

# Ademir Josã© Zattera

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3448051/publications.pdf>

Version: 2024-02-01

186  
papers

5,911  
citations

117453

34  
h-index

91712

69  
g-index

187  
all docs

187  
docs citations

187  
times ranked

6522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Native Cellulose: Structure, Characterization and Thermal Properties. <i>Materials</i> , 2014, 7, 6105-6119.	1.3	691
2	Thermal decomposition of wood: Influence of wood components and cellulose crystallite size. <i>Bioresource Technology</i> , 2012, 109, 148-153.	4.8	433
3	Thermal decomposition of wood: Kinetics and degradation mechanisms. <i>Bioresource Technology</i> , 2012, 126, 7-12.	4.8	243
4	Structural differences between wood species: Evidence from chemical composition, FTIR spectroscopy, and thermogravimetric analysis. <i>Journal of Applied Polymer Science</i> , 2012, 126, E337.	1.3	214
5	Influence of fiber content on the mechanical and dynamic mechanical properties of glass/ramie polymer composites. <i>Materials &amp; Design</i> , 2013, 47, 9-15.	5.1	194
6	Crystalline properties and decomposition kinetics of cellulose fibers in wood pulp obtained by two pulping processes. <i>Polymer Degradation and Stability</i> , 2011, 96, 679-685.	2.7	181
7	Assessment of Avrami, Ozawa and Avrami's Ozawa equations for determination of EVA crosslinking kinetics from DSC measurements. <i>Polymer Testing</i> , 2008, 27, 722-729.	2.3	133
8	Mechanical and dynamic mechanical analysis of hybrid composites molded by resin transfer molding. <i>Journal of Applied Polymer Science</i> , 2010, 118, 887-896.	1.3	123
9	Preparation and characterization of montmorillonite modified with 3-aminopropyltriethoxysilane. <i>Applied Clay Science</i> , 2014, 87, 46-51.	2.6	121
10	Influence of Stacking Sequence on the Mechanical and Dynamic Mechanical Properties of Cotton/Glass Fiber Reinforced Polyester Composites. <i>Materials Research</i> , 2016, 19, 542-547.	0.6	120
11	Correlation of the thermal stability and the decomposition kinetics of six different vegetal fibers. <i>Cellulose</i> , 2014, 21, 177-188.	2.4	99
12	Materials produced from plant biomass: Part I: evaluation of thermal stability and pyrolysis of wood. <i>Materials Research</i> , 2010, 13, 375-379.	0.6	96
13	Dynamic mechanical characterization of epoxy/epoxycyclohexyl POSS nanocomposites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 532, 339-345.	2.6	93
14	Characterization of composites based on expanded polystyrene wastes and wood flour. <i>Waste Management</i> , 2011, 31, 779-784.	3.7	92
15	Influence of fiber hybridization on the dynamic mechanical properties of glass/ramie fiber-reinforced polyester composites. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 1652-1661.	1.6	90
16	Dynamic-mechanical and thermomechanical properties of cellulose nanofiber/polyester resin composites. <i>Carbohydrate Polymers</i> , 2016, 136, 955-963.	5.1	89
17	Drying techniques applied to cellulose nanofibers. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 682-697.	1.6	86
18	Preparation and characterization of ramie-glass fiber reinforced polymer matrix hybrid composites. <i>Materials Research</i> , 2012, 15, 415-420.	0.6	79

