

# Edcleide Maria Araujo

## 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.

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	From Waste to Potential Reuse: Mixtures of Polypropylene/Recycled Copolymer Polypropylene from Industrial Containers: Seeking Sustainable Materials. <i>Sustainability</i> , <b>2022</b> , 14, 6509	3.6	0
94	Production of Eco-Sustainable Materials: Compatibilizing Action in Poly (Lactic Acid)/High-Density Biopolyethylene Bioblends. <i>Sustainability</i> , <b>2021</b> , 13, 12157	3.6	2
93	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> , <b>2021</b> , 42, 484-497	3	12
92	Feasibility of Manufacturing Disposable Cups using PLA/PCL Composites Reinforced with Wood Powder. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 2932-2951	4.5	2
91	The Effect of ZnO on the Failure of PET by Environmental Stress Cracking. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
90	RSM applied to PS/SBRr/SEBS Blends. Proper tool for maximized properties. <i>Materials Research Express</i> , <b>2020</b> , 7, 015327	1.7	1
89	Propriedades reológicas de blendas de polipropileno copolímero/polipropileno reciclado oriundo de recipientes industriais. <i>Revista Materia</i> , <b>2020</b> , 25,	0.8	1
88	From Disposal to Technological Potential: Reuse of Polypropylene Waste from Industrial Containers as a Polystyrene Impact Modifier. <i>Sustainability</i> , <b>2020</b> , 12, 5272	3.6	9
87	Optimization of Process Parameters for Obtaining Polyethersulfone/Additives Membranes. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2180	3	1
86	Incorporation of a recycled rubber compound from the shoe industry in polystyrene: Effect of SBS compatibilizer content. <i>Journal of Elastomers and Plastics</i> , <b>2020</b> , 52, 3-28	1.6	23
85	Photodegradation of polystyrene/rubber waste blends compatibilized with SBS copolymer. <i>Journal of Elastomers and Plastics</i> , <b>2020</b> , 52, 356-379	1.6	2
84	Tayloring PS/PCL blends: characteristics of processing and properties. <i>REM: International Engineering Journal</i> , <b>2019</b> , 72, 87-95	0.4	3
83	Tailoring PS/PPrecycled blends compatibilized with SEBS. Evaluation of rheological, mechanical, thermomechanical and morphological characters. <i>Materials Research Express</i> , <b>2019</b> , 6, 075316	1.7	13
82	Membranes of polyamide 6/clay/salt for water/oil separation. <i>Materials Research Express</i> , <b>2019</b> , 6, 105313	1.7	4
81	Photo-degradation of PS/SBRr blends compatibilized with SEBS. <i>Materials Research Express</i> , <b>2019</b> , 6, 095327	1.7	2
80	Compatibility and characterization of Bio-PE/PCL blends. <i>Polimeros</i> , <b>2019</b> , 29,	1.6	7
79	Toughening of bio-PE upon addition of PCL and PEGAA. <i>REM: International Engineering Journal</i> , <b>2019</b> , 72, 469-478	0.4	5

78	Polypropylene/wood powder composites: Evaluation of PP viscosity in thermal, mechanical, thermomechanical, and morphological characters. <i>Journal of Thermoplastic Composite Materials</i> , <b>2019</b> , 089270571988095	1.9	9
77	Tailoring performance of PP/HIPS/SEBS through blending design. <i>Materials Research Express</i> , <b>2019</b> , 6, 115321	1.7	6
76	Reactive compatilization of PCL/WP upon addition of PCL-MA. Smart option for recycling industry. <i>Materials Research Express</i> , <b>2019</b> , 6, 125317	1.7	10
75	Blends with technological potential of copolymer polypropylene with polypropylene from post-consumer industrial containers. <i>Materials Research Express</i> , <b>2019</b> , 6, 125319	1.7	8
74	Bionanocomposites of PLA/PBAT/organophilic clay: preparation and characterization. <i>Polimeros</i> , <b>2019</b> , 29,	1.6	3
73	Biodegradable Compounds of Poly (Ecaprolactone)/Montmorillonite Clays. <i>Materials Research</i> , <b>2019</b> , 22,	1.5	3
72	Properties and Morphology of Polypropylene/Big Bags Compounds. <i>Materials Research</i> , <b>2019</b> , 22,	1.5	4
71	Polyethersulfone Hollow Fiber Membranes Developed for Oily Emulsion Treatment. <i>Materials Research</i> , <b>2019</b> , 22,	1.5	3
70	Study of The Influence of Viscosity on The Morphology of Polyethersulfone Hollow Fiber Membranes/Additives. <i>Materials Research</i> , <b>2019</b> , 22,	1.5	1
69	Development of hollow fiber membranes with alumina and waste of quartzite. <i>Materials Research</i> , <b>2019</b> , 22,	1.5	4
68	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> , <b>2019</b> , 24,	0.8	2
67	Reactive compatibilization as a proper tool to improve PA6 toughness. <i>Materials Research Express</i> , <b>2019</b> , 6, 125367	1.7	7
66	Treatment of Effluents from the Textile Industry through Polyethersulfone Membranes. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2540	3	2
65	Toughening of polystyrene using styrene-butadiene rubber (SBRr) waste from the shoe industry. <i>REM: International Engineering Journal</i> , <b>2018</b> , 71, 253-260	0.4	11
64	Photodegradation Mechanisms on Poly(Ecaprolactone) (PCL). <i>Materials Research</i> , <b>2018</b> , 21,	1.5	18
63	Study of Hybrid Membranes Prepared with the Addition of Calcium Chloride. <i>Materials Science Forum</i> , <b>2018</b> , 930, 218-223	0.4	1
62	PA6/Sodium Clay Membrane for Application in Petroleum Sector. <i>Materials Science Forum</i> , <b>2018</b> , 930, 264-269	0.4	
61	Nanocompósitos de polietileno/argila bentonítica com propriedades antichama. <i>Polimeros</i> , <b>2017</b> , 27, 91-98	1.6	3

