

Edcleide Maria Araujo

List of Publications by Citations

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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.

95
papers

444
citations

11
h-index

14
g-index

120
ext. papers

673
ext. citations

1.5
avg, IF

3.92
L-index

#	Paper	IF	Citations
95	Incorporation of a recycled rubber compound from the shoe industry in polystyrene: Effect of SBS compatibilizer content. <i>Journal of Elastomers and Plastics</i> , 2020 , 52, 3-28	1.6	23
94	Polyamide 6 Nanocomposites with Inorganic Particles Modified with Three Quaternary Ammonium Salts. <i>Materials</i> , 2011 , 4, 1956-1966	3.5	19
93	Hydrolytic and Thermal Degradation of PCL and PCL/Bentonite Compounds. <i>Materials Research</i> , 2016 , 19, 618-627	1.5	18
92	Photodegradation Mechanisms on Poly(E-caprolactone) (PCL). <i>Materials Research</i> , 2018 , 21,	1.5	18
91	Mechanical and thermomechanical properties of polyamide 6/Brazilian organoclay nanocomposites. <i>Polimeros</i> , 2016 , 26, 52-60	1.6	17
90	Hybrid Membranes of Polyamide Applied in Treatment of Waste Water. <i>Materials Research</i> , 2017 , 20, 308-316	1.5	16
89	Processing and Properties of PCL/Cotton Linter Compounds. <i>Materials Research</i> , 2017 , 20, 317-325	1.5	14
88	Mechanical properties of nylon 6/Brazilian clay nanocomposites. <i>Journal of Alloys and Compounds</i> , 2010 , 495, 596-597	5.7	14
87	Tailoring PS/PPrecycled blends compatibilized with SEBS. Evaluation of rheological, mechanical, thermomechanical and morphological characters. <i>Materials Research Express</i> , 2019 , 6, 075316	1.7	13
86	Polypropylene/wood powder/ethylene propylene diene monomer rubber-maleic anhydride composites: Effect of PP melt flow index on the thermal, mechanical, thermomechanical, water absorption, and morphological parameters. <i>Polymer Composites</i> , 2021 , 42, 484-497	3	12
85	Toughening of polystyrene using styrene-butadiene rubber (SBRr) waste from the shoe industry. <i>REM: International Engineering Journal</i> , 2018 , 71, 253-260	0.4	11
84	Reactive compatilization of PCL/WP upon addition of PCL-MA. Smart option for recycling industry. <i>Materials Research Express</i> , 2019 , 6, 125317	1.7	10
83	Structure and mechanical properties of polyamide 6/Brazilian clay nanocomposites. <i>Materials Research</i> , 2009 , 12, 165-168	1.5	10
82	Polypropylene/wood powder composites: Evaluation of PP viscosity in thermal, mechanical, thermomechanical, and morphological characters. <i>Journal of Thermoplastic Composite Materials</i> , 2019 , 089270571988095	1.9	9
81	Desenvolvimento de Blendas Poliméricas visando a Tenacificação dos Polímeros: Uma revisão. <i>Semina: Ciências Exatas E Tecnológicas</i> , 2015 , 36, 67	0.2	9
80	From Disposal to Technological Potential: Reuse of Polypropylene Waste from Industrial Containers as a Polystyrene Impact Modifier. <i>Sustainability</i> , 2020 , 12, 5272	3.6	9
79	Blends with technological potential of copolymer polypropylene with polypropylene from post-consumer industrial containers. <i>Materials Research Express</i> , 2019 , 6, 125319	1.7	8