#	ARTICLE	IF	CITATIONS
19	Producing aerogels from silanized cellulose nanofiber suspension. <i>Cellulose</i> , 2017, 24, 769-779.	2.4	78
20	The influence of silane surface modification on microcrystalline cellulose characteristics. <i>Carbohydrate Polymers</i> , 2020, 230, 115595.	5.1	65
21	Hybridization effect on the mechanical and dynamic mechanical properties of curaua composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7285-7289.	2.6	64
22	Materials produced from plant biomass: part II: evaluation of crystallinity and degradation kinetics of cellulose. <i>Materials Research</i> , 2012, 15, 421-427.	0.6	61
23	Effects of wood flour addition and coupling agent content on mechanical properties of recycled polystyrene/wood flour composites. <i>Journal of Thermoplastic Composite Materials</i> , 2012, 25, 821-833.	2.6	59
24	Nanofibrillated cellulose from tobacco industry wastes. <i>Carbohydrate Polymers</i> , 2016, 148, 69-77.	5.1	55
25	Sodium montmorillonite modified with methacryloxy and vinylsilanes: Influence of silylation on the morphology of clay/unsaturated polyester nanocomposites. <i>Applied Clay Science</i> , 2015, 114, 550-557.	2.6	53
26	Thermal degradation behavior of cellulose nanofibers and nanowhiskers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1867-1878.	2.0	52
27	Materials produced from plant biomass: part III: degradation kinetics and hydrogen bonding in lignin. <i>Materials Research</i> , 2013, 16, 1065-1070.	0.6	47
28	Cellulose/biochar aerogels with excellent mechanical and thermal insulation properties. <i>Cellulose</i> , 2019, 26, 9071-9083.	2.4	46
29	Effect of the epoxy-cyclohexyl polyhedral oligomeric silsesquioxane content on the dynamic fragility of an epoxy resin. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 427-432.	1.5	44
30	Recent studies on modified cellulose/nanocellulose epoxy composites: A systematic review. <i>Carbohydrate Polymers</i> , 2021, 255, 117366.	5.1	44
31	Sorption capacity of hydrophobic cellulose cryogels silanized by two different methods. <i>Cellulose</i> , 2017, 24, 3421-3431.	2.4	41
32	Effect of cellulose nanowhiskers functionalization with polyaniline for epoxy coatings. <i>Applied Surface Science</i> , 2016, 364, 124-132.	3.1	40
33	Degradation of <sc>PLA</sc> and <sc>PLA</sc> in composites with triacetin and buriti fiber after 600 days in a simulated marine environment. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	39
34	Effect of nanocellulose fibers and acetylated nanocellulose fibers on properties of poly(ethyleneâ€‹i>co</i>â€‹i>vinyl acetate) foams. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	38
35	Oils sorption on hydrophobic nanocellulose aerogel obtained from the wood furniture industry waste. <i>Cellulose</i> , 2018, 25, 3105-3119.	2.4	38
36	Polyester-based powder coatings with montmorillonite nanoparticles applied on carbon steel. <i>Progress in Organic Coatings</i> , 2012, 73, 42-46.	1.9	37

#	ARTICLE	IF	CITATIONS
37	Characterization of composites based on recycled expanded polystyrene reinforced with curaua fibers. <i>Journal of Applied Polymer Science</i> , 2013, 128, 653-659.	1.3	35
38	Devulcanization of ethylene- <i>propylene</i> - <i>diene</i> polymer residues by microwave- <i>Influence of the presence of paraffinic oil</i> . <i>Polymer Engineering and Science</i> , 2011, 51, 697-703.	1.5	34
39	Thermal behavior and the compensation effect of vegetal fibers. <i>Cellulose</i> , 2014, 21, 189-201.	2.4	32
40	Characterization of polystyrene nanocomposites and expanded nanocomposites reinforced with cellulose nanofibers and nanocrystals. <i>Cellulose</i> , 2019, 26, 4417-4429.	2.4	32
41	Polyaniline coated core-shell polyacrylates: Control of film formation and coating application for corrosion protection. <i>Progress in Organic Coatings</i> , 2019, 128, 40-51.	1.9	32
42	The influence of wood flour particle size and content on the rheological, physical, mechanical and morphological properties of EVA/wood cellular composites. <i>Materials &amp; Design</i> , 2014, 57, 660-666.	5.1	31
43	Synthesis and characterization of thermoplastic polyurethane/nanoclay composites. <i>Materials Science and Engineering C</i> , 2009, 29, 474-478.	3.8	30
44	Effect of stacking sequence and porosity on creep behavior of glass/epoxy and carbon/epoxy hybrid laminate composites. <i>Composites Communications</i> , 2020, 19, 210-219.	3.3	30
45	Influence of physical interaction between organoclay and poly(ethylene-co-vinyl acetate) matrix and effect of clay content on rheological melt state. <i>Polymer</i> , 2010, 51, 5165-5171.	1.8	29
46	Cellulose Nanowhiskers Extracted from Tempo-Oxidized Curaua Fibers. <i>Journal of Natural Fibers</i> , 2020, 17, 1355-1365.	1.7	29
47	Thermal characterization of oil extracted from ethylene- <i>propylene</i> - <i>diene</i> terpolymer residues (EPDM-r). <i>Thermochimica Acta</i> , 2010, 510, 93-96.	1.2	28
48	Composites of Recycled PET Reinforced with Short Glass Fiber. <i>Journal of Thermoplastic Composite Materials</i> , 2012, 25, 747-764.	2.6	28
49	Effect of clay silylation on curing and mechanical and thermal properties of unsaturated polyester/montmorillonite nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 87, 9-15.	1.9	28
50	Influence of calcium carbonate on RTM and RTM light processing and properties of molded composites. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1213-1221.	1.6	27
51	Efeito do tratamento alcalino de fibras de curaua sobre as propriedades de compósitos de matriz biodegradável. <i>Polimeros</i> , 2014, 24, 388-394.	0.2	27
52	Caracterização de resinas de copolímeros de etileno-acetato de vinila - EVA. <i>Polimeros</i> , 2005, 15, 73-78.	0.2	26
53	Microstructure and Crystallization Kinetics of Polyurethane Thermoplastics Containing Trisilanol Isobutyl POSS. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-8.	1.5	26
54	Crosslinking Kinetics of Blends of Ethylene Vinyl Acetate and Ground Tire Rubber. <i>Journal of Elastomers and Plastics</i> , 2009, 41, 175-189.	0.7	25

