

Laura H De Carvalho

List of Publications by Year in descending order

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83
papers

1,528
citations

331670

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361022

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86
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docs citations

86
times ranked

1551
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of composition on permeability, mechanical properties and biodegradation of PBAT/PCL blends films. <i>Polymer Bulletin</i> , 2022, 79, 5327-5338.	3.3	11
2	Rheological, thermal and mechanical characterization of PBAT/PCL/Stearates blends. <i>Research, Society and Development</i> , 2022, 11, e47811326630.	0.1	2
3	Thermal and Rheological Characterization of Recycled PET/Virgin HDPE Blend Compatibilized with PE-g-MA and an Epoxy Chain Extender. <i>Polymers</i> , 2022, 14, 1144.	4.5	6
4	Crystallization behavior of polycaprolactone/babassu compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2963-2972.	3.6	10
5	Characterization of Poly(Ethylene Terephthalate) by Torque Rheometry. <i>Materials Research</i> , 2021, 24, .	1.3	14
6	Preparation and characterization of polymeric films based on PLA, PBAT and corn starch and babassu mesocarp starch by flat extrusion. <i>Materials Research Express</i> , 2021, 8, 035305.	1.6	17
7	Rheological, thermal and morphological properties of polyethylene terephthalate/polyamide 6/ rice husk ash composites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50916.	2.6	8
8	Resin flow analysis during RTM Manufacturing of GFRP composites containing embedded impermeable inserts. <i>Research, Society and Development</i> , 2021, 10, e10410615362.	0.1	0
9	The effect of clay organophilization on wood plastic composite (WPC) based on recycled high density polyethylene (HDPE) and coir fiber. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2021, 37, 394-411.	1.8	2
10	Development of a smart system for diagnosing the operating conditions of a helicopter prototype via vibrations analysis. <i>Research, Society and Development</i> , 2021, 10, e304101220546.	0.1	4
11	Effect of Reprocessing Cycles on the Morphology and Mechanical Properties of a Poly(Propylene)/Poly(Hydroxybutyrate) Blend and its Nanocomposite. <i>Materials Research</i> , 2021, 24, .	1.3	8
12	Effect of filler type on properties of PBAT/organoclay nanocomposites. <i>Polymer Bulletin</i> , 2020, 77, 901-917.	3.3	14
13	Properties of Biodegradable Films Based on Poly(butylene Succinate) (PBS) and Poly(butylene Terephthalate) (PBT) Blends. <i>Journal of Applied Polymer Science</i> , 2020, 135, 4750-4760.	4.5	95
14	Eco-Friendly Metamaterial Antenna for 2.4GHz WLAN Applications. <i>Research, Society and Development</i> , 2020, 9, e20200909000057.	0.7	3
15	Influence of Gamma Radiation on the Properties of Biodegradable PBAT/PCL/Poly (butylene Adipate) Blends. <i>Journal of Applied Polymer Science</i> , 2020, 135, 4750-4760.	0.7	3
16	Morphological, structural, thermal properties of a native starch obtained from babassu mesocarp for food packaging application. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15670-15678.	5.8	33
17	Fungal degradation of reprocessed PP/PBAT/thermoplastic starch blends. <i>Journal of Materials Research and Technology</i> , 2020, 9, 2338-2349.	5.8	33
18	Effects of weathering on mechanical and morphological properties cork filled green polyethylene eco-composites. <i>Polimeros</i> , 2020, 30, .	0.7	6

