Graciela Ines Bolzon de Muniz

List of Publications by Year
in descending order

106 papers	1,469 citations	471477 17 h-index	395678 33 g-index
106 all docs	106 docs citations	106 times ranked	1826 citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-composites of cassava starch-green coconut fiber: Part IIâ€”Structure and properties. Carbohydrate Polymers, 2014, 102, 576-583.	10.2	152
2	Study of the properties of biocomposites. Part I. Cassava starch-green coir fibers from Brazil. Carbohydrate Polymers, 2011, 86, 1712-1722.	10.2	120
3	Hardwood and softwood kraft lignins fractionation by simple sequential acid precipitation. Separation and Purification Technology, 2015, 154, 82-88.	7.9	112
4	Near infrared spectroscopy (NIRS) as a potential tool for monitoring trade of similar woods: Discrimination of true mahogany, cedar, andiroba, and curupixÃ¡. Holzforschung, 2011, 65, 73-80.	1.9	97
5	Storage as a tool to improve wood fuel quality. Biomass and Bioenergy, 2011, 35, 2581-2588.	5.7	68
6	Antioxidant, antibacterial and antitumoural activities of kraft lignin from hardwood fractionated by acid precipitation. International Journal of Biological Macromolecules, 2021, 166, 1535-1542.	7.5	57
7	Assessment of Nano Cellulose from Peach Palm Residue as Potential Food Additive: Part II: Preliminary Studies. Journal of Food Science and Technology, 2015, 52, 5641-5650.	2.8	47
8	Characterization of the wood quality of pernambuco (Caesalpinia echinata Lam) by measurements of density, extractives content, microfibril angle, stiffness, color, and NIR spectroscopy. Holzforschung, 2009, 63, .	1.9	30
9	Calorific value of Prosopis africana and Balanites aegyptiaca wood: Relationships with tree growth, wood density and rainfall gradients in the West African Sahel. Biomass and Bioenergy, 2011, 35, 346-353.	5.7	30
10	Artificial neural network and SIMCA classification in some wood discrimination based on near-infrared spectra. Wood Science and Technology, 2017, 51, 929-942.	3.2	30
11	Microfibrillated nanocellulose from balsa tree as potential reinforcement in the preparation of â€˜greenâ€™ composites with castor seed cake. Journal of Cleaner Production, 2017, 149, 1157-1163.	9.3	28
12	Vacuum Drying Kinetics of Yacon (Smallanthus sonchifolius) and the Effect of Process Conditions on Fractal Dimension and Rehydration Capacity. Drying Technology, 2012, 30, 13-19.	3.1	27
13	Efeitos da poluiÃ§Ã£o por petrÃ³leo na estrutura da folha de Podocarpus lambertii Klotzsch ex Endl., Podocarpaceae. Acta Botanica Brasilica, 2006, 20, 615-624.	0.8	21
14	Variation in growth, wood density and carbon concentration in five tree and shrub species in Niger. New Forests, 2018, 49, 35-51.	1.7	20
15	Application of Cellulose Nanofibrils Isolated from an Agroindustrial Residue of Peach Palm in Cassava Starch Films. Food Biophysics, 2020, 15, 323-334.	3.0	20
16	NANOFIBRILLATED CELLULOSE AS AN ADDITIVE FOR RECYCLED PAPER. Cerne, 2018, 24, 140-148.	0.9	19
17	Chitosan Depolymerization and Nanochitosan Production Using a Single Physical Procedure. Journal of Polymers and the Environment, 2018, 26, 3913-3923.	5.0	17
18	Effects of region, soil, land use, and terrain type on fuelwood properties of five tree/shrub species in the Sahelian and Sudanian ecozones of Mali. Annals of Forest Science, 2012, 69, 747-756.	2.0	16

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19	Potential use of NIR spectroscopy to identify Cryptomeria japonica varieties from southern Brazil. Wood Science and Technology, 2016, 50, 71-80.	3.2	16