78	Membranes from Nylon 6/Regional Bentonite Clay Nanocomposites. <i>Materials Science Forum</i> , 2010 , 660-661, 784-787	0.4	8
77	ESTUDO DO COMPORTAMENTO DE BLENIDAS DE POLIAMIDA 6/RESÍDUO DE BORRACHA DA INDÚSTRIA DE CALÇADOS 2015 , 20, 98		8
76	Efeito dos agentes de compatibilizaç�o SBS e SEBS-MA no desempenho de misturas de poliestireno/res�duo de borracha de SBR. <i>Revista Materia</i> , 2016 , 21, 632-646	0.8	8
75	Compatibility and characterization of Bio-PE/PCL blends. <i>Polimeros</i> , 2019 , 29,	1.6	7
74	Estudo do Comportamento Mec�nico, Termomec�nico e Morfol�gico de Misturas de Poliestireno/Composto de Borracha Reciclada (SBR). <i>Revista Materia</i> , 2015 , 20, 322-334	0.8	7
73	Influence of processing variables on the mechanical behavior of HDPE/clay nanocomposites. <i>Materials Research</i> , 2012 , 15, 477-482	1.5	7
72	Reactive compatibilization as a proper tool to improve PA6 toughness. <i>Materials Research Express</i> , 2019 , 6, 125367	1.7	7
71	The Effect of ZnO on the Failure of PET by Environmental Stress Cracking. <i>Materials</i> , 2020 , 13,	3.5	6
70	Tailoring performance of PP/HIPS/SEBS through blending design. <i>Materials Research Express</i> , 2019 , 6, 115321	1.7	6
69	Study of Morphology Membrane of Polymeric Nanocomposites Obtained by Phases Inversion. <i>Materials Science Forum</i> , 2014 , 775-776, 498-503	0.4	6
68	Preparation and Characterization of Nanocomposites of Polyamide 6/Brazilian Clay with Different Organic Modifiers. <i>Materials Science Forum</i> , 2008 , 570, 18-23	0.4	6
67	Toughening of bio-PE upon addition of PCL and PEGAA. <i>REM: International Engineering Journal</i> , 2019 , 72, 469-478	0.4	5
66	Obten�o e Caracteriza�o de Membranas Obtidas a Partir de Blendas Polim�ricas de Poliamida 6. <i>Polimeros</i> , 2014 , 24, 381-387	1.6	5
65	Study of Nanocomposites of Polyamide 6.6/National Bentonite Clay. <i>Materials Science Forum</i> , 2012 , 727-728, 894-898	0.4	5
64	Physical Properties of Nylon 66/Organoclay Nanocomposites. <i>Materials Science Forum</i> , 2006 , 530-531, 702-708	0.4	5
63	Influence of Organoclay on the Physical Properties of Polyethylene Nanocomposites. <i>Materials Science Forum</i> , 2006 , 530-531, 709-714	0.4	5
62	Membranes of polyamide 6/clay/salt for water/oil separation. <i>Materials Research Express</i> , 2019 , 6, 105313	0.7	4
61	Analysis of the Efficiency of Surface Treatment of Bentonite Clay for Application in Polymeric Membranes. <i>Materials Science Forum</i> , 2014 , 775-776, 493-497	0.4	4

60	Coagulation Bath in The Production of Membranes of Nanocomposites Polyamide 6/Clay. <i>Materials Research</i> , 2017 , 20, 117-125	1.5	4
59	Evaluation of the Behavior of Brazilian Bentonite Clays with Different Quantity of Quaternary Ammonium Salt. <i>Materials Science Forum</i> , 2010 , 660-661, 765-770	0.4	4
58	Polyamide66/National Bentonite Clay Nanocomposites Membranes for Water-Oil Separation. <i>Materials Science Forum</i> , 2012 , 727-728, 1807-1811	0.4	4
57	Properties and Morphology of Polypropylene/Big Bags Compounds. <i>Materials Research</i> , 2019 , 22,	1.5	4
56	Development of hollow fiber membranes with alumina and waste of quartzite. <i>Materials Research</i> , 2019 , 22,	1.5	4
55	Tayloring PS/PCL blends: characteristics of processing and properties. <i>REM: International Engineering Journal</i> , 2019 , 72, 87-95	0.4	3
54	Nanocompósitos de polietileno/argila bentonítica com propriedades antichama. <i>Polimeros</i> , 2017 , 27, 91-98	1.6	3
53	Preparation of Poly(Lactic Acid)/Bentonite Clay Bio-Nanocomposite. <i>Materials Science Forum</i> , 2014 , 775-776, 233-237	0.4	3
52	Influence of Processing Type in the Morphology of Membranes Obtained from PA6/MMT Nanocomposites. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-5	1.5	3
51	Evaluation of impact strength of polyamide 6/bentonite clay nanocomposites. <i>Materials Research</i> , 2012 , 15, 506-509	1.5	3
50	Bionanocomposites of PLA/PBAT/organophilic clay: preparation and characterization. <i>Polimeros</i> , 2019 , 29,	1.6	3
49	Biodegradable Compounds of Poly (εCaprolactone)/Montmorillonite Clays. <i>Materials Research</i> , 2019 , 22,	1.5	3
48	Polyethersulfone Hollow Fiber Membranes Developed for Oily Emulsion Treatment. <i>Materials Research</i> , 2019 , 22,	1.5	3
47	Evaluation of the SEBS copolymer in the compatibility of PP/ABS blends through mechanical, thermal, thermomechanical properties, and morphology. <i>Polymers for Advanced Technologies</i> ,	3.2	3
46	Reuse of carbon fiber waste to produce composites with polypropylene. The effect of styrene-(ethylene-butylene)-styrene grafted with maleic anhydride and ethylene-propylene-diene grafted with maleic anhydride copolymers. <i>Polymer Composites</i> ,	3	3
45	Comportamento reológico do Bio-PE e do PCL na presença do PEGAA e PEGMA. <i>Revista Materia</i> , 2017 , 22,	0.8	2
44	Photo-degradation of PS/SBRr blends compatibilized with SEBS. <i>Materials Research Express</i> , 2019 , 6, 095327	1.7	2
43	Comparative Study of Membranes Obtained from PA6 and PA66/National Clay Nanocomposites 2011 ,		2

