

Rosario Elida Suman Bretas

List of Publications by Year in descending order

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89
papers

2,242
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236612

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docs citations

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times ranked

2818
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of chain extender on mechanical, thermal and morphological properties of blown films of PLA/PBAT blends. <i>Polymer Testing</i> , 2015, 43, 27-37.	2.3	295
2	Novel composites of copper nanowire/PVDF with superior dielectric properties. <i>Polymer</i> , 2014, 55, 226-234.	1.8	146
3	Rheological, mechanical and transport properties of blown films of high density polyethylene nanocomposites. <i>European Polymer Journal</i> , 2008, 44, 1346-1357.	2.6	105
4	Miscibility and mechanical properties of poly(ether imide)/poly(ether ether ketone)/liquid crystalline polymer ternary blends. <i>Polymer</i> , 1992, 33, 5233-5244.	1.8	101
5	Supramolecular aromatic interactions to enhance biodegradable film properties through incorporation of functionalized cellulose nanocrystals. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 83, 80-88.	3.8	73
6	Electrospinning and characterization of polyamide 66 nanofibers with different molecular weights. <i>Materials Research</i> , 2009, 12, 181-190.	0.6	59
7	Evaluation of rheological and mechanical behavior of blends based on polypropylene and metallocene elastomers. <i>Polymer Testing</i> , 2002, 21, 647-652.	2.3	57
8	<i>In Vitro</i> and <i>In Vivo</i> Studies of Novel Poly(D,L-lactic acid), Superhydrophilic Carbon Nanotubes, and Nanohydroxyapatite Scaffolds for Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9385-9398.	4.0	57
9	Melt extruded nanocomposites of polybutylene adipate-co-terephthalate (PBAT) with phenylbutyl isocyanate modified cellulose nanocrystals. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	53
10	Natural copaiba oil as antibacterial agent for bio-based active packaging. <i>Industrial Crops and Products</i> , 2015, 70, 134-141.	2.5	51
11	Morphological, thermal, and mechanical properties of poly(μ -caprolactone)/poly(μ -caprolactone)-grafted-cellulose nanocrystals mats produced by electrospinning. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	50
12	Poly (butylene adipate-co-terephthalate)/hydroxyapatite composite structures for bone tissue recovery. <i>Polymer Degradation and Stability</i> , 2015, 120, 61-69.	2.7	47
13	Elaboration and properties of novel biobased nanocomposites with halloysite nanotubes and thermoplastic polyurethane from dimerized fatty acids. <i>Polymer</i> , 2014, 55, 5226-5234.	1.8	46
14	Rheology of polymer blends: non-linear model for viscoelastic emulsions undergoing high deformation flows. <i>Rheologica Acta</i> , 2001, 40, 538-551.	1.1	45
15	Influence of the microstructure and mechanical strength of nanofibers of biodegradable polymers with hydroxyapatite in stem cells growth. <i>Electrospinning, characterization and cell viability. Polymer Degradation and Stability</i> , 2012, 97, 2037-2051.	2.7	43
16	A X-ray study of β -phase and molecular orientation in nucleated and non-nucleated injection molded polypropylene resins. <i>Materials Research</i> , 2009, 12, 455-464.	0.6	42
17	Synergic effect in electrical conductivity using a combination of two fillers in PVDF hybrids composites. <i>European Polymer Journal</i> , 2013, 49, 3318-3327.	2.6	40
18	A Sustainable Recycling Alternative: Electrospun PET-Membranes for Air Nanofiltration. <i>Polymers</i> , 2021, 13, 1166.	2.0	39