20	Adsorption of aquaculture pollutants using a sustainable biopolymer. Environmental Science and Pollution Research, 2018, 25, 4361-4370.	5.3	16
21	Production and characterization of starchâ€based films reinforced by ramie nanofibers (<i>Boehmeria) Tj ETQq1 1 0.784314 rgBT /Ov	2.6	16
22	Feasibility of ramie fibers as raw material for the isolation of nanofibrillated cellulose. Carbohydrate Polymers, 2020, 230, 115579.	10.2	16
23	Near Infrared Spectroscopy and Chemometrics for Predicting Specific Gravity and Flexural Modulus of Elasticity of Pinus spp. Veneers. Journal of Near Infrared Spectroscopy, 2010, 18, 481-489.	1.5	15
24	Anatomia do carvÃ£o de espÃ©cies florestais. Cerne, 2012, 18, 471-477.	0.9	15
25	Biopolymer foam for remediation of aquatic environments contaminated with particulates and heavy metals. Journal of Environmental Chemical Engineering, 2018, 6, 6131-6138.	6.7	15
26	SEM and NIR characterization of four forest species charcoal. Wood Science and Technology, 2013, 47, 815-823.	3.2	14
27	Anatomical and energy characteristics of charcoal made from five species. Acta Amazonica, 2014, 44, 367-372.	0.7	14
28	CaracterizaÃ§Ã£o colorimÃ©trica das madeiras de trÃªs espÃ©cies florestais da amazÃ´nia. Cerne, 2014, 20, 337-342.	0.9	14
29	Preparation and characterization of biodegradable composites based on Brazilian cassava starch, corn starch and green coconut fibers. Revista Materia, 2010, 15, 330-337.	0.2	13
30	Changes of wettability of medium density fiberboard (MDF) treated with He-DBD plasma. Holzforschung, 2015, 69, 187-192.	1.9	13
31	A contribution to the identification of charcoal origin in Brazil II - Macroscopic characterization of Cerrado species. Anais Da Academia Brasileira De Ciencias, 2016, 88, 1045-1054.	0.8	13
32	Wood and charcoal identification of five species from the miscellaneous group known in Brazil as “Angelim” by Near-IR and wood anatomy. Maderas: Ciencia Y Tecnologia, 2016, , 0-0.	0.7	12
33	Different degree of fibrillation: strategy to reduce permeability in nanocellulose-starch films. Cellulose, 2020, 27, 10855-10872.	4.9	12
34	Characterization of Pinus spp needles and evaluation of their potential use for energy. Cerne, 2014, 20, 245-250.	0.9	11
35	Influence of carbonization temperature on the anatomical characteristics of Ocotea porosa (Nees) Tj ETQq1 1 0.784314 rgBT /Overlo	3.2	11
36	Identification and antimicrobial activity of the sesquiterpene lactone mixture extracted from Smallanthus sonchifolius dried leaves. European Food Research and Technology, 2017, 243, 2155-2161.	3.3	11

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37	Estimate of the density of Eucalyptus grandis W. Hill ex Maiden using near infrared spectroscopy. Cerne, 2013, 19, 647-652.	0.9	10
38	Microstructural aspects of thermally modified Eucalyptus grandis wood. Maderas: Ciencia Y Tecnologia, 2015, , 0-0.	0.7	10
39	Mozambique's charcoals: anatomy of nine native species. Bosque, 2015, 36, 105-112.	0.3	10
40	Fundamentos e estado da arte da espectroscopia no infravermelho prÃ³ximo no setor de base florestal. Ciencia Florestal, 2012, 22, .	0.3	10
41	Non-Destructive Estimation of Pernambuco (Caesalpinia Echinata) Clear Wood Properties Using near Infrared Spectroscopy. Journal of Near Infrared Spectroscopy, 2011, 19, 411-419.	1.5	9
42	Effect of the Brazilian thermal modification process on the chemical composition of Eucalyptus grandis juvenile wood: Part 1: Cell wall polymers and extractives contents. Maderas: Ciencia Y Tecnologia, 2016, , 0-0.	0.7	9
43	Enhancing the water repellency of wood surfaces by atmospheric pressure cold plasma deposition of fluorocarbon film. RSC Advances, 2017, 7, 29159-29169.	3.6	9
44	Variation in growth, wood stiffness and density, and correlations between growth and wood stiffness and density in five tree and shrub species in the Sahelian and Sudanian ecozones of Mali. Trees - Structure and Function, 2017, 31, 833-849.	1.9	9
45	A contribution to the identification of charcoal origin in Brazil III: microscopic identification of 10 Cerrado species. Australian Journal of Botany, 2018, 66, 255.	0.6	9
46	MORPHOLOGICAL, PHYSICAL AND THERMAL CHARACTERIZATION OF MICROFIBRILLATED CELLULOSE. Revista Arvore, 2018, 42, .	0.5	9
47	Nanostructured Films Produced from the Bleached Pinus sp. Kraft Pulp. Floresta E Ambiente, 2019, 26, .	0.4	9
48	WOOD COLORIMETRY OF NATIVE SPECIES OF MYRTACEAE FROM A ARAUCARIA FOREST. Floresta, 2019, 49, 353.	0.2	9
49	Influence of storage time on the quality of biomass for energy production in humid subtropical regions. Cerne, 2010, 16, 531-537.	0.9	9
50	CaracterizaÃ§Ã£o de nanofilmes de celulose nanofibrilada obtida em diferentes consistÃªncias. Scientia Forestalis/Forest Sciences, 2016, 44, .	0.2	9
51	ResistÃªncia da linha de cola de painÃ©is de Pinus taeda colados lateralmente com diferentes adesivos. Cerne, 2013, 19, 613-619.	0.9	8
52	Growth and fuelwood properties of five tree and shrub species in the Sahelian and Sudanian ecozones of Mali: relationships with mean annual rainfall and geographical coordinates. New Forests, 2014, 45, 179-197.	1.7	8
53	RESISTÃŠNCIA DA MADEIRA MODIFICADA TERMICAMENTE DE <i>Eucalyptus grandis</i> W. Hill ex Maiden AO TÃ‰RMITA DE MADEIRA SECA <i>Cryptotermes </i>sp.. Ciencia Florestal, 2016, 26, 671-678.	0.3	8
54	Adhesion performance and film formation of acrylic emulsion coating on medium density fiberboard treated with Ar plasma. International Journal of Adhesion and Adhesives, 2016, 70, 322-328.	2.9	8

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55	InfluÃªncia das dimensÃµes da biomassa estocada de Pinus taeda L. e Eucalyptus dunnii Maiden na qualidade do combustÃvel para geraÃ§Ã£o de energia. Revista Arvore, 2014, 38, 175-183.	0.5	8
56	Thermal Stabilization of Wood/Polypropylene Composites Through Addition of Unmodified, Low-Cost Kraft Lignin. Waste and Biomass Valorization, 2020, 11, 1555-1563.	3.4	7
57	Potential of the near-infrared spectroscopy for the discrimination of wood and charcoal of four native Myrtaceae species in southern Brazil. Wood Material Science and Engineering, 2021, 16, 188-195.	2.3	7
58	Discrimination of â€œLourosâ€•wood from the Brazilian Amazon by near-infrared spectroscopy and machine learning techniques. European Journal of Wood and Wood Products, 2021, 79, 989-998.	2.9	7
59	AvaliaÃ§Ã£o do processo produtivo de uma indÃºstria de manufatura de painÃ©is por meio do balanÃ§o de material e do rendimento da matÃ©ria-prima. Revista Arvore, 2004, 28, 553-562.	0.5	7
60	Mozambiqueâ€™s charcoalsâ€”energetic properties of nine native species. European Journal of Wood and Wood Products, 2015, 73, 131-133.	2.9	6
61	Impact of carbonization parameters on anatomic aspects and near-infrared spectra of three species from Mozambique. Wood Science and Technology, 2019, 53, 1373-1394.	3.2	6
62	AnatomÃa y ultraestructura de la madera de tres especies de Prosopis (Leguminosae-Mimosoideae) del Parque ChaqueÃ±o seco, Argentina. Madera Bosques, 2016, 16, 21.	0.2	6
