Mnica Ardanuy

List of Publications by Year in Descending Order

62 papers	1,430 citations	20 h-index	36 g-index
64 ext. papers	1,729 ext. citations	4.7 avg, IF	5.07 L-index

#	Paper	IF	Citations
62	Experimental characterization of comfort performance parameters and multi-criteria sustainability assessment of recycled textile-reinforced cement facade cladding. *Journal of Cleaner Production*, **2022**, 356, 131900	10.3	2
61	Characterization of a textile waste nonwoven fabric reinforced cement composite for non-structural building components. *Construction and Building Materials*, **2021**, 276, 122179	6.7	14
60	Mechanical and durability characterization of a new textile waste micro-fiber reinforced cement composite for building applications. *Case Studies in Construction Materials*, **2021**, 14, e00492	2.7	12
59	A Textile Waste Fiber-Reinforced Cement Composite: Comparison between Short Random Fiber and Textile Reinforcement. *Materials*, **2021**, 14,	3.5	6
58	Study of the fire and thermal behaviour of façade panels made of natural fibre-reinforced cement-based composites. *Construction and Building Materials*, **2021**, 302, 124195	6.7	5
57	New strategy for grafting hydrophobization of lignocellulosic fiber materials with octadecylamine using a laccase/TEMPO system. *International Journal of Biological Macromolecules*, **2020**, 160, 192-200	7.9	2
56	Surface modification of flax nonwovens for the development of sustainable, high performance, and durable calcium aluminate cement composites. *Composites Part B: Engineering*, **2020**, 191, 107955	10	11
55	Evolution of Interfacial Shear Strength and Mean Intrinsic Single Strength in Biobased Composites from Bio-Polyethylene and Thermo-Mechanical Pulp-Corn Stover Fibers. *Polymers*, **2020**, 12,	4.5	6
54	Evaluation of the mechanical performance and durability of binary blended CAC-MK/natural fibe composites. *Construction and Building Materials*, **2020**, 251, 118919	6.7	6
53	Thermodynamic and kinetic parameters of polyester dyeing with Disperse Blue 56 using bio-based auxiliaries and co-solvent microemulsion. *Textile Reseach Journal*, **2020**, 90, 523-536	1.7	2
52	Material characterization and Monte Carlo simulation of lead and non-lead X-Ray shielding materials. *Radiation Physics and Chemistry*, **2020**, 174, 108892	2.5	4
51	Assessment of chemical and mechanical behavior of bamboo pulp and nanofibrillated cellulose exposed to alkaline environments. *Cellulose*, **2019**, 26, 9269-9285	5.5	7
50	Research on the use of lignocellulosic fibers reinforced bio-polyamide 11 with composites for automotive parts: Car door handle case study. *Journal of Cleaner Production*, **2019**, 226, 64-73	10.3	34
49	Effect of nanocelluloses on the microstructure and mechanical performance of CAC cementitious matrices. *Cement and Concrete Research*, **2019**, 119, 64-76	10.3	23
48	Kinetics of Low Temperature Polyester Dyeing with High Molecular Weight Disperse Dyes by Solvent Microemulsion and AgroSourced Auxiliaries. *Polymers*, **2018**, 10,	4.5	16
47	Gas Dissolution Foaming as a Novel Approach for the Production of Lightweight Biocomposites of PHB/Natural Fibre Fabrics. *Polymers*, **2018**, 10,	4.5	10
46	Towards More Sustainable Material Formulations: A Comparative Assessment of PA11-SGW Flexural Performance versus Oil-Based Composites. *Polymers*, **2018**, 10,	4.5	15

45	Impact Strength and Water Uptake Behaviors of Fully Bio-Based PA11-SGW Composites. *Polymers*, **2018**, 10,	4.5	12
44	Rheology of CAC-based cement pastes and the relationship to penetrability through nonwoven fabric reinforcements. *Cement and Concrete Composites*, **2018**, 94, 85-93	8.6	9
43	Mechanical Performance of Flax Nonwoven-Calcium Aluminate Cement Composites. *RILEM Bookseries*, **2018**, 375-382	0.5	3
42	Study of the flexural modulus of lignocellulosic fibers reinforced bio-based polyamide11 green composites. *Composites Part B: Engineering*, **2018**, 152, 126-132	10	15
41	Effects of hydrothermal aging on the water uptake and tensile properties of PHB/flax fabric biocomposites. *Polymer Degradation and Stability*, **2017**, 142, 129-138	4.7	22
40	Evaluation of Thermal and Thermomechanical Behaviour of Bio-Based Polyamide 11 Based Composites Reinforced with Lignocellulosic Fibres. *Polymers*, **2017**, 9,	4.5	22
39	Behavior of the interphase of dyed cotton residue flocks reinforced polypropylene composites. *Composites Part B: Engineering*, **2017**, 128, 200-207	10	26
38	Using vegetable fiber nonwovens cement composites as sustainable materials for applications on ventilated fa□de systems **2017**, 385-397		1
37	Tensile and Flexural Properties of Cement Composites Reinforced with Flax Nonwoven Fabrics. *Materials*, **2017**, 10,	3.5	22
36	Effects of Wet/Dry-Cycling and Plasma Treatments on the Properties of Flax Nonwovens Intended for Composite Reinforcing. *Materials*, **2016**, 9,	3.5	12
35	Natural fiber nonwoven reinforced cement composites as sustainable materials for building envelopes. *Construction and Building Materials*, **2016**, 115, 230-239	6.7	70
34	Effect of chain extender and water-quenching on the properties of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) foams for its production by extrusion foaming. *European Polymer Journal*, **2016**, 85, 14-25	5.2	8
33	Characterization and Treatments of Oil Palm Frond Fibers and Its Suitability for Technical Applications. *Journal of Natural Fibers*, **2015**, 12, 84-95	1.8	4
32	Cellular structure and mechanical properties of starch-based foamed blocks reinforced with natural fibers and produced by microwave heating. *Industrial Crops and Products*, **2015**, 66, 194-205	5.9	39
31	Wet/Dry Cycling Durability of Cement Mortar Composites Reinforced with Micro- and Nanoscale Cellulose Pulps. *BioResources*, **2015**, 10,	1.3	15
30	Effect of Water Treatment on the Fiber□Matrix Bonding and Durability of Cellulose Fiber Cement Composites. *Journal of Biobased Materials and Bioenergy*, **2015**, 9, 486-492	1.4	3
29	Cellulosic fiber reinforced cement-based composites: A review of recent research. *Construction and Building Materials*, **2015**, 79, 115-128	6.7	332
28	Autoclaved cellulose fibre reinforced cement: Effects of silica fume. *Construction and Building Materials*, **2014**, 66, 138-145	6.7	11

27	Preparation of durable insecticide cotton fabrics through sol–gel treatment with permethrin. *Surface and Coatings Technology*, **2014**, 239, 132-137	4.4	14
26	Effects of needling parameters on some structural and physico-mechanical properties of needle-punched nonwovens. *Journal of the Textile Institute*, **2014**, 105, 1065-1075	1.5	18
25	Strategies to Improve the Mechanical Properties of Starch-Based Materials: Plasticization and Natural Fibers Reinforcement. *Polimeros*, **2014**, 24, 36-42	1.6	24
24	Abrasive Elements and Abