disposal of medicines (aceclofenac). <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 119, 157-161.	2.6	13
21	Chemical Composition of Essential Oils from Ripe and Unripe Fruits of <i>Piper amalago</i> L. var. <i>medium</i> (Jacq.) Yunck and <i>Piper hispidum</i> Sw.. <i>Journal of Essential Oil Research</i> , 2011, 23, 54-58.	1.3	12
22	Pyrolysis-gas chromatography-mass spectrometry Kovats retention index of pyrolysis products of lignocellulosic materials. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 126, 332-336.	2.6	11
23	Earthworm-biochar interactions: A laboratory trial using <i>Pontoscolex corethrurus</i> . <i>Science of the Total Environment</i> , 2021, 777, 146147.	3.9	8
24	Thermal profile of 4,4-dinitrocarbanilide determined by thermogravimetry-differential scanning calorimetry-mass spectrometry (TG-DSC-MS) and pyrolysis-gas chromatography-mass spectrometry (Py-GC-MS). <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 697-701.		7
25	Arqueologia biomolecular: passos preliminares para interpretações sobre a origem dos resíduos orgânicos preservados em fragmentos de cerâmica pré-colonial no Brasil. <i>Química Nova</i> , 2006, 29, 422-428.	0.3	4
26	Simultaneous pyrolysis and trimethylsilylation with N-methyl-(trimethylsilyl) trifluoroacetamide for the characterisation of lignocellulosic materials from kraft pulping. <i>Holzforchung</i> , 2018, 72, 851-862.	0.9	4
27	Evaluation of occurrence of NO <sub>3</sub> <sup>-</sup> , Coliform and atrazine in a karst aquifer, Colombo, PR. <i>Revista Brasileira De Recursos Hidricos</i> , 2017, 22, .	0.5	3
28	Chemical compounds in Neotropical fruit bat-plant interactions. <i>Mammalian Biology</i> , 2019, 94, 92-97.	0.8	3
29	Callus culture as a new approach for the production of high added value compounds in <i>Ilex paraguariensis</i> : genotype influence, medium optimization and compounds identification. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20181251.	0.3	3
30	Lipídios em sedimentos arqueológicos: resultados preliminares do sítio arqueológico Rio do Meio, Ilha de Santa Catarina (SC). <i>Revista Brasileira De Ciencia Do Solo</i> , 2008, 32, 133-140.	0.5	2
31	Thermally assisted hydrolysis and methylation (THM) analysis: A new perspective for biochemical investigation of fatty acid composition in enchytraeid tissues. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 110, 470-475.	2.6	1
32	<i>Ilex paraguariensis</i> : the effect of genotypes and growth phase on biomass, secondary metabolism and antioxidant activity of in vitro cultivated calli. <i>Boletín Latinoamericano Y Del Caribe De Plantas Medicinales Y Aromaticas</i> , 2022, 21, 548-560.	0.2	0