63	IdentificaÃ§Ã£o de Madeiras utilizando a Espectrometria no Infravermelho PrÃ³ximo e Redes Neurais Artificiais. TeMa, 2015, 16, 81.	0.1	6
64	Surface wettability of Brazilian tropical wood flooring treated with He plasma. Maderas: Ciencia Y Tecnologia, 2016, , 0-0.	0.7	5
65	Alternative methods for the pilot-scale production and characterization of chitosan nanoparticles. Environmental Science and Pollution Research, 2021, 28, 10977-10987.	5.3	5
66	InfluÃªncia da Ã‰poca de Colheita e da Estocagem na ComposiÃ§Ã£o QuÃmica da Biomassa Florestal. Floresta E Ambiente, 2012, 19, 66-78.	0.4	5
67	A contribution to the identification of charcoal origin in Brazil: I- anatomical characterization of corymbia and eucalyptus. Maderas: Ciencia Y Tecnologia, 2014, , 0-0.	0.7	4
68	Potential use of visible and near-infrared spectroscopy for pine species discrimination by examination of needles. Southern Forests, 2015, 77, 243-247.	0.7	4
69	QUALIFICAÃ‡ÃƒO DA BIOMASSA EM POVOAMENTOS FLORESTAIS DE Pinus taeda. Floresta, 2016, 46, 269.	0.2	4
70	EVALUATION OF POLY(VINYL ALCOHOL) ADDITION EFFECT ON NANOFIBRILLATED CELLULOSE FILMS CHARACTERISTICS. Cerne, 2020, 26, 1-8.	0.9	4
71	Physicomechanical Characterization of Poly(acrylic acid-co-acrylamide) Hydrogels Reinforced with TEMPO-oxidized Blue Agave Cellulose Nanofibers. Fibers and Polymers, 2022, 23, 1161-1170.	2.1	4
72	VariaÃ§Ã£o dimensional das traqueÃdes ao longo do caule de Podocarpus lambertii Klotzsch ex Endl., Podocarpaceae. Acta Botanica Brasilica, 2006, 20, 633-640.	0.8	3

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73	INFLUÃŠNCIA DA Ã‰POCA DE ESTOCAGEM NA QUALIDADE DA BIOMASSA FLORESTAL PARA A GERAÃ‡ÃƒO DE ENERGIA. Floresta, 2012, 42, 369.	0.2	3
74	DIVERSIDADE E ESTRUTURA GENÃ‰TICA DE Senna reticulata. Floresta, 2015, 45, 507.	0.2	3
75	Influencia de la granulometria de la muestra en la discriminaciÃ³n de especies de Salix por infrarrojo cercano. Maderas: Ciencia Y Tecnologia, 2015, , 0-0.	0.7	3
76	The Use of Low-pressure Plasma on Enhancing the Attachment of Al₂O₃ Nanoparticles to Woodâ€“Plastic Composites. Journal of Wood Chemistry and Technology, 2018, 38, 71-83.	1.7	3
77	<b>Histochemical analysis of stem and fiber of ramie (<i>Boehmeria nivea</i> (L.) Gaud) Tj ETQq1 1 0.784314 rgBT /Ove	0.3	3
78	VariaÃ§Ã£o radial das estruturas da madeira de Acrocarpus fraxinifolius Wight & Arn. Floresta E Ambiente, 2012, 19, 316-324.	0.4	3
79	Development of Composites of Highly Filled Phenol Formaldehyde Resin â€“ Coconut (<i>Cocos) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	2
80	Effect of the Brazilian thermal modification process on the chemical composition of Eucalyptus grandis juvenile wood: Part 2: Solubility and ash content. Maderas: Ciencia Y Tecnologia, 2016, , 0-0.	0.7	2
81	Discrimination of wood and charcoal from six Caatinga species by near-infrared spectroscopy. Maderas: Ciencia Y Tecnologia, 2018, , 0-0.	0.7	2
82	NANOFIBRILLATED CELLULOSE, THE SMALL PROMISING FIBER: CHARACTERISTICS AND POTENTIALITIES. Floresta, 2019, 49, 411.	0.2	2
83	Chitosan Foamâ€“Based Filter: Maintenance of Water Quality for Nile Tilapia Cultivation. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	2
84	Hydrogen peroxide, superoxide, lipid peroxidation and membrane damage in leaves of the tree Prosopis nigra (Fabaceae) under simulated glyphosate drift. Cuadernos De InvestigaciÃ³n UNED, 2021, 13, e3170.	0.1	2
85	Characterization of <I>Pinus</I> <I>sp</I> of Needle to Assess Their Possible Industrial Applications. Journal of Biobased Materials and Bioenergy, 2014, 8, 192-201.	0.3	2
