

Gustavo Henrique Denzin Tonoli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122
papers

2,589
citations

29
h-index

46
g-index

130
ext. papers

3,085
ext. citations

3.8
avg, IF

5.15
L-index

#	Paper	IF	Citations
122	Coir fiber as reinforcement in cement-based materials 2022 , 707-739		
121	Effect of overlapping cellulose nanofibrils and nanoclay layers on mechanical and barrier properties of spray-coated papers. <i>Cellulose</i> , 2022 , 29, 1097-1113	5.5	2
120	Investigation of dispersion methodologies of microcrystalline and nano-fibrillated cellulose on cement pastes. <i>Cement and Concrete Composites</i> , 2022 , 126, 104351	8.6	0
119	Impact of nanosilica deposited on cellulose pulp fibers surface on hydration and fiber-cement compressive strength. <i>Construction and Building Materials</i> , 2022 , 326, 126847	6.7	0
118	Copaiba oil and vegetal tannin as functionalizing agents for aãi nanofibril films: valorization of forest wastes from Amazonia.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
117	Optimizing cellulose microfibrillation with NaOH pretreatments for unbleached Eucalyptus pulp. <i>Cellulose</i> , 2021 , 28, 11519	5.5	2
116	Preparation and characterization of tannin-based adhesives reinforced with cellulose nanofibrils for wood bonding. <i>Holzforschung</i> , 2021 , 75, 159-167	2	2
115	Optimization of Cellulose Nanofibril Production under Enzymatic Pretreatment and Evaluation of Dislocations in Plant Fibers. <i>Fibers and Polymers</i> , 2021 , 22, 1810-1821	2	0
114	Evaluation of changes in cellulose micro/nanofibrils structure under chemical and enzymatic pre-treatments. <i>Holzforschung</i> , 2021 ,	2	1
113	Redispersion and structural change evaluation of dried microfibrillated cellulose. <i>Carbohydrate Polymers</i> , 2021 , 252, 117165	10.3	13
112	Characterization of cassava starch/soy protein isolate blends obtained by extrusion and thermocompression. <i>Industrial Crops and Products</i> , 2021 , 160, 113092	5.9	13
111	Exfoliating Agents for Skincare Soaps Obtained from the Crabwood Waste Bagasse, a Natural Abrasive from Amazonia. <i>Waste and Biomass Valorization</i> , 2021 , 12, 4441	3.2	1
110	Active coatings of thermoplastic starch and chitosan with alpha-tocopherol/bentonite for special green coffee beans. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 810-819	7.9	6
109	Valorization of Jute Biomass: Performance of FiberCement Composites Extruded with Hybrid Reinforcement (Fibers and Nanofibrils). <i>Waste and Biomass Valorization</i> , 2021 , 12, 5743-5761	3.2	8
108	New biodegradable film produced from cocoa shell nanofibrils containing bioactive compounds 2021 , 18, 1613		3
107	Bio-based films/nanopapers from lignocellulosic wastes for production of added-value micro-/nanomaterials. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	5
106	Addition of wheat straw nanofibrils to improve the mechanical and barrier properties of cassava starchBased bionanocomposites. <i>Industrial Crops and Products</i> , 2021 , 170, 113816	5.9	3