42	Study of Polyamide66/Bentonite Clay Hybrid Membranes Obtained by Solution. <i>Materials Science Forum</i> , 2012 , 727-728, 1802-1806	0.4	2
41	Preparation of Organoclay for Polymeric Nanocomposites Membranes. <i>Materials Science Forum</i> , 2012 , 727-728, 899-903	0.4	2
40	Influence of the Polymer Content in the Preparation of Polymeric Membranes. <i>Materials Science Forum</i> , 2012 , 727-728, 1706-1710	0.4	2
39	Influence of Molecular Weight of Polyamide 6 in Obtaining of Nanocomposites with Natural Organoclay. <i>Materials Science Forum</i> , 2012 , 727-728, 1711-1716	0.4	2
38	Influência do envelhecimento termo-oxidativo nas propriedades mecânicas e de amarelamento de blendas de poliestireno com borracha reciclada de estireno-butadieno (SBR). <i>Revista Materia</i> , 2019 , 24,	0.8	2
37	Production of Eco-Sustainable Materials: Compatibilizing Action in Poly (Lactic Acid)/High-Density Biopolyethylene Bioblends. <i>Sustainability</i> , 2021 , 13, 12157	3.6	2
36	INFLUÊNCIA DA SEQUÊNCIA DE MISTURA NAS PROPRIEDADES DE BLENDA DE PS/SBRr COMPATIBILIZADA COM SBS. <i>Tecnologia Em Metalurgia, Materiais E Mineracao</i> , 2015 , 12, 3-11	1.7	2
35	Annealing Effect on Pla/Eva Blends Performance. <i>Journal of Polymers and the Environment</i> ,1	4.5	2
34	Treatment of Effluents from the Textile Industry through Polyethersulfone Membranes. <i>Water (Switzerland)</i> , 2019 , 11, 2540	3	2
33	Photodegradation of polystyrene/rubber waste blends compatibilized with SBS copolymer. <i>Journal of Elastomers and Plastics</i> , 2020 , 52, 356-379	1.6	2
32	Feasibility of Manufacturing Disposable Cups using PLA/PCL Composites Reinforced with Wood Powder. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 2932-2951	4.5	2
31	RSM applied to PS/SBRr/SEBS Blends. Proper tool for maximized properties. <i>Materials Research Express</i> , 2020 , 7, 015327	1.7	1
30	Influence of SEBS-MA and SBS compatibilizers on properties and morphology of blends of polystyrene/rubber residue (SBRr) from the footwear industry. <i>REM: International Engineering Journal</i> , 2017 , 70, 193-199	0.4	1
29	Structural and Thermomechanical Evaluation of Bionanocomposites Obtained from Biodegradable Polymers with a Organoclay. <i>Materials Science Forum</i> , 2014 , 775-776, 178-182	0.4	1
28	Systematic Characterization of Different Quaternary Ammonium Salts to be Used in Organoclays. <i>Materials Science Forum</i> , 2012 , 727-728, 1552-1556	0.4	1
27	Obtaining of Polymer Films from Nylon 6/Bentonite Clay Nanocomposites: Structural Characterization. <i>Materials Science Forum</i> , 2012 , 727-728, 1860-1865	0.4	1
26	Rheological Study of Polyamide 6/Waste Styrene-Butadiene Rubber (SBR) Blends. <i>Materials Science Forum</i> , 2012 , 727-728, 1908-1912	0.4	1
25	Study of The Influence of Viscosity on The Morphology of Polyethersulfone Hollow Fiber Membranes/Additives. <i>Materials Research</i> , 2019 , 22,	1.5	1