60	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> , <b>2017</b> , 70, 193-199	0.4	1
59	Comportamento reológico do Bio-PE e do PCL na presença do PEGAA e PEgMA. <i>Revista Materia</i> , <b>2017</b> , 22,	0.8	2
58	Hybrid Membranes of Polyamide Applied in Treatment of Waste Water. <i>Materials Research</i> , <b>2017</b> , 20, 308-316	1.5	16
57	Processing and Properties of PCL/Cotton Linter Compounds. <i>Materials Research</i> , <b>2017</b> , 20, 317-325	1.5	14
56	Coagulation Bath in The Production of Membranes of Nanocomposites Polyamide 6/Clay. <i>Materials Research</i> , <b>2017</b> , 20, 117-125	1.5	4
55	Mechanical and thermomechanical properties of polyamide 6/Brazilian organoclay nanocomposites. <i>Polimeros</i> , <b>2016</b> , 26, 52-60	1.6	17
54	Efeito dos agentes de compatibilização SBS e SEBS-MA no desempenho de misturas de poliestireno/resíduo de borracha de SBR. <i>Revista Materia</i> , <b>2016</b> , 21, 632-646	0.8	8
53	Hydrolytic and Thermal Degradation of PCL and PCL/Bentonite Compounds. <i>Materials Research</i> , <b>2016</b> , 19, 618-627	1.5	18
52	Desenvolvimento de Blendas Poliméricas visando a Tenacificação dos Polímeros: Uma revisão. <i>Semina: Ciências Exatas E Tecnológicas</i> , <b>2015</b> , 36, 67	0.2	9
51	Estudo do Comportamento Mecânico, Termomecânico e Morfológico de Misturas de Poliestireno/Composto de Borracha Reciclada (SBR). <i>Revista Materia</i> , <b>2015</b> , 20, 322-334	0.8	7
50	ESTUDO DO COMPORTAMENTO DE BLENDDAS DE POLIAMIDA 6/RESÍDUO DE BORRACHA DA INDÚSTRIA DE CALÇADOS <b>2015</b> , 20, 98		8
49	INFLUÊNCIA DA SEQUÊNCIA DE MISTURA NAS PROPRIEDADES DE BLENDDAS DE PS/SBRr COMPATIBILIZADA COM SBS. <i>Tecnologia Em Metalurgia, Materiais E Mineracao</i> , <b>2015</b> , 12, 3-11	1.7	2
48	Mechanical and Morphological Behavior of Blends Obtained from Biopolymers (PLA/PLC). <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 24-28	0.4	
47	Preparation of Poly(Lactic Acid)/Bentonite Clay Bio-Nanocomposite. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 233-237	0.4	3
46	Analysis of the Efficiency of Surface Treatment of Bentonite Clay for Application in Polymeric Membranes. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 493-497	0.4	4
45	Obtenção e Caracterização de Membranas Obtidas a Partir de Blendas Poliméricas de Poliamida 6. <i>Polimeros</i> , <b>2014</b> , 24, 381-387	1.6	5
44	Obtaining of Polyamide 6/Calcined Nickel Ferrite Composite from Different Temperatures. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 107-111	0.4	
43	Study of Morphology Membrane of Polymeric Nanocomposites Obtained by Phases Inversion. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 498-503	0.4	6