#	ARTICLE	IF	CITATIONS
55	Influence of a microcomposite and a nanocomposite on the properties of an epoxy-based powder coating. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 6769-6775.	2.6	25
56	Thermoplastic polyurethane synthesis using POSS as a chain modifier. <i>Materials Research</i> , 2012, 15, 698-704.	0.6	25
57	Analysis of curaua/glass hybrid interlayer laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 472-478.	1.6	25
58	Mechanical and dynamic mechanical properties of polystyrene composites reinforced with cellulose fibers. <i>Journal of Thermoplastic Composite Materials</i> , 2017, 30, 1242-1254.	2.6	24
59	A study on adsorption isotherm and kinetics of petroleum by cellulose cryogels. <i>Cellulose</i> , 2019, 26, 1231-1246.	2.4	24
60	Effect of natural oils on the thermal stability and degradation kinetics of recycled polypropylene wood flour composites. <i>Polymer Composites</i> , 2014, 35, 1935-1942.	2.3	23
61	Degradation kinetic of epoxy nanocomposites containing different percentage of epoxy-cyclohexyl-POSS. <i>Polymer Composites</i> , 2012, 33, 1224-1232.	2.3	22
62	Dynamic mechanical analysis of recycled polystyrene composites reinforced with wood flour. <i>Journal of Applied Polymer Science</i> , 2012, 125, 935-942.	1.3	22
63	Recycling and reuse of waste from electricity distribution networks as reinforcement agents in polymeric composites. <i>Waste Management</i> , 2013, 33, 1667-1674.	3.7	21
64	Effects of alkaline treatment and kinetic analysis of agroindustrial residues from grape stalks and yerba mate fibers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3275-3286.	2.0	21
65	Characterization of ground SBR scraps from shoe industry. <i>Materials Research</i> , 2008, 11, 81-84.	0.6	20
66	Mechanical and dynamic mechanical properties of silane-treated graphite nanoplatelet/epoxy composites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46724.	1.3	20
67	Dynamic mechanical properties of curaua composites. <i>Journal of Applied Polymer Science</i> , 2012, 125, E110.	1.3	19
68	Effect of curaua fiber content on the properties of poly(hydroxybutyrate-co-valerate) composites. <i>Polymer Composites</i> , 2013, 34, 450-456.	2.3	19
69	Thermal and Mechanical Investigation of Interlaminar Glass/Curaua Hybrid Polymer Composites. <i>Journal of Natural Fibers</i> , 2017, 14, 271-277.	1.7	19
70	Poly(lactic acid) foams reinforced with cellulose micro and nanofibers and foamed by chemical blowing agents. <i>Journal of Cellular Plastics</i> , 2018, 54, 577-596.	1.2	19
71	Influence of the Addition of Montmorillonite in an Epoxy Powder Coating Applied on Carbon Steel. <i>Materials Research</i> , 2015, 18, 897-903.	0.6	18
72	From cellulose to graphene-like porous carbon nanosheets. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111217.	2.2	18