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19	Crystallization kinetics of a PEEK/LCP blend. <i>Journal of Applied Polymer Science</i> , 1995, 55, 233-246.	1.3	38
20	Rheological and thermal properties of binary blends of polypropylene and poly(ethylene-CO-1-octene). <i>Journal of Applied Polymer Science</i> , 2001, 79, 1634-1639.	1.3	38
21	Electrical conductivity of electrospun nanofiber mats of polyamide 6/polyaniline coated with nitrogen-doped carbon nanotubes. <i>Materials and Design</i> , 2018, 141, 333-341.	3.3	38
22	Nanocomposites of PBAT and cellulose nanocrystals modified by <i>in situ</i> polymerization and melt extrusion. <i>Polymer Engineering and Science</i> , 2016, 56, 1339-1348.	1.5	37
23	Thermal and structural characterization of nanofibers of poly(vinyl alcohol) produced by electrospinning. <i>Journal of Applied Polymer Science</i> , 2009, 112, 1680-1687.	1.3	36
24	Characterization of i-PP shear-induced crystallization layers developed in a slit die. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3528-3541.	1.3	32
25	Thermoplastic/carbon fibre composites: Correlation between interphase morphology and dynamic mechanical properties. <i>European Polymer Journal</i> , 1990, 26, 817-821.	2.6	28
26	Extraction and Characterization of Cellulose Nanowhiskers from Balsa Wood. <i>Macromolecular Symposia</i> , 2012, 319, 191-195.	0.4	26
27	Characterization of Nano-Structured Poly(D,L-lactic acid) Nonwoven Mats Obtained from Different Solutions by Electrospinning. <i>Journal of Macromolecular Science - Physics</i> , 2009, 48, 1222-1240.	0.4	24
28	Effect of EVA as compatibilizer on the mechanical properties, permeability characteristics, lamellae orientation, and long period of blown films of HDPE/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3340-3350.	1.3	24
29	Preparation and characterization of PA6/PAni-TSA nanofibers. <i>Synthetic Metals</i> , 2012, 162, 1537-1545.	2.1	24
30	Influence of shape and surface modification of nanoparticle on the rheological and dynamic mechanical properties of polyamide 6 nanocomposites. <i>Polymer Engineering and Science</i> , 2013, 53, 1512-1528.	1.5	24
31	CaracterizaçŁo tŁrmica e reolŁgica de borracha de pneu desvulcanizada por microondas. <i>Polimeros</i> , 2006, 16, 46-52.	0.2	21
32	The effect of a hydroxyapatite impregnated PCL membrane in rat subcritical calvarial bone defects. <i>Archives of Oral Biology</i> , 2017, 82, 209-215.	0.8	21
33	Rheological, mechanical, thermal, and morphological properties of blends poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Polymer Engineering and Science</i> , 2020, 60, 1482-1493.	1.5	19
34	Rheological and morphological properties of high-density polyethylene and poly(ethylene-octene) blends. <i>Journal of Applied Polymer Science</i> , 2002, 86, 2240-2246.	1.3	18
35	EletrofiaçŁo do poli (Á cool vinÁlico) via soluçŁo aquosa. <i>Polimeros</i> , 2006, 16, 286-293.	0.2	18
36	Viabilidade celular de nanofibras de polÁmeros biodegradÁveis e seus nanocompŁsitos com argila montmorilonita. <i>Polimeros</i> , 2012, 22, 34-41.	0.2	18

