

Jos Alberto Mndez

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.

58
papers

1,629
citations

24
h-index

39
g-index

61
ext. papers

1,859
ext. citations

5.4
avg, IF

4.51
L-index

#	Paper	IF	Citations
58	Chemical modification of jute fibers for the production of green-composites. <i>Journal of Hazardous Materials</i> , 2007 , 144, 730-5	12.8	164
57	Composite materials derived from biodegradable starch polymer and jute strands. <i>Process Biochemistry</i> , 2007 , 42, 329-334	4.8	126
56	Influence of coupling agents in the preparation of polypropylene composites reinforced with recycled fibers. <i>Chemical Engineering Journal</i> , 2011 , 166, 1170-1178	14.7	84
55	Effect of maleated polypropylene as coupling agent for polypropylene composites reinforced with hemp strands. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 833-840	2.9	80
54	Effect of silane coupling agents on the properties of pine fibers/polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 3706-3717	2.9	67
53	Estimation of the interfacial shears strength, orientation factor and mean equivalent intrinsic tensile strength in old newspaper fiber/polypropylene composites. <i>Composites Part B: Engineering</i> , 2013 , 50, 232-238	10	58
52	Biocomposites based on Alfa fibers and starch-based biopolymer. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 1068-1075	3.2	55
51	Evaluation of the reinforcing effect of ground wood pulp in the preparation of polypropylene-based composites coupled with maleic anhydride grafted polypropylene. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 3588-3596	2.9	54
50	Oxidized dextrans as alternative crosslinking agents for polysaccharides: application to hydrogels of agarose-chitosan. <i>Acta Biomaterialia</i> , 2014 , 10, 798-811	10.8	52
49	Behavior of biocomposite materials from flax strands and starch-based biopolymer. <i>Chemical Engineering Science</i> , 2009 , 64, 2651-2658	4.4	48
48	Towards a good interphase between bleached kraft softwood fibers and poly(lactic) acid. <i>Composites Part B: Engineering</i> , 2016 , 99, 514-520	10	45
47	Composites from poly(lactic acid) and bleached chemical fibres: Thermal properties. <i>Composites Part B: Engineering</i> , 2018 , 134, 169-176	10	44
46	Strong and electrically conductive nanopaper from cellulose nanofibers and polypyrrole. <i>Carbohydrate Polymers</i> , 2016 , 152, 361-369	10.3	44
45	Recycling Ability of Biodegradable Matrices and Their Cellulose-Reinforced Composites in a Plastic Recycling Stream. <i>Journal of Polymers and the Environment</i> , 2012 , 20, 96-103	4.5	43
44	Injectable self-curing bioactive acrylic-glass composites charged with specific anti-inflammatory/analgesic agent. <i>Biomaterials</i> , 2004 , 25, 2381-92	15.6	43
43	Tensile properties and micromechanical analysis of stone groundwood from softwood reinforced bio-based polyamide11 composites. <i>Composites Science and Technology</i> , 2016 , 132, 123-130	8.6	42
42	Bio composite from bleached pine fibers reinforced polylactic acid as a replacement of glass fiber reinforced polypropylene, macro and micro-mechanics of the Young's modulus. <i>Composites Part B: Engineering</i> , 2017 , 125, 203-210	10	40

41	New acrylic bone cements conjugated to vitamin E: curing parameters, properties, and biocompatibility. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 62, 299-307		40
40	Multilayer structures based on annealed electrospun biopolymer coatings of interest in water and aroma barrier fiber-based food packaging applications. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45501	2.9	33
39	Semichemical fibres of <i>Leucaena collinsii</i> reinforced polypropylene composites: Young's modulus analysis and fibre diameter effect on the stiffness. <i>Composites Part B: Engineering</i> , 2016 , 92, 332-337	10	30
38	Impact and flexural properties of stone-ground wood pulp-reinforced polypropylene composites. <i>Polymer Composites</i> , 2013 , 34, 842-848	3	30
37	Recovered and recycled Kraft fibers as reinforcement of PP composites. <i>Chemical Engineering Journal</i> , 2008 , 138, 586-595	14.7	30
36	Self-curing acrylic formulations containing PMMA/PCL composites: properties and antibiotic release behavior. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 61, 66-74		26
35	The role of lignin on the mechanical performance of polylactic acid and jute composites. <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 299-304	7.9	24
34	Bioresorbable and nonresorbable polymers for bone tissue engineering. <i>Current Pharmaceutical Design</i> , 2012 , 18, 2536-57	3.3	23
33	Evaluation of Thermal and Thermomechanical Behaviour of Bio-Based Polyamide 11 Based Composites Reinforced with Lignocellulosic Fibres. <i>Polymers</i> , 2017 , 9,	4.5	22
32	Semichemical fibres of <i>Leucaena collinsii</i> reinforced polypropylene composites: Flexural characterisation, impact behaviour and water uptake properties. <i>Composites Part B: Engineering</i> , 2016 , 97, 176-182	10	20
31	The influence of maleic anhydride-grafted polymers as compatibilizer on the properties of polypropylene and cyclic natural rubber blends. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	17
30	Towards More Sustainable Material Formulations: A Comparative Assessment of PA11-SGW Flexural Performance versus Oil-Based Composites. <i>Polymers</i> , 2018 , 10,	4.5	15
29	BIO-BASED COMPOSITES FROM STONE GROUNDWOOD APPLIED TO NEW PRODUCT DEVELOPMENT. <i>BioResources</i> , 2012 , 7,	1.3	15
28	Photo-activated self-healing bio-based polyurethanes. <i>Industrial Crops and Products</i> , 2019 , 140, 111613	5.9	14
27	Evaluation of the influence of the addition of biodegradable polymer matrices in the formulation of self-curing polymer systems for biomedical purposes. <i>Acta Biomaterialia</i> , 2009 , 5, 2953-62	10.8	14
26	Thermal and Morphology Properties of Cellulose Nanofiber from TEMPO-oxidized Lower part of Empty Fruit Bunches (LEFB). <i>Open Chemistry</i> , 2019 , 17, 526-536	1.6	13
25	Determination of Mean Intrinsic Flexural Strength and Coupling Factor of Natural Fiber Reinforcement in Polylactic Acid Biocomposites. <i>Polymers</i> , 2019 , 11,	4.5	13
24	Thermoplastic Starch-based Composites Reinforced with Rape Fibers: Water Uptake and Thermomechanical Properties. <i>BioResources</i> , 2013 , 8,	1.3	13