#	ARTICLE	IF	CITATIONS
73	Influence of Composition and Crosslinking on Mechanical and Thermal Properties of Recycled Polyethylene/EVA Mixtures. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2006, 22, 69-87.	0.8	17
74	Obtenção e caracterização de compósitos utilizando poliestireno como matriz e resíduos de fibras de algodão da indústria têxtil como reforço. <i>Polimeros</i> , 2011, 21, 271-279.	0.2	17
75	Observations of the effects of different chemical blowing agents on the degradation of poly(lactic acid)/poly(ethylene terephthalate) composites. <i>Journal of Applied Polymer Science</i> , 2017, 121, 4314-4321.	0.6	17
76	Dynamic mechanical properties and correlation with dynamic fragility of sisal reinforced composites. <i>Polymer Composites</i> , 2015, 36, 161-166.	2.3	17
77	Influence of Fibre Treatment on the Characteristics of Buriti and Ramie Polyester Composites. <i>Polymers and Polymer Composites</i> , 2017, 25, 247-256.	1.0	17
78	Effect of addition of clay minerals on the properties of epoxy/polyester powder coatings. <i>Polimeros</i> , 2018, 28, 355-367.	0.2	17
79	Characterization of EVA Residues from the Shoe Industry and Post-Consumer Urban-Waste Polyethylenes. <i>Frontiers in Forests and Global Change</i> , 2005, 24, 139-158.	0.6	16
80	Relationship between processing method and microstructural and mechanical properties of poly(ethylene terephthalate)/short glass fiber composites. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3266-3274.	1.3	16
81	Biodegradable composites: Morphological, chemical, thermal, and mechanical properties of composites of poly(hydroxybutyrate-co-hydroxyvalerate) with curaua fibers after exposure to simulated soil. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	16
82	Production of Carbon Foams from Rice Husk. <i>Materials Research</i> , 2019, 22, .	0.6	16
83	Characterization of hybrid composites produced with mats made using different methods. <i>Materials Research</i> , 2009, 12, 433-436.	0.6	15
84	Degradation kinetics of ethylene propylene diene terpolymer residues devulcanized by microwaves. <i>Journal of Elastomers and Plastics</i> , 2014, 46, 69-83.	0.7	15
85	Isolation and Characterisation of Cellulose Nanowhiskers from Microcrystalline Cellulose Using Mechanical Processing. <i>Polymers and Polymer Composites</i> , 2017, 25, 563-570.	1.0	15
86	Investigation of cure kinetics in epoxy/multiwalled carbon nanotube nanocomposites. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	14
87	Textile waste as precursors in nanocrystalline cellulose synthesis. <i>Cellulose</i> , 2021, 28, 6967-6981.	2.4	14
88	Influência do Tratamento Químico da Fibra de Bananeira em Compósitos de Poli(etileno-co-acetato de) Tj ETQq0,0,0 rgBT /Overlock 14	0,2	14
89	Desvulcanização do resíduo de terpolímero de etileno-propileno-dieno (EPDM-r) por micro-ondas. <i>Polimeros</i> , 2010, 20, 165-169.	0.2	13
90	Dynamic Vulcanization of HDPE/EVA Blend Using Silane. <i>Journal of Elastomers and Plastics</i> , 2010, 42, 561-575.	0.7	13