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19	PBAT/organoclay composite films part 2: effect of UV aging on permeability, mechanical properties and biodegradation. <i>Polymer Bulletin</i> , 2019, 76, 291-301.	3.3	24
20	Rheological and thermal characterization of PCL/PBAT blends. <i>Polymer Bulletin</i> , 2019, 76, 1573-1593.	3.3	33
21	Rheological characteristics PBAT/organoclay compounds. <i>REM: International Engineering Journal</i> , 2019, 72, 243-250.	0.4	0
22	Biodegradation of mulch films from poly(butylene adipate-co-terephthalate), carnauba wax, and sugarcane residue. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48240.	2.6	25
23	Evaluation of the morphology, mechanical and thermal properties of cork and green polyethylene ecocomposites. <i>Materials Research Express</i> , 2019, 6, 095331.	1.6	5
24	Heat transfer coefficient in internal mixers for different polymers and processing conditions. <i>Chemical Engineering Research and Design</i> , 2019, 152, 466-473.	5.6	1
25	Melt and cold crystallization in a poly(3-hydroxybutyrate) poly(butylene adipate-co-terephthalate) blend. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 1341-1346.	3.6	7
26	Effects of the type of processing on thermal, morphological and acoustic properties of syntactic foams. <i>Composites Part B: Engineering</i> , 2019, 173, 106933.	12.0	16
27	Thermal behavior of biodegradable bionanocomposites: influence of bentonite and vermiculite clays. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3234-3243.	5.8	15
28	Tayloring PS/PCL blends: characteristics of processing and properties. <i>REM: International Engineering Journal</i> , 2019, 72, 87-95.	0.4	6
29	Effect of Babassu Mesocarp Incorporation on the Biodegradation of a PBAT/TPS Blend. <i>Macromolecular Symposia</i> , 2019, 383, 1800043.	0.7	8
30	Tayloring PBAT/PLA/Babassu films for suitability of agriculture mulch application. <i>Journal of Natural Fibers</i> , 2019, 16, 933-943.	3.1	51
31	Polycaprolactone/babassu compounds: Rheological, thermal, and morphological characteristics. <i>Polymer Composites</i> , 2019, 40, E540.	4.6	13
32	Preparation of Syntactic Foams made from Green Polyethylene and Glass Microspheres: Morphological and Mechanical Characterization. <i>Materials Research</i> , 2019, 22, .	1.3	3
33	Influence of Carnauba Wax on Films of Poly (Butylene Adipate Co-Terephthalate) and Sugarcane Residue for Application in Soil Cover (Mulching). <i>Materials Research</i> , 2019, 22, .	1.3	6
34	Avaliação do efeito do tratamento a plasma sobre a superfície de filmes de polietileno verde e argila vermiculita. <i>Revista Materia</i> , 2019, 24, .	0.2	0
35	Degradation during processing of vegetable fiber compounds based on PBAT/PHB blends. <i>Polymer Testing</i> , 2018, 69, 266-275.	4.8	22
36	Effect of Babassu Natural Filler on PBAT/PHB Biodegradable Blends: An Investigation of Thermal, Mechanical, and Morphological Behavior. <i>Materials</i> , 2018, 11, 820.	2.9	30

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37	Rheological, mechanical and morphological properties of poly(butylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (adipate- Polymer Testing, 2018, 70, 281-288.	4.8	26
38	PBAT/organoclay composite films: preparation and properties. Polymer Bulletin, 2017, 74, 4423-4436.	3.3	32
39	Biodegradability of and interaction in the packaging of poly(3-hydroxybutyrate-co-3-hydroxyvalerate)-vermiculite bionanocomposites. Journal of Applied Polymer Science, 2017, 134, .	2.6	4
40	Degradation and recovery in poly(butylene adipate-co-terephthalate)/ thermoplastic starch blends. Polymer Testing, 2017, 58, 166-172.	4.8	48
41	PHB/Bentonite Compounds. Effect of Clay Modification and Thermal Aging on Properties. Materials Research, 2017, 20, 1503-1510.	1.3	6
42	The influence of natural clay and organoclay vermiculite on the formation process of bionanocomposites with poly (3-hydroxybutyrate-co-3-hydroxyvalerate). Revista Materia, 2017, 22, .	0.2	4
43	Caracteriza�o de comp�sitos obtidos a partir de pol�mero biodegrad�vel e casca de arroz utilizando duas t�cnicas de processamento. Revista Materia, 2016, 21, 391-406.	0.2	5
44	Thermal evaluation of PHB/PP-g-MA blends and PHB/PP-g-MA/vermiculite bionanocomposites after biodegradation test. Polymer Engineering and Science, 2016, 56, 555-560.	3.1	14
45	Mechanical behavior of composites reinforced with fibers caroa. Fibers and Polymers, 2016, 17, 1908-1915.	2.1	3
46	Assessment of the Morphology and Interaction of PHBV/Clay Bionanocomposites: Uses as Food Packaging. Macromolecular Symposia, 2016, 367, 113-118.	0.7	7
47	Degradation during processing in poly(butylene adipate-co-terephthalate)/vegetable fiber compounds estimated by torque rheometry. Polymer Testing, 2016, 55, 204-211.	4.8	33
48	Effect of Cis-1,3-docosenamide in the Properties of Compatibilized Polypropylene/Clay Nanocomposites. Macromolecular Symposia, 2016, 367, 68-75.	0.7	6
49	Nonisothermal melt crystallization of PHB/babassu compounds. Journal of Thermal Analysis and Calorimetry, 2016, 126, 755-769.	3.6	26
50	Process simulation of laboratory internal mixers. Polymer Testing, 2016, 50, 94-100.	4.8	43
51	Chain extension of virgin and recycled poly(ethylene terephthalate): Effect of processing conditions and reprocessing. Polymer Degradation and Stability, 2016, 124, 26-34.	5.8	61
52	Biodegradation Evaluation of Composites with Natural Fiber by Weight Loss and CO2 Production. Revista Virtual De Quimica, 2016, 8, 1115-1129.	0.4	5
53	Effect of water absorption on the mechanical properties of poly(3-hydroxybutyrate)/vegetable fiber composites. AIP Conference Proceedings, 2015, , .	0.4	2
54	Thermal stability of poly(3-hydroxybutyrate)/vegetable fiber composites. AIP Conference Proceedings, 2015, , .	0.4	3