23	Combined effect of carbon nanotubes and polypyrrole on the electrical properties of cellulose-nanopaper. <i>Cellulose</i> , 2016 , 23, 3925-3937	5.5	12
22	Impact Strength and Water Uptake Behaviors of Fully Bio-Based PA11-SGW Composites. <i>Polymers</i> , 2018 , 10,	4.5	12
21	An Evolutionary Approach to the Estimation of Reactivity Ratios. <i>Macromolecular Theory and Simulations</i> , 2002 , 11, 525	1.5	12
20	Acrylic-phosphate glasses composites as self-curing controlled delivery systems of antibiotics. <i>Journal of Materials Science: Materials in Medicine</i> , 2002 , 13, 1251-7	4.5	11
19	Preparation and properties of biocomposites based on jute fibers and blend of plasticized starch and poly(β-hydroxybutyrate). <i>Journal of Applied Polymer Science</i> , 2009 , 114, 313-321	2.9	9
18	Polypropylene reinforced with semi-chemical fibres of <i>Leucaena collinsii</i> : Thermal properties. <i>Composites Part B: Engineering</i> , 2016 , 94, 75-81	1.0	8
17	Bleached Kraft Eucalyptus Fibers as Reinforcement of Poly(Lactic Acid) for the Development of High-Performance Biocomposites. <i>Polymers</i> , 2018 , 10,	4.5	8
16	Thermal and dynamic mechanical characterization of acrylic bone cements modified with biodegradable polymers. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 3455-3464	2.9	8
15	Improved Process to Obtain Nanofibrillated Cellulose (CNF) Reinforced Starch Films with Upgraded Mechanical Properties and Barrier Character. <i>Polymers</i> , 2020 , 12,	4.5	7
14	Synthesis, characterization and applications of amphiphilic elastomeric polyurethane networks in drug delivery. <i>Polymer Journal</i> , 2013 , 45, 331-338	2.7	7
13	Orange Wood Fiber Reinforced Polypropylene Composites: Thermal Properties. <i>BioResources</i> , 2015 , 10,	1.3	7
12	STONE-GROUND WOOD PULP-REINFORCED POLYPROPYLENE COMPOSITES: WATER UPTAKE AND THERMAL PROPERTIES. <i>BioResources</i> , 2012 , 7,	1.3	7
11	Nanocomposites Materials of PLA Reinforced with Nanoclays Using a Masterbatch Technology: A Study of the Mechanical Performance and Its Sustainability. <i>Polymers</i> , 2021 , 13,	4.5	7
10	Cellulose polymer composites (WPC) 2017 , 115-139		5
9	Nanoclay Effect into the Biodegradation and Processability of Poly(lactic acid) Nanocomposites for Food Packaging. <i>Polymers</i> , 2021 , 13,	4.5	5
8	Bleached kraft softwood fibers reinforced polylactic acid composites, tensile and flexural strengths 2017 , 73-90		4
7	OIL PALM-BASED NANOCRYSTALLINE CELLULOSE IN THE EMULSION SYSTEM OF CYCLIC NATURAL RUBBER. <i>Rasayan Journal of Chemistry</i> , 2019 , 12, 635-640	1.6	4
6	Impact Strength and Water Uptake Behavior of Bleached Kraft Softwood-Reinforced PLA Composites as Alternative to PP-Based Materials. <i>Polymers</i> , 2020 , 12,	4.5	4

5	Process and recyclability analyses of innovative bio-composite for tray. <i>Packaging Technology and Science</i> , 2010 , 23, 177-188	2.3	3
4	Synthesis and characterization of self-curing hydrophilic bone cements for protein delivery. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015 , 103, 992-1001	3.5	2
3	Compatibility and Wettability of Polypropylene-Cyclic Natural Rubber-Nanocrystal Celulose Nanocomposites Containing Methacrylic Acid and Methylacrylate as Coagents. <i>Journal of Physics: Conference Series</i> , 2018 , 1120, 012087	0.3	2
2	Multicolor PEGDA/LCNF Hydrogel in the Presence of Red Cabbage Anthocyanin Extract. <i>Gels</i> , 2021 , 7,	4.2	1
1	Influence of nanocellulose in the emulsion system of resiprene-35 containing Lutrol F127 and Tween80 2018 ,		1