#	ARTICLE	IF	CITATIONS
91	The photodegradation and biodegradation of rEPS/curaua fiber composites. <i>Polymer Composites</i> , 2013, 34, 967-977.	2.3	13
92	Effect of sonication and clay content on the properties of unsaturated polyester/montmorillonite nanocomposites. <i>Journal of Composite Materials</i> , 2017, 51, 187-197.	1.2	13
93	Development of acrylic-based powder coatings with incorporation of montmorillonite clays. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45031.	1.3	13
94	Aerogel preparation from short cellulose nanofiber of the <i>Eucalyptus</i> species. <i>Journal of Cellular Plastics</i> , 2017, 53, 503-512.	1.2	13
95	Mechanical and ballistic analysis of aramid/vinyl ester composites. <i>Journal of Composite Materials</i> , 2018, 52, 289-299.	1.2	13
96	Degradation kinetics and lifetime prediction for polystyrene/nanocellulose nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 879-890.	2.0	13
97	Enhancing thermal and dynamic-mechanical properties of epoxy reinforced by amino-functionalized microcrystalline cellulose. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51329.	1.3	13
98	Comparative analysis among coating methods of flexible polyurethane foams with graphene oxide. <i>Journal of Molecular Liquids</i> , 2018, 271, 74-79.	2.3	12
99	The role of CaO and its influence on chlorine during the thermochemical conversion of shredder residue. <i>Chemical Engineering Research and Design</i> , 2019, 122, 58-67.	2.7	12
100	Cellulose/Biochar Cryogels: A Study of Adsorption Kinetics and Isotherms. <i>Langmuir</i> , 2021, 37, 3180-3188.	1.6	12
101	Thermal, Chemical, and Morphological Characterization of Microcellular Polyurethane Elastomers. <i>Journal of Elastomers and Plastics</i> , 2009, 41, 323-338.	0.7	11
102	Degradation kinetics of vulcanized ethylene-propylene diene terpolymer residues. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1053-1057.	1.3	11
103	Performance of poly(ethylene-co vinyl acetate) nanocomposites using distinct clays. <i>Journal of Applied Polymer Science</i> , 2012, 125, E462.	1.3	11
104	Influence of chemical treatments on cellulose fibers for use as reinforcements in poly(ethylene-co vinyl acetate) composites. <i>Polymer Composites</i> , 2016, 37, 1991-2000.	2.3	11
105	Mechanical and dynamic-mechanical properties of silanized graphene oxide/epoxy composites. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	11
106	Carbon foam production by biomass pyrolysis. <i>Journal of Porous Materials</i> , 2020, 27, 1119-1125.	1.3	11
107	Kinetic evaluation of tobacco stalk waste exposed to alkaline surface treatment under different conditions. <i>Cellulose</i> , 2021, 28, 2053-2073.	2.4	11
108	Caracterização de compósitos produzidos com polietileno de alta densidade (HDPE) e serragem da indústria moveleira. <i>Revista Arvore</i> , 2008, 32, 299-310.	0.5	10

#	ARTICLE	IF	CITATIONS
109	Mechanical behavior and correlation between dynamic fragility and dynamic mechanical properties of curaua fiber composites. <i>Polymer Composites</i> , 2013, 35, n/a-n/a.	2.3	10
110	Behavior in simulated soil of recycled expanded polystyrene/waste cotton composites. <i>Materials Research</i> , 2014, 17, 275-283.	0.6	10
111	Obtençãõ de espumas flexãveis de poliuretano com celulose de <i>Pinus elliottii</i> . <i>Polimeros</i> , 2017, 27, 27-34.	0.2	10
112	Effect of the Incorporation of Micro and Nanocellulose Particles on the Anticorrosive Properties of Epoxy Coatings Applied on Carbon Steel. <i>Materials Research</i> , 2018, 21, .	0.6	10
113	Grape stalk fibers as reinforcing filler for polymer composites with a polystyrene matrix. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47427.	1.3	10
114	Thermal and dynamic mechanical behavior of epoxy composites reinforced with postãconsumed yerba mate. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50438.	1.3	10
115	New Reclaiming Process of Thermoset Polyurethane Foam and Blending with Polyamide-12 and Thermoplastic Polyurethane. <i>Journal of Elastomers and Plastics</i> , 2009, 41, 303-322.	0.7	9
116	Influence of glass and sisal fibers on the cure kinetics of unsaturated polyester resin. <i>Materials Research</i> , 2012, 15, 650-656.	0.6	9
117	Poly(3-hydroxybutyrate- <i>co</i> -3-hydroxyvalerate)/wood powder biocomposites: Thermal and mechanical properties and water absorption profile. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 741-748.	1.6	9
118	Effect of glycidylisobutylãPOSS on the thermal degradation of the epoxy resin. <i>Journal of Materials Science</i> , 2015, 50, 3697-3705.	1.7	9
119	The physical perspective on the solid and molten states associated with the mechanical properties of ecoãfriendly HDPE/ <i>sc</i> <i>p</i> <i>P</i> <i>sc</i> <i>p</i> <i>in</i> us taeda/ <i>i</i> woodãplastic composites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	9
120	Thermal and fire retardancy studies of clayãmodified unsaturated polyester/glass fiber composites. <i>Polymer Composites</i> , 2017, 38, 2743-2752.	2.3	9
121	Evaluation of the Mechanic and Electrochemical Properties of an Epoxy Coating with Addition of Different Polyhedral Oligomeric Silsesquioxanes (POSS) Applied on Substrate of Low Alloy Steel. <i>Materials Research</i> , 2017, 20, 1388-1401.	0.6	9
122	A study of paint sludge deactivation by pyrolysis reactions. <i>Brazilian Journal of Chemical Engineering</i> , 2003, 20, 63-68.	0.7	9
123	Comparative study between poly(ethylene-co-vinyl acetate) - EVA expanded composites filled with banana fiber and wood flour. <i>Materials Research</i> , 2014, 17, 1535-1544.	0.6	8
124	Sorbent system based on organosilane-coated polyurethane foam for oil spill clean up. <i>Polymer Bulletin</i> , 2021, 78, 1423-1440.	1.7	8
125	Silica aerogel reinforced with cellulose nanofibers. <i>Journal of Porous Materials</i> , 2021, 28, 1325-1333.	1.3	8
126	Extraction of Nanocellulose from Yerba Mate Residues Using Steam Explosion, TEMPO-mediated Oxidation and Ultra-fine Friction Grinding. <i>Journal of Natural Fibers</i> , 2022, 19, 10539-10549.	1.7	8