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55	Thermal properties of poly(3-hydroxybutyrate)/vegetable fiber composites. AIP Conference Proceedings, 2015, , .	0.4	1
56	Influência da argila vermiculita brasileira na biodegradação de filmes de PHB. Polimeros, 2015, 25, 483-491.	0.7	3
57	Chain extension in poly(butylene-adipate-terephthalate). Inline testing in a laboratory internal mixer. Polymer Testing, 2015, 42, 115-121.	4.8	48
58	Inflamabilidade de Nanocompósitos de Polipropileno/Argila Organofílica. Polimeros, 2014, 24, 307-313.	0.7	5
59	Influência da concentração e purificação da argila na estrutura e permeação ao vapor de Água de nanocompósitos PEBDL/bentonita. Polimeros, 2013, 23, 108-114.	0.7	3
60	Efeito do Co-Intercalante CIS-13-Docosenamida na Morfologia e Propriedades Mecânicas de compósitos Polipropileno/Argila Organofílica. Polimeros, 2013, 23, 672-677.	0.7	4
61	Desenvolvimento de filmes de nanocompósitos polipropileno/argila organofílica para embalagens. Polimeros, 2012, 22, 238-244.	0.7	3
62	Uso de argila organofílica na compatibilização de misturas PP/EPDM. Polimeros, 2011, 21, 421-428.	0.7	9
63	Efeito de diferentes tipos de argilas e modificadores orgânicos na morfologia e propriedades térmicas dos nanocompósitos de PET. Polimeros, 2011, 21, 195-203.	0.7	2
64	Clays for polymeric nanocomposites. Polymer Engineering and Science, 2011, 51, 559-572.	3.1	22
65	An experimental study of water absorption in polyester composites reinforced with macambira natural fiber. Materialwissenschaft Und Werkstofftechnik, 2011, 42, 979-984.	0.9	20
66	Characterization of pristine and purified organobentonites. Journal of Thermal Analysis and Calorimetry, 2010, 100, 563-569.	3.6	50
67	Sorção de água em compósitos de poliéster insaturado reforçados com tecido de juta e juta/vidro modelagem, simulação e experimentação. Polimeros, 2010, 20, 78-83.	0.7	9
68	Efeitos das condições de preparação e de modificação de superfície de membranas de PEUAPM na separação Água/Óleo. Polimeros, 2009, 19, 72-78.	0.7	4
69	Effect of clay/water ratio during bentonite clay organophilization on the characteristics of the organobentonites and its polypropylene nanocomposites. Polymer Engineering and Science, 2009, 49, 1696-1702.	3.1	20
70	Influência da adição de uma carga nanoparticulada no desempenho de compósitos poliuretano/fibra de juta. Polimeros, 2007, 17, 10-15.	0.7	9
71	Propriedades mecânicas de tração de compósitos poliéster/tecidos híbridos sisal/vidro. Polimeros, 2006, 16, 33-37.	0.7	16
72	Mechanical properties of phenolic composites reinforced with jute/cotton hybrid fabrics. Polymer Composites, 2005, 26, 1-11.	4.6	81

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73	Curing behavior of a novolac-type phenolic resin analyzed by differential scanning calorimetry. Journal of Applied Polymer Science, 2003, 90, 1678-1682.	2.6	42
74	Effect of wettability and ageing conditions on the physical and mechanical properties of uniaxially oriented jute-roving-reinforced polyester composites. Composites Science and Technology, 2000, 60, 833-844.	7.8	217
75	Compósitos de matriz poliéster reforçados por fibras curtas de sisal. Polimeros, 1999, 9, 136-141.	0.7	30
76	Polystyrene modified by grafting. Journal of the Brazilian Chemical Society, 1997, 8, 197-202.	0.6	3
77	Grafting of poly(methyl methacrylate) in aqueous slurries of wood pulp. Journal of Applied Polymer Science, 1984, 29, 2921-2927.	2.6	9
78	Deuterium magnetic resonance study of .alpha.,.omega.-dicarboxylic acid guests in disk micelles of varied bilayer thickness. Journal of the American Chemical Society, 1981, 103, 245-246.	13.7	8
79	Preparation of Biodegradable Polymer Nanocomposites and Vermiculite Clay by Melt Intercalation Technique. Materials Science Forum, 0, 775-776, 357-362.	0.3	1
80	Mulch films based on poly(butylene adipate-co-terephthalate)/carnauba wax/sugar cane residue: Effects on soil temperature and moisture. Journal of Composite Materials, 0, , 002199832110116.	2.4	2
81	Disclosing the complex crystallization of PBAT/PLA/Babassu biocompounds through MDSC analysis. Journal of Thermal Analysis and Calorimetry, 0, , 1.	3.6	1
82	Application of Infrared Spectroscopy to Analysis of Chitosan/Clay Nanocomposites. , 0, , .		45
83	Physical, Morphological, Structural, Thermal and Antimicrobial Characterization of Films based on Poly(Lactic Acid), Organophilic Montmorillonite and Oregano Essential Oil. Materials Research, 0, 25, .	1.3	0