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37	Study of the quiescent and shear-induced crystallization kinetics of intercalated PTT/MMT nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 113-127.	2.4	17
38	Interfacial tension of PBT/SAN blends by the drop retraction method. <i>Materials Research</i> , 2008, 11, 165-169.	0.6	16
39	Avaliação das propriedades reológicas de blendas de PEAD virgem/PEAD reciclado. <i>Polimeros</i> , 2008, 18, 144-151.	0.2	15
40	Influence of a terpolymer compatibilizer on the nanostructure of poly(trimethylene Terephthalate)/Polybutylene Terephthalate (terephthalate) blends. <i>Journal of Applied Polymer Science</i> , 2010, 116, 940-949.	1.6	15
41	Nanocomposites based on renewable thermoplastic polyurethane and chemically modified cellulose nanocrystals with improved mechanical properties. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46736.	1.3	15
42	Nanocomposites of polyamide 6/residual monomer with organic-modified montmorillonite and their nanofibers produced by electrospinning. <i>Materials Research</i> , 2012, 15, 611-621.	0.6	14
43	Control of the Hydrophilic/Hydrophobic Behavior of Biodegradable Natural Polymers by Decorating Surfaces with Nano- and Micro-Components. <i>Advances in Polymer Technology</i> , 2018, 37, 654-661.	0.8	14
44	Molecular orientation of extruded PET/LCP blend films. Part I: Polarized infrared spectroscopy. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2241-2248.	1.3	13
45	Processing and characterization of oriented electrospun poly(vinylidene fluoride) mats. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1304-1311.	2.4	13
46	A new approach for conductive network formation in electrospun poly(vinylidene fluoride) nanofibers. <i>Polymer International</i> , 2015, 64, 1262-1267.	1.6	13
47	Effect of compatibilization and reprocessing on the isothermal crystallization kinetics of polypropylene/wood flour composites. <i>Polimeros</i> , 2013, 23, 312-319.	0.2	13
48	Correlations between processing parameters, morphology, and properties of blown films of LLDPE/LDPE blends, part 2: Crystalline and amorphous biaxial orientation by WAXD pole figures. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2760-2767.	1.3	12
49	Caracterização de filmes de PVDF- β obtidos por diferentes técnicas. <i>Polimeros</i> , 2009, 19, 183-189.	0.2	12
50	High loading of graphene oxide/multi-walled carbon nanotubes into PDLLA: A route towards the design of osteoconductive, bactericidal and non-immunogenic 3D porous scaffolds. <i>Materials Chemistry and Physics</i> , 2016, 177, 56-66.	2.0	12
51	Nanocomposites of acrylonitrile-butadiene-styrene/montmorillonite/styrene block copolymers: Structural, rheological, mechanical and flammability studies on the effect of organoclays and compatibilizers using statistically designed experiments. <i>Journal of Composite Materials</i> , 2016, 50, 771-782.	1.2	12
52	Optical Properties of Blown Films of PA6/MMT Nanocomposites. <i>Materials Research</i> , 2017, 20, 53-60.	0.6	12
53	Nanofibers of poly(vinylidene fluoride)/copper nanowire: Microstructural analysis and dielectric behavior. <i>European Polymer Journal</i> , 2018, 101, 46-55.	2.6	12
54	Flexible conductive poly(styrene-butadiene-styrene)/carbon nanotubes nanocomposites: Self-assembly and broadband electrical behavior. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46650.	1.3	12

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55	Effect of PBT molecular weight and reactive compatibilization on the dispersed phase coalescence of PBT/SAN blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 2274-2287.	2.4	11
56	Mechanical properties and stem cell adhesion of injection molded poly(ether ether ketone) and hydroxyapatite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	11
57	Remarkable change in the broadband electrical behavior of poly(vinylidene fluoride) multiwalled carbon nanotube nanocomposites with the use of different processing routes. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47409.	1.3	11
58	Mechanical, rheological, thermal, and morphological properties of blends based on poly(propylene)/poly(propylene-co-1-octene)/poly(ethylene-co-1-octene). <i>Journal of Applied Polymer Science</i> , 2003, 89, 1690-1695.	1.3	10
59	Optical monitoring of polypropylene crystallization during injection molding. <i>Polymer Engineering and Science</i> , 2008, 48, 257-266.	1.5	10
60	Correlação entre as propriedades reológicas, físicas e a morfologia de filmes soprados de LLDPE/LDPE. <i>Polimeros</i> , 2004, 14, 38-45.	0.2	8
61	Optical monitoring of the injection molding of intercalated polypropylene nanocomposites. <i>Polymer Engineering and Science</i> , 2010, 50, 1326-1339.	1.5	8
62	Novel electrical conductive hybrid nanostructures based on PA/MWCNT-COOH electrospun nanofibers and anchored MWCNT-COOH. <i>Polymer Engineering and Science</i> , 2015, 55, 1263-1272.	1.5	8
63	Improvement of the short and long term mechanical properties of injection molded poly(ether ether ketone) and hydroxyapatite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	8
64	Melt processing of nanocomposites of cellulose nanocrystals with biobased thermoplastic polyurethane. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50343.	1.3	8
65	Transient shear and elongational behavior of blends of PET with a LCP. <i>Rheologica Acta</i> , 2006, 45, 268-280.	1.1	6
66	Avaliação da orientação molecular de moldados de polipropileno utilizando figuras de pólo obtidas por difração de raios X. <i>Polimeros</i> , 2007, 17, 28-35.	0.2	6
67	Optical and dielectric properties of Nd and Sm-doped Bi ₅ Ti ₃ FeO ₁₅ . <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16812-16820.	1.1	6
68	Determinação da constante cinética de cristalização isotérmica de polipropilenos modificados com ácido acrílico e anidrido maleico. <i>Polimeros</i> , 2006, 16, 305-311.	0.2	5
69	Preparação e Caracterização de Nanofibras de Nanocompósitos de Poliamida 6,6 e Argila Montmorilonita. <i>Polimeros</i> , 2011, 21, 398-408.	0.2	5
70	Effect of MWCNT carboxyl functionalization on the shear rheological and electrical properties of HMS-PP/MWCNT foams. <i>Journal of Cellular Plastics</i> , 2021, 57, 210-235.	1.2	5
71	Effects of bismuth/lanthanum-substitution on optical, dielectric and magnetic properties of bismuth iron titanate. <i>Materials Today Communications</i> , 2020, 24, 101193.	0.9	5
72	Reologia de polietileno de alta densidade tenacificado com polietileno elastomérico. <i>Polimeros</i> , 2003, 13, 135-140.	0.2	4