86	ClassificaÃ§Ã£o de lÃ¢minas de madeira de Pinus spp. contaminadas por fungos manchadores. Revista Arvore, 2013, 37, 369-375.	0.5	2
87	AvaliaÃ§Ã£o das dimensÃµes das fibras de colmos de bambu, Dendrocalamus giganteus (Wall) Munro, em diferentes idades. Ciencia Florestal, 2014, 24, .	0.3	2
88	Near-infrared spectroscopy for the distinction of wood and charcoal from Fabaceae species: comparison of ANN, KNN AND SVM models. Forest Systems, 2020, 29, e020.	0.3	2
89	Colorimetry as a tool for description of some wood species marketed as â€œtauariâ€• in Brazilian Amazon. Anais Da Academia Brasileira De Ciencias, 2022, 94, e20191479.	0.8	2
90	VIS/NIR spectra and color parameters according to leaf age of some Eucalyptus species: influence on their classification and discrimination. Forest Systems, 2022, 31, e013.	0.3	2

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91	ESTUDIO DE LA PRODUCTIVIDAD DE CORTE EN MADERA PINUS ELLIOTTII UTILIZANDO UN PROTOTIPO DE ASERRADERO PORTÃ¯TIL. Maderas: Ciencia Y Tecnologia, 2010, 12, .	0.7	1
92	AnÃ¡lisis de la estructura anatÃ³mica de la madera y del carbÃ³n de dos especies de Sapotaceae. Maderas: Ciencia Y Tecnologia, 2013, , 0-0.	0.7	1
93	NIR spectroscopy can evaluate the crystallinity and the tensile and burst strengths of nanocellulosic films. Maderas: Ciencia Y Tecnologia, 2016, , 0-0.	0.7	1
94	Colour responses of Eucalyptus grandis wood to the Brazilian process of thermal modification. Maderas: Ciencia Y Tecnologia, 2018, , 0-0.	0.7	1
95	NIR spectroscopy and wood anatomy to distinguish Prosopis alba wood and charcoal from natural and planted forest. International Wood Products Journal, 2019, 10, 168-177.	1.1	1
96	Vis spectroscopy and CIELAB parameters of six wood species of the Fabaceae family marketed in the Brazilian Amazon. International Wood Products Journal, 2021, 12, 164-171.	1.1	1
97	Near-Infrared Spectroscopy for Discrimination of Charcoal from Eucalyptus and Native Cerrado Speciesâ€"Contribution to a Database for Forestry Supervision. Forest Science, 2021, 67, 419-432.	1.0	1
98	Old Corrugated Container (OCC) Cardboard Material: An Alternative Source for Obtaining Microfibrillated Cellulose. Journal of Natural Fibers, 2022, 19, 9296-9308.	3.1	1
99	Production of plywood panels from Pinus taeda using veneers of differing densities and phenol-formaldehyde resin with high and low molecular weights. Cerne, 2013, 19, 315-321.	0.9	1
100	Corrigendum to: Changes of wettability of medium density fiberboard (MDF) treated with He-DBD plasma. Holzforschung, 2015, 69, 1039-1039.	1.9	0
101	Influence of Age on the Discrimination of Tectona grandis by VIS/NIR Spectroscopy. Floresta E Ambiente, 2019, 26, .	0.4	0
102	Charcoal anatomy and NIR spectra of Spirostachys africana, Terminalia sp. and Colophospermum mopane in different carbonization process. SN Applied Sciences, 2020, 2, 1.	2.9	0
103	GENETIC PARAMETERS IN SEED CHARACTERS OF Ormosia discolor UNDER DIFFERENT AMBIENT CONDITIONS. Floresta, 2021, 51, 492.	0.2	0
104	Estimativa da oferta de biomassa florestal em povoamentos de Pinus taeda L. apÃ³s intervenÃ§Ãµes culturais. Ciencia Florestal, 2019, 29, 1459.	0.3	0
105	Colorimetry of Acacia mangium wood from plantations in northeast Brazil. Rodriguesia, 0, 72, .	0.9	0
106	Impact of clove essential oil and potassium sorbate incorporation on cassava starchâ€based films reinforced peach palm cellulose nanofibrils. Journal of Food Processing and Preservation, 0, , .	2.0	0