105	Superabsorbent ability polymer to reduce the bulk density of extruded cement boards. <i>Journal of Building Engineering</i> , 2021 , 43, 103130	5.2	
104	Influence of thermal treatment of eucalyptus fibers on the physical-mechanical properties of extruded fiber-cement composites. <i>Materials Today: Proceedings</i> , 2020 , 31, S348-S352	1.4	3
103	Obtaining cellulosic nanofibrils from oat straw for biocomposite reinforcement: Mechanical and barrier properties. <i>Industrial Crops and Products</i> , 2020 , 148, 112264	5.9	21
102	Monitoring the dynamics of Portland cement hydration through photoluminescence and other correlated spectroscopy techniques. <i>Construction and Building Materials</i> , 2020 , 252, 119073	6.7	3
101	Influence of chemical pretreatments on plant fiber cell wall and their implications on the appearance of fiber dislocations. <i>Holzforschung</i> , 2020 , 74, 949-955	2	3
100	Cement-based corrugated sheets reinforced with polypropylene fibres subjected to a high-performance curing method. <i>Construction and Building Materials</i> , 2020 , 262, 120791	6.7	3
99	Pretreatment Affects Activated Carbon from Piassava. <i>Polymers</i> , 2020 , 12,	4.5	3
98	Artificial neural network and partial least square regressions for rapid estimation of cellulose pulp dryness based on near infrared spectroscopic data. <i>Carbohydrate Polymers</i> , 2019 , 224, 115186	10.3	9
97	Tannin-stabilized silver nanoparticles and citric acid added associated to cellulose nanofibrils: effect on film antimicrobial properties. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	4
96	Curaua and eucalyptus nanofiber films by continuous casting: mixture of cellulose nanocrystals and nanofibrils. <i>Cellulose</i> , 2019 , 26, 2453-2470	5.5	18
95	Improving cellulose nanofibrillation of non-wood fiber using alkaline and bleaching pre-treatments. <i>Industrial Crops and Products</i> , 2019 , 131, 203-212	5.9	36
94	Influence of hemicellulose content of Eucalyptus and Pinus fibers on the grinding process for obtaining cellulose micro/nanofibrils. <i>Holzforschung</i> , 2019 , 73, 1035-1046	2	18
93	Influence of the initial moisture content on the carbonation degree and performance of fiber-cement composites. <i>Construction and Building Materials</i> , 2019 , 215, 22-29	6.7	8
92	Study of morphological properties and rheological parameters of cellulose nanofibrils of cocoa shell (<i>Theobroma cacao</i> L.). <i>Carbohydrate Polymers</i> , 2019 , 214, 152-158	10.3	12
91	Jute fibers and micro/nanofibrils as reinforcement in extruded fiber-cement composites. <i>Construction and Building Materials</i> , 2019 , 211, 517-527	6.7	35
90	Massaranduba Sawdust: A Potential Source of Charcoal and Activated Carbon. <i>Polymers</i> , 2019 , 11,	4.5	7
89	Fiber-cement composites hydrated with carbonated water: Effect on physical-mechanical properties. <i>Cement and Concrete Research</i> , 2019 , 124, 105812	10.3	6
88	Incorporação de Nanomateriais e emulsão de ceras no desenvolvimento de papéis multicamadas. <i>Scientia Forestalis/Forest Sciences</i> , 2019 , 47,	1.1	2

87	CELLULOSE NANOFIBRILS MODIFICATION WITH POLYANILINE AIMING AT ENHANCING ELECTRICAL PROPERTIES FOR APPLICATION IN FLEXIBLE ELECTRONICS. <i>Cellulose Chemistry and Technology</i> , 2019 , 53, 775-786	1.9	4
86	CELLULOSE SHEETS MADE FROM MICRO/NANOFIBRILLATED FIBERS OF BAMBOO, JUTE AND EUCALYPTUS CELLULOSE PULPS. <i>Cellulose Chemistry and Technology</i> , 2019 , 53, 291-305	1.9	2
85	Bio-based thin films of cellulose nanofibrils and magnetite for potential application in green electronics. <i>Carbohydrate Polymers</i> , 2019 , 207, 100-107	10.3	21
84	Activated carbons prepared by physical activation from different pretreatments of amazon piassava fibers. <i>Journal of Natural Fibers</i> , 2019 , 16, 961-976	1.8	9
83	Main Characteristics of Underexploited Amazonian Palm Fibers for Using as Potential Reinforcing Materials. <i>Waste and Biomass Valorization</i> , 2019 , 10, 3125-3142	3.2	2
82	Effect of the nano-fibrillation of bamboo pulp on the thermal, structural, mechanical and physical properties of nanocomposites based on starch/poly(vinyl alcohol) blend. <i>Cellulose</i> , 2018 , 25, 1823-1849	5.5	22
81	Spraying Cellulose Nanofibrils for Improvement of Tensile and Barrier Properties of Writing & Printing (W&P) Paper. <i>Journal of Wood Chemistry and Technology</i> , 2018 , 38, 233-245	2	15
80	Nanoindentation study of the interfacial zone between cellulose fiber and cement matrix in extruded composites. <i>Cement and Concrete Composites</i> , 2018 , 85, 1-8	8.6	24
79	Hydrothermal treatment of strand particles of pine for the improvement of OSB panels. <i>European Journal of Wood and Wood Products</i> , 2018 , 76, 155-162	2.1	6
78	Effect of Nano-silica Deposition on Cellulose Fibers on the Initial Hydration of the Portland Cement. <i>BioResources</i> , 2018 , 13,	1.3	4
77	The effect of surface modifications with corona discharge in pinus and eucalyptus nanofibril films. <i>Cellulose</i> , 2018 , 25, 5017-5033	5.5	5
76	Eucalyptus wood nanofibrils as reinforcement of carrageenan and starch biopolymers for improvement of physical properties. <i>Journal of Tropical Forest Science</i> , 2018 , 30, 292-303	1	3
75	Cellulose nanofibrils/nanoclay hybrid composite as a paper coating: Effects of spray time, nanoclay content and corona discharge on barrier and mechanical properties of the coated papers. <i>Food Packaging and Shelf Life</i> , 2018 , 15, 87-94	8.2	36
74	NANOPARTICLES-BASED WOOD PRESERVATIVES: THE NEXT GENERATION OF WOOD PROTECTION?. <i>Cerne</i> , 2018 , 24, 397-407	0.7	20
73	POLYESTER COMPOSITES REINFORCED WITH MALEIC ANHYDRIDE-TREATED FILAMENTS FROM MAUVE. <i>Cerne</i> , 2018 , 24, 1-8	0.7	3
72	How the surface wettability and modulus of elasticity of the Amazonian paric nanofibrils films are affected by the chemical changes of the natural fibers. <i>European Journal of Wood and Wood Products</i> , 2018 , 76, 1581-1594	2.1	12
71	Renewable hybrid nanocatalyst from magnetite and cellulose for treatment of textile effluents. <i>Carbohydrate Polymers</i> , 2017 , 163, 101-107	10.3	27
70	Polyester Composites Reinforced with Corona-Treated Fibers from Pine, Eucalyptus and Sugarcane Bagasse. <i>Journal of Polymers and the Environment</i> , 2017 , 25, 800-811	4.5	15