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73	Correlation between electrospinning parameters and magnetic properties of BiFeO ₃ nanofibers. <i>Electrospinning</i> , 2017, 1, .	1.6	4
74	Synthesis of the high dielectric permittivity perovskite (Na _{1/3} Ca _{1/3} Bi _{1/3} Cu ₃ Ti ₄ O ₁₂) by different routes. <i>Ceramics International</i> , 2019, 45, 24642-24650.	2.3	4
75	Structural, optical, and magnetic properties of KBiFe ₂ O ₅ synthesized by a sol-gel method using PVP as additive. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2725-2733.	1.1	4
76	Poly (Butylene Adipate-Co-Terephthalate) and Poly (ε-Caprolactone) and Their Bionanocomposites with Cellulose Nanocrystals: Thermo-Mechanical Properties and Cell Viability Study. <i>Journal of Renewable Materials</i> , 2019, 7, 269-277.	1.1	4
77	Simulation of the extrusion of HDPE and HDPE/UHMWPE blends. <i>European Polymer Journal</i> , 1993, 29, 769-772.	2.6	3
78	Correlação entre propriedades reológicas e ópticas de filmes tubulares de polietileno linear de baixa densidade com diferentes distribuições de ramificações curtas. <i>Polimeros</i> , 2006, 16, 149-157.	0.2	3
79	Caracterização reológica da goma xantana: influência de íons metálicos univalente e trivalente e temperatura em experimentos dinâmicos. <i>Polimeros</i> , 2011, 21, 188-194.	0.2	3
80	Síntese da perovskita [KNbO ₃] _{0,9} [BaNi _{0,5} Nb _{0,5} O _{3-δ}] _{0,1} por combustão em solução. <i>Ceramica</i> , 2019, 65, 45-53.	0.3	2
81	An alternative neural network approach to calculate the molecular weight distribution from dynamic rheological properties of i-PP resins. <i>Journal of Applied Polymer Science</i> , 2000, 75, 1416-1423.	1.3	1
82	Molecular orientation of extruded PET/LCP blend films. II. X-ray pole figures. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2955-2962.	1.3	1
83	Potential supercapacitors made of polymer/perovskite composites. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
84	Dualistic effect of Kraft lignin on the viscoelastic behavior of biodegradable biobased PBSA. <i>Materials Today Communications</i> , 2021, 29, 102847.	0.9	1
85	Flexible and high dielectric permittivity composites of Na _{1/3} Ca _{1/3} Bi _{1/3} Cu ₃ Ti ₄ O ₁₂ . <i>Polymer Engineering and Science</i> , 0, , .	1.5	1
86	Simulação do processo de injeção de polipropileno isotático (iPP) utilizando um modelo de cinética de cristalização quiescente. <i>Polimeros</i> , 1997, 7, 62-72.	0.2	0
87	Effect of polymer matrix on rheological and electrical percolation threshold of MWCNTs. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
88	ESTRUTURAS COMPÓSITAS HÍBRIDAS DE MWCNT/NANOFIBRAS DE NYLON 6 EM EP. XI, 0, , .		0
89	Melt-mixed nanocomposites of SIS/MWCNT: rheological, electrical and structural behavior. <i>Polimeros</i> , 2020, 30, .	0.2	0