#	ARTICLE	IF	CITATIONS
127	Grafting amount and structural characteristics of microcrystalline cellulose functionalized with different aminosilane contents. <i>Cellulose</i> , 2022, 29, 3209-3224.	2.4	8
128	The influence of ionic liquid concentration on microcrystalline cellulose modification. <i>Carbohydrate Polymer Technologies and Applications</i> , 2022, 3, 100211.	1.6	8
129	Hybridization effect of functionalized microcrystalline cellulose and liquid acrylonitrile butadiene rubber on epoxy. <i>Journal of Composite Materials</i> , 2022, 56, 2867-2877.	1.2	8
130	Tensile behavior analysis combined with digital image correlation and mechanical and thermal properties of microfibrillated cellulose fiber/ polylactic acid composites. <i>Polymer Testing</i> , 2022, 113, 107665.	2.3	8
131	Effects of the incorporation of low molecular weight diurethanes on thermal and rheological properties of thermoplastic polyurethane. <i>Journal of Applied Polymer Science</i> , 2009, 112, 2896-2905.	1.3	7
132	Modification of physical properties of thermoplastic polyurethane by incorporation of low molecular weight diurethanes. <i>Polymer Engineering and Science</i> , 2010, 50, 2321-2328.	1.5	7
133	Influence of synthesis temperature on thermal properties of thermoplastic polyurethane prepared by torque rheometer. <i>Polymer Engineering and Science</i> , 2012, 52, 1678-1684.	1.5	7
134	Development and Characterization of PLA/Buriti Fibre Composites – Influence of Fibre and Coupling Agent Contents. <i>Polymers and Polymer Composites</i> , 2017, 25, 143-152.	1.0	7
135	Effect of molecular structures on static and dynamic compression properties of clay and amphiphilic clay/carbon nanofibers used as fillers in UHMWPE/composites for high energy impact loading. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47094.	1.3	7
136	Development of multilaminar composites for vehicular ballistic protection using ultra-high molecular weight polyethylene laminates and aramid fabrics. <i>Journal of Composite Materials</i> , 2019, 53, 1907-1916.	1.2	7
137	Experimental and artificial neural network approach for prediction of dynamic mechanical behavior of sisal/glass hybrid composites. <i>Polymers and Polymer Composites</i> , 2021, 29, S1033-S1043.	1.0	7
138	Influence of the functionality of polyhedral oligomeric silsesquioxane – POSS containing glycidyl groups on the dispersion and interaction with epoxy nanocomposites. <i>Polymer Composites</i> , 2017, 38, E229.	2.3	6
139	Sorbent system based on acetylated microfibrillated cellulose for remediation of oil aquatic environments. <i>Revista Materia</i> , 2019, 24, .	0.1	6
140	Influência da Espessura nas Propriedades Mecânicas de Compósitos Híbridos Interlaminares de Curauã / Vidro / Poliéster. <i>Polimeros</i> , 2014, 24, 184-189.	0.2	6
141	Thermal and Mechanical Characterization of a Terpolymer Mixture of Devulcanized Recycled Ethylene-Propylene-Diene and Low-density Polyethylene. <i>Journal of Elastomers and Plastics</i> , 2010, 42, 417-431.	0.7	5
142	Use of EPDMSDD as compatibilizer agent for EPDM/EPDMR blends: Rheologic, mechanical, and morphologic properties. <i>Journal of Applied Polymer Science</i> , 2011, 122, 948-955.	1.3	5
143	Polymerization kinetics of polyurethanes containing trisilanol isooctyl polyhedral oligomeric silsesquioxane. <i>Journal of Elastomers and Plastics</i> , 2014, 46, 594-610.	0.7	5
144	Nanocomposites foams of poly(ethylene-co-vinyl acetate) with short and long nanocellulose fibers and foaming with supercritical CO <sub>2</sub> . <i>Polymer Bulletin</i> , 2018, 75, 1789-1807.	1.7	5