42	Structural and Thermomechanical Evaluation of Bionanocomposites Obtained from Biodegradable Polymers with a Organoclay. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 178-182	0.4	1
41	ZnAl <sub>2</sub> O <sub>4</sub> /Chitosan Films and Evaluation of the Influence of ZnAl <sub>2</sub> O <sub>4</sub> Filler on the Films Morphology, Structure and Thermal Properties. <i>Materials Science Forum</i> , <b>2014</b> , 775-776, 692-695	0.4	
40	Influence of Processing Type in the Morphology of Membranes Obtained from PA6/MMT Nanocomposites. <i>Advances in Materials Science and Engineering</i> , <b>2014</b> , 2014, 1-5	1.5	3
39	Influence of Bentonite Clay Content in HDPE Nanocomposites. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1780-1784	0.4	
38	Study Intercalation and Mechanical Properties of Nanocomposites of HDPE/Organoclay. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1785-1788	0.4	
37	Influence of processing variables on the mechanical behavior of HDPE/clay nanocomposites. <i>Materials Research</i> , <b>2012</b> , 15, 477-482	1.5	7
36	Evaluation of impact strength of polyamide 6/bentonite clay nanocomposites. <i>Materials Research</i> , <b>2012</b> , 15, 506-509	1.5	3
35	Study of Polyamide66/Bentonite Clay Hybrid Membranes Obtained by Solution. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1802-1806	0.4	2
34	Influence of Bentonite Clay in the Formation of Polypropylene / Clay Nanocomposites. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 879-883	0.4	
33	Preparation of Organoclay for Polymeric Nanocomposites Membranes. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 899-903	0.4	2
32	Influence of the Polymer Content in the Preparation of Polymeric Membranes. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1706-1710	0.4	2
31	Preparation and Characterization of Composite of Polyamide 6/Nickel Ferrite. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 609-613	0.4	0
30	Systematic Characterization of Different Quaternary Ammonium Salts to be Used in Organoclays. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1552-1556	0.4	1
29	Obtaining of Polymer Films from Nylon 6/Bentonite Clay Nanocomposites: Structural Characterization. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1860-1865	0.4	1
28	Rheological Study of Polyamide 6/Waste Styrene-Butadiene Rubber (SBR) Blends. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1908-1912	0.4	1
27	Polyamide66/National Bentonite Clay Nanocomposites Membranes for Water-Oil Separation. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1807-1811	0.4	4
26	Modification of Brazilian Bentonite Clay for Use Nano-Biocomposites. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 867-872	0.4	
25	Evaluation of the Permeation of O <sub>2</sub> , Co <sub>2</sub> and Water Vapor in Membranes of Polyetherimide/Clay National Nanocomposites. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1570-1573	0.4	

24	Influence of Molecular Weight of Polyamide 6 in Obtaining of Nanocomposites with National Organoclay. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 1711-1716	0.4	2
23	Study of Nanocomposites of Polyamide 6.6/National Bentonite Clay. <i>Materials Science Forum</i> , <b>2012</b> , 727-728, 894-898	0.4	5
22	Polyamide 6 Nanocomposites with Inorganic Particles Modified with Three Quaternary Ammonium Salts. <i>Materials</i> , <b>2011</b> , 4, 1956-1966	3.5	19
21	Comparative Study of Membranes Obtained from PA6 and PA66/National Clay Nanocomposites <b>2011</b> ,		2
20	Membranes from Nylon 6/Regional Bentonite Clay Nanocomposites. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 784-787	0.4	8
19	Use of Brazilian Clay in Nylon 6 with Different Molecular Weight Nanocomposites. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 777-783	0.4	
18	Obtaining Tetracalcium Phosphate and Hydroxyapatite in Powder Form by Wet Method. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 954-958	0.4	
17	Analysis of Used Vegetable Oils Treated with Paraíba/Brazil Clays by Kinematic Viscosity. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 1070-1074	0.4	
16	Development of Polyamide 6/Ferrite Composites for Absorbers of Electromagnetic Radiation. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 922-927	0.4	0
15	Evaluation of the Behavior of Brazilian Bentonite Clays with Different Quantity of Quaternary Ammonium Salt. <i>Materials Science Forum</i> , <b>2010</b> , 660-661, 765-770	0.4	4
14	Mechanical properties of nylon 6/Brazilian clay nanocomposites. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 495, 596-597	5.7	14
13	Structure and mechanical properties of polyamide 6/Brazilian clay nanocomposites. <i>Materials Research</i> , <b>2009</b> , 12, 165-168	1.5	10
12	Preparation and Characterization of Nanocomposites of Polyamide 6/Brazilian Clay with Different Organic Modifiers. <i>Materials Science Forum</i> , <b>2008</b> , 570, 18-23	0.4	6
11	Physical Properties of Nylon 66/Organoclay Nanocomposites. <i>Materials Science Forum</i> , <b>2006</b> , 530-531, 702-708	0.4	5
10	Influence of Organoclay on the Physical Properties of Polyethylene Nanocomposites. <i>Materials Science Forum</i> , <b>2006</b> , 530-531, 709-714	0.4	5
9	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
8	Annealing Effect on Pla/Eva Blends Performance. <i>Journal of Polymers and the Environment</i> , 1	4.5	2
7	The Impact of the Macaíba Components Addition on the Biodegradation Acceleration of Poly (ε-Caprolactone) (PCL). <i>Journal of Polymers and the Environment</i> , 1	4.5	1

6	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
5	From Waste to Reuse: Manufacture of Ecological Composites Based on Biopolyethylene/wood Powder with PE-g-MA and Macaõa Oil. <i>Journal of Polymers and the Environment</i> ,1	4-5	1
4	Additivation 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
3	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
2	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
1	Hollow fiber membranes of polysulfone/attapulgate for oil removal in wastewater. <i>Polymer Bulletin</i> ,1	2-4	1