24	Propriedades reológicas de blendas de polipropileno copolímero/polipropileno reciclado oriundo de recipientes industriais. <i>Revista Materia</i> , 2020 , 25,	0.8	1
23	Optimization of Process Parameters for Obtaining Polyethersulfone/Additives Membranes. <i>Water (Switzerland)</i> , 2020 , 12, 2180	3	1
22	Effect of injection parameters on the thermal, mechanical and thermomechanical properties of polycaprolactone (PCL). <i>Journal of Elastomers and Plastics</i> ,009524432110153	1.6	1
21	The Impact of the Macaãba Components Addition on the Biodegradation Acceleration of Poly (Ecaprolactone) (PCL). <i>Journal of Polymers and the Environment</i> ,1	4.5	1
20	Study of Hybrid Membranes Prepared with the Addition of Calcium Chloride. <i>Materials Science Forum</i> , 2018 , 930, 218-223	0.4	1
19	Reactive processing of PA6/EPDM-MA blends as modifier for application and development of high-performance polypropylene. <i>Journal of Vinyl and Additive Technology</i> ,	2	1
18	From Waste to Reuse: Manufacture of Ecological Composites Based on Biopolyethylene/wood Powder with PE-g-MA and Macaãba Oil. <i>Journal of Polymers and the Environment</i> ,1	4.5	1
17	Addition of the ethylene-vinyl acetate copolymer (EVA) with maleic anhydride (MA) and dicumyl peroxide (DCP): the impact of styrene monomer on cross-linking and functionalization. <i>Polymer Bulletin</i> ,1	2.4	1
16	Hollow fiber membranes of polysulfone/attapulгите for oil removal in wastewater. <i>Polymer Bulletin</i> ,1	2.4	1
15	Development of Polyamide 6/Ferrite Composites for Absorbers of Electromagnetic Radiation. <i>Materials Science Forum</i> , 2010 , 660-661, 922-927	0.4	0
14	Preparation and Characterization of Composite of Polyamide 6/Nickel Ferrite. <i>Materials Science Forum</i> , 2012 , 727-728, 609-613	0.4	0
13	From Waste to Potential Reuse: Mixtures of Polypropylene/Recycled Copolymer Polypropylene from Industrial Containers: Seeking Sustainable Materials. <i>Sustainability</i> , 2022 , 14, 6509	3.6	0
12	Mechanical and Morphological Behavior of Blends Obtained from Biopolymers (PLA/PLC). <i>Materials Science Forum</i> , 2014 , 775-776, 24-28	0.4	
11	Obtaining of Polyamide 6/Calcined Nickel Ferrite Composite from Different Temperatures. <i>Materials Science Forum</i> , 2014 , 775-776, 107-111	0.4	
10	ZnAl ₂ O ₄ /Chitosan Films and Evaluation of the Influence of ZnAl ₂ O ₄ Filler on the Films Morphology, Structure and Thermal Properties. <i>Materials Science Forum</i> , 2014 , 775-776, 692-695	0.4	
9	Influence of Bentonite Clay Content in HDPE Nanocomposites. <i>Materials Science Forum</i> , 2012 , 727-728, 1780-1784	0.4	
8	Study Intercalation and Mechanical Properties of Nanocomposites of HDPE/Organoclay. <i>Materials Science Forum</i> , 2012 , 727-728, 1785-1788	0.4	
7	Use of Brazilian Clay in Nylon 6 with Different Molecular Weight Nanocomposites. <i>Materials Science Forum</i> , 2010 , 660-661, 777-783	0.4	

- 6 Obtaining Tetracalcium Phosphate and Hydroxyapatite in Powder Form by Wet Method. *Materials Science Forum*, **2010**, 660-661, 954-958 0.4
- 5 Analysis of Used Vegetable Oils Treated with Paraíba/Brazil Clays by Kinematic Viscosity. *Materials Science Forum*, **2010**, 660-661, 1070-1074 0.4
- 4 Influence of Bentonite Clay in the Formation of Polypropylene / Clay Nanocomposites. *Materials Science Forum*, **2012**, 727-728, 879-883 0.4
- 3 Modification of Brazilian Bentonite Clay for Use Nano-Biocomposites. *Materials Science Forum*, **2012**, 727-728, 867-872 0.4
- 2 Evaluation of the Permeation of O₂, CO₂ and Water Vapor in Membranes of Polyetherimide/Clay Nanocomposites. *Materials Science Forum*, **2012**, 727-728, 1570-1573 0.4
- 1 PA6/Sodium Clay Membrane for Application in Petroleum Sector. *Materials Science Forum*, **2018**, 930, 264-269 0.4