#	ARTICLE	IF	CITATIONS
145	Obtaining Hydrophobic Aerogels of Unbleached Cellulose Nanofibers of the Species <i>Eucalyptus</i> sp. and <i>Pinus elliottii</i> . Journal of Nanomaterials, 2018, 2018, 1-11.	1.5	5
146	Influence on the cross-linking and plasticization degree of poly(ethylene-co-vinyl acetate) and evaluation of expansion capacity to the production of foams with supercritical CO <sub>2</sub> . Progress in Rubber, Plastics and Recycling Technology, 2019, 35, 23-40.	0.8	5
147	The effect of fluorination of aramid fibers on vinyl ester composites. Polymer Composites, 2019, 40, 2095-2102.	2.3	5
148	Avaliação das propriedades mecânicas e morfológicas de compósitos de PEAD com pó de Pinus taeda e alumina calcinada. Polimeros, 2015, 25, 408-413.	0.2	4
149	Influence of different concentrations of glycidylisobutyl-POSS on the glass transition of cured epoxy resin. Journal of Applied Polymer Science, 2015, 132, .	1.3	4
150	Dynamic mechanical properties and the dynamic fragility concept applied to vegetal fiber on vegetal composite materials. Journal of Composite Materials, 2016, 50, 2469-2475.	1.2	4
151	Influence of cellulose nanofiber content on the expansion of polystyrene nanocomposites expanded by supercritical CO <sub>2</sub> . Polymer Bulletin, 2018, 75, 5809-5824.	1.7	4
152	Performance evaluation of natural catalysts during the thermochemical conversion of poultry litter. Chemical Engineering Research and Design, 2019, 131, 144-151.	2.7	4
153	Production and characterization of cellulose nanocrystals/ acrylonitrile butadiene styrene nanocomposites. Journal of Composite Materials, 2020, 54, 4207-4214.	1.2	4
154	Characterization of expanded polystyrene and its composites by supercritical carbon dioxide foaming approach. Journal of Porous Materials, 2021, 28, 1081-1095.	1.3	4
155	Changes in the rheometric, morphological and mechanical properties of nitrile rubber composites by the use of different concentrations of cellulose nanofibers. Journal of Elastomers and Plastics, 2021, 53, 1138-1155.	0.7	4
156	Comportamento térmico de compósitos de poliestireno reciclado reforçado com celulose de bagaço de cana. Revista Materia, 2019, 24, .	0.1	4
157	Thermal Degradation Kinetics and Lifetime Prediction of Cellulose Biomass Cryogels Reinforced by its Pyrolysis Waste. Materials Research, 0, 25, .	0.6	4
158	Morphological Analysis of Polyethylene Foams with Post-use Material Incorporated. Polymer Bulletin, 2007, 59, 83-90.	1.7	3
159	Epoxy-Montmorillonite Nanocomposites Applied to Powder Coatings. International Polymer Processing, 2011, 26, 478-483.	0.3	3
160	Influence of Processing Conditions on Productivity, Thermal and Rheological Properties of Reprocessed Low Density Polyethylene. International Polymer Processing, 2011, 26, 383-387.	0.3	3
161	Influence of screw speed on the mechanical and rheological properties of poly(ethylene-co -vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	3
162	Influence of the Type of Epoxy Resin and Concentration of Glycidylisobutyl-POSS in the Properties of Nanocomposites. Polymers and Polymer Composites, 2017, 25, 593-602.	1.0	3