69	Enhanced silk performance by enriching the silkworm diet with bordeaux mixture. <i>Journal of Materials Science</i> , 2017 , 52, 2684-2693	4.3	4
68	Impact of nanofibrillation degree of eucalyptus and Amazonian hardwood sawdust on physical properties of cellulose nanofibril films. <i>Wood Science and Technology</i> , 2017 , 51, 1095-1115	2.5	25
67	Cellulose Associated with Pet Bottle Waste in Cement Based Composites. <i>Materials Research</i> , 2017 , 20, 1380-1387	1.5	9
66	STRENGTH IMPROVEMENT OF HYDROXYPROPYL METHYLCELLULOSE/ STARCH FILMS USING CELLULOSE NANOCRYSTALS. <i>Cerne</i> , 2017 , 23, 423-434	0.7	10
65	Lignocellulosic residues in cement-bonded panels 2017 , 3-16		7
64	Influence of cellulose viscosity and residual lignin on water absorption of nanofibril films. <i>Procedia Engineering</i> , 2017 , 200, 155-161		14
63	Rationalizing the impact of aging on fiber/matrix interface and stability of cement-based composites submitted to carbonation at early ages. <i>Journal of Materials Science</i> , 2016 , 51, 7929-7943	4.3	15
62	Effect of multi-branched PDLA additives on the mechanical and thermomechanical properties of blends with PLLA. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	12
61	Properties of cellulose micro/nanofibers obtained from eucalyptus pulp fiber treated with anaerobic digestate and high shear mixing. <i>Cellulose</i> , 2016 , 23, 1239-1256	5.5	35
60	Coir and Sisal Fibers as Fillers in the Production of Eucalyptus Medium Density Particleboards - MDP. <i>Materials Research</i> , 2016 , 19, 1429-1436	1.5	2
59	MICRO/NANOFIBRILAS CELULSICAS DE EUCALYPTUS EM FIBROCIMENTOS EXTRUDADOS. <i>Cerne</i> , 2016 , 22, 59-68	0.7	28
58	Starch/PVA-based nanocomposites reinforced with bamboo nanofibrils. <i>Industrial Crops and Products</i> , 2015 , 70, 72-83	5.9	102
57	Nanocellulose Films from Amazon Forest Wood Wastes: Structural and Thermal Properties. <i>Key Engineering Materials</i> , 2015 , 668, 110-117	0.4	7
56	How the chemical nature of Brazilian hardwoods affects nanofibrillation of cellulose fibers and film optical quality. <i>Cellulose</i> , 2015 , 22, 3657-3672	5.5	41
55	Incorporation of bamboo particles and Synthetic termite saliva in adobes. <i>Construction and Building Materials</i> , 2015 , 98, 250-256	6.7	14
54	High moisture strength of cassava starch/polyvinyl alcohol-compatible blends for the packaging and agricultural sectors. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	36
53	Supercritical carbonation treatment on extruded fibre/cement reinforced with vegetable fibres. <i>Cement and Concrete Composites</i> , 2015 , 56, 84-94	8.6	63
52	Comparative study of 12 pineapple leaf fiber varieties for use as mechanical reinforcement in polymer composites. <i>Industrial Crops and Products</i> , 2015 , 64, 68-78	5.9	62

51	Use of Castor Hull and Sugarcane Bagasse in Particulate Composites. <i>Key Engineering Materials</i> , 2015 , 668, 381-389	0.4	
50	Cementitious Composites Reinforced with Kraft Pulping Waste. <i>Key Engineering Materials</i> , 2015 , 668, 390-398	0.4	7
49	Functionally Graded MDP Panels Using Bamboo Particles. <i>Key Engineering Materials</i> , 2015 , 668, 39-47	0.4	2
48	Modification of eucalyptus pulp fiber using silane coupling agents with aliphatic side chains of different length. <i>Polymer Engineering and Science</i> , 2015 , 55, 1273-1280	2.3	10
47	Particles of Coffee Wastes as Reinforcement in Polyhydroxybutyrate (PHB) Based Composites. <i>Materials Research</i> , 2015 , 18, 546-552	1.5	32
46	Nanostructured Polylactic Acid/Candeia Essential Oil Mats Obtained by Electrospinning. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-9	3.2	27
45	Biocomposite of Cassava Starch Reinforced with Cellulose Pulp Fibers Modified with Deposition of Silica (SiO ₂) Nanoparticles. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-9	3.2	21
44	Preparation of Cellulose Nanofibrils from Bamboo Pulp by Mechanical Defibrillation for Their Applications in Biodegradable Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 6751-6813	1.3	28
43	Non-conventional cement-based composites reinforced with vegetable fibers: A review of strategies to improve durability. <i>Materiales De Construccion</i> , 2015 , 65, e041	1.8	18
42	Effect of accelerated carbonation on the microstructure and physical properties of hybrid fiber-cement composites. <i>Minerals Engineering</i> , 2014 , 59, 101-106	4.9	63
41	Electrospinning of zein/tannin bio-nanofibers. <i>Industrial Crops and Products</i> , 2014 , 52, 298-304	5.9	51
40	Mineralogical and microstructural changes promoted by accelerated carbonation and ageing cycles of hybrid fiber/cement composites. <i>Construction and Building Materials</i> , 2014 , 68, 750-756	6.7	50
39	Effect of colloidal silica on the mechanical properties of fiber/cement reinforced with cellulosic fibers. <i>Journal of Materials Science</i> , 2014 , 49, 7497-7506	4.3	19
38	Impact of different silkworm dietary supplements on its silk performance. <i>Journal of Materials Science</i> , 2014 , 49, 6302-6310	4.3	11
37	Chemical treatment of banana tree pseudostem particles aiming the production of particleboards. <i>Ciencia E Agrotecnologia</i> , 2014 , 38, 43-49	1.6	6
36	Avaliação da qualidade da madeira de Coffea arabica L. como fonte de bioenergia. <i>Cerne</i> , 2014 , 20, 541-549	0.7	5
35	Evaluation of reaction factors for deposition of silica (SiO ₂) nanoparticles on cellulose fibers. <i>Carbohydrate Polymers</i> , 2014 , 114, 424-431	10.3	50
34	Inclusion of Lignocellulosic Fibers in Plastic Composites. <i>Key Engineering Materials</i> , 2014 , 600, 442-446	0.4	

33	New products made with lignocellulosic nanofibers from Brazilian amazon forest. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 64, 012012	0.4	9
32	NaOH Treatment Impact in the Dimensional Stability of Banana Pseudostem Particleboard Panels. <i>Key Engineering Materials</i> , 2014 , 600, 447-451	0.4	2
31	Different ageing conditions on cementitious roofing tiles reinforced with alternative vegetable and synthetic fibres. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014 , 47, 433-446	3.4	11
30	Resistência das madeiras de pinus, cedro australiano e seus produtos derivados ao ataque de <i>Cryptotermes brevis</i> . <i>Cerne</i> , 2014 , 20, 433-439	0.7	2
29	TPS/PCL Composite Reinforced with Treated Sisal Fibers: Property, Biodegradation and Water-Absorption. <i>Journal of Polymers and the Environment</i> , 2013 , 21, 1-7	4.5	39
28	Processing and dimensional changes of cement based composites reinforced with surface-treated cellulose fibres. <i>Cement and Concrete Composites</i> , 2013 , 37, 68-75	8.6	66
27	Improved durability of vegetable fiber reinforced cement composite subject to accelerated carbonation at early age. <i>Cement and Concrete Composites</i> , 2013 , 42, 49-58	8.6	89
26	Properties of an Amazonian vegetable fiber as a potential reinforcing material. <i>Industrial Crops and Products</i> , 2013 , 47, 43-50	5.9	20
25	Isocyanate-treated cellulose pulp and its effect on the alkali resistance and performance of fiber cement composites. <i>Holzforschung</i> , 2013 , 67, 853-861	2	25
24	Relation of transverse air permeability with physical properties in different compositions of sugarcane bagasse particleboards. <i>Materials Research</i> , 2013 , 16, 150-157	1.5	2
23	Técnicas multivariadas aplicadas à avaliação de resíduos lignocelulósicos para a produção de bioenergia. <i>Ciencia Florestal</i> , 2013 , 23,	1.1	5
22	Impact of bleaching pine fibre on the fibre/cement interface. <i>Journal of Materials Science</i> , 2012 , 47, 4167-4177	4.3	37
21	Lignocellulosic Composites Made from Agricultural and Forestry Wastes in Brazil. <i>Key Engineering Materials</i> , 2012 , 517, 556-563	0.4	9
20	Correlações canônicas entre as características químicas e energéticas de resíduos lignocelulósicos. <i>Cerne</i> , 2012 , 18, 433-439	0.7	12
19	Cellulose micro/nanofibres from Eucalyptus kraft pulp: preparation and properties. <i>Carbohydrate Polymers</i> , 2012 , 89, 80-8	10.3	211
18	Potential Use of Colloidal Silica in Cement Based Composites: Evaluation of the Mechanical Properties. <i>Key Engineering Materials</i> , 2012 , 517, 382-391	0.4	4
17	Extruded Cement Based Composites Reinforced with Sugar Cane Bagasse Fibres. <i>Key Engineering Materials</i> , 2012 , 517, 450-457	0.4	29
16	Processing Changes of Cement Based Composites Reinforced with Silane and Isocyanate Eucalyptus Modified Fibres. <i>Key Engineering Materials</i> , 2012 , 517, 437-449	0.4	1

15	Brazilian Lignocellulosic Wastes for Bioenergy Production: Characterization and Comparison with Fossil Fuels. <i>BioResources</i> , 2012 , 8,	1.3	30
14	Thermal performance of sisal fiber-cement roofing tiles for rural constructions. <i>Scientia Agricola</i> , 2011 , 68, 1-7	2.5	13
13	Effects of natural weathering on microstructure and mineral composition of cementitious roofing tiles reinforced with fique fibre. <i>Cement and Concrete Composites</i> , 2011 , 33, 225-232	8.6	65
12	Hybrid Reinforcement of Sisal and Polypropylene Fibers in Cement-Based Composites. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 177-187	3	32
11	Relaõ entre o poder calorífico superior e os componentes elementares e minerais da biomassa vegetal. <i>Pesquisa Florestal Brasileira</i> , 2011 , 31, 113-122	0.5	31
10	Surface properties of eucalyptus pulp fibres as reinforcement of cement-based composites. <i>Holzforschung</i> , 2010 , 64,	2	6
9	Eucalyptus pulp fibres as alternative reinforcement to engineered cement-based composites. <i>Industrial Crops and Products</i> , 2010 , 31, 225-232	5.9	82
8	Effect of accelerated carbonation on cementitious roofing tiles reinforced with lignocellulosic fibre. <i>Construction and Building Materials</i> , 2010 , 24, 193-201	6.7	100
7	Carbonataõ acelerada efetuada nas primeiras idades em compõsitos cimentícios reforçados com polpas celulósicas. <i>Ambiente Construído</i> , 2010 , 10, 233-246	0.4	9
6	Effect of fibre morphology on flocculation of fibre/cement suspensions. <i>Cement and Concrete Research</i> , 2009 , 39, 1017-1022	10.3	34
5	Cellulose modified fibres in cement based composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 2046-2053	8.4	145
4	Sisal organosolv pulp as reinforcement for cement based composites. <i>Materials Research</i> , 2009 , 12, 305-314	1.4	17
3	Desempenho de telhas de escãia de alto forno e fibras vegetais em protótipos de galpões. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2008 , 12, 536-539	0.9	8
2	Performance and Durability of Cement Based Composites Reinforced with Refined Sisal Pulp. <i>Materials and Manufacturing Processes</i> , 2007 , 22, 149-156	4.1	72
1	Procurement and Characterization of Biodegradable Films made from Blends of Eucalyptus, Pine and Cocoa Bean Shell Nanocelluloses. <i>Waste and Biomass Valorization</i> ,	3.2	1