#	ARTICLE	IF	CITATIONS
163	Evaluation of the degradation of HDPE hybrid composites using wood flour from CCA-treated poles, and recycled ceramic insulators. <i>Journal of Thermoplastic Composite Materials</i> , 2019, 32, 1677-1690.	2.6	3
164	Effect of carbonaceous nanofillers and triblock copolymers on the toughness of epoxy resin. <i>Polymer Bulletin</i> , 2020, 78, 5467.	1.7	3
165	Influence of surface treatments and coupling agents on the thermal and thermo-mechanical properties of yerba mate/post-consumer polypropylene composites. <i>Polymer Composites</i> , 2021, 42, 4596-4606.	2.3	3
166	Effect of different surface treatments on polypropylene composites reinforced with yerba mate fibers: Physical, mechanical, chemical, and morphological properties. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51350.	1.3	3
167	Thermal Degradation of Thermosetting Nanocomposites. <i>Engineering Materials</i> , 2015, , 51-79.	0.3	3
168	Green compounds of SBR with nanofibrilated cellulose and palm oil in replacement to traditionally compounds used. <i>Journal of Elastomers and Plastics</i> , 2022, 54, 635-655.	0.7	3
169	CO2 adsorption by cryogels produced from poultry litter wastes. <i>Polimeros</i> , 2022, 32, .	0.2	3
170	Efeito da concentraçãõ de segmentos rãgidos nas propriedades fãtico-mecãnicas, quãmicas e na morfologia de elastãmeros microcelulares de poliuretano. <i>Polimeros</i> , 2007, 17, 234-239.	0.2	2
171	Estudo do reprocessamento de polietileno de baixa densidade (PEBD) reciclado do processamento de extrusãõ de filmes tubulares. <i>Polimeros</i> , 2010, 20, 269-274.	0.2	2
172	Efeito de EPDM modificado nas propriedades mecãnicas e no processamento de composiãões de EPDM contendo resãduo de EPDMR. <i>Polimeros</i> , 2012, 22, 22-27.	0.2	2
173	Thermal and Rheological Properties of Poly(ethylene-co-vinyl acetate) (EVA) Nanoclay. , 2014, , 129-152.		2
174	Study on the recycling of waste PVC compounds from electrical wires. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	2
175	Desenvolvimento de biocompãsites de poli(L-ãcido lãctico) (PLLA) com serragem de madeira. <i>Revista Materia</i> , 2017, 22, .	0.1	2
176	Influence of the incorporation of different chemically functionalized carbon nanotubes in polyurethane resin applied on aluminum. <i>Journal of Polymer Engineering</i> , 2019, 39, 762-768.	0.6	2
177	Influence of the addition of carbon structures in cellulose cryogels. <i>Journal of Porous Materials</i> , 2021, 28, 279-288.	1.3	2
178	Thermal properties and curing kinetics of epoxy powder coatings containing graphene nanoplatelets. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1946-1955.	1.2	2
179	The Use of the Artificial Neural Network (ANN) for Modeling of Thermogravimetric Curves of Tobacco Stalk Waste Exposed to Alkaline Treatment. <i>Journal of Natural Fibers</i> , 2022, 19, 12119-12128.	1.7	2
180	Mechanical properties of foams comprising virgin and waste polyethylene. <i>Polymer Bulletin</i> , 2007, 59, 677-683.	1.7	1

#	ARTICLE	IF	CITATIONS
181	Influence of different organomodified clays on the viscoelastic response of ethylene vinyl acetate//poly(vinyl chloride)/organoclay nanocomposites. <i>Journal of Elastomers and Plastics</i> , 2015, 47, 636-646.	0.7	1
182	Propriedades térmicas de compósitos de acrilonitrila-butadieno-estireno (ABS) e fibras de celulose modificadas com nanopartículas de sílica (SiO <sub>2</sub> ). <i>Revista Materia</i> , 2020, 25, .	0.1	1
183	Epoxy resin/graphene nanoplatelets composites applied to galvanized steel with outstanding microwave absorber performance. <i>Journal of Polymer Engineering</i> , 2022, 42, 695-702.	0.6	1
184	Evaluation of mechanical properties and physical interactions of a ternary blend of poly(ethylene-co-octene)/poly(ethylene-co-vinyl acetate)/poly(vinyl chloride) in the molten state. <i>Journal of Applied Polymer Science</i> , 2013, 129, 1117-1123.	1.3	0
185	INFLUENCE OF COCONUT SHELL ADDITION ON PHYSICO-MECHANICAL PROPERTIES OF WOOD PLASTIC COMPOSITES1. <i>Revista Arvore</i> , 2017, 41, .	0.5	0
186	Analysis of Compression Resistance and Oil Adsorption Capacity of Cellulose/NaOH Cryogels. <i>Journal of Renewable Materials</i> , 2019, 7, 227-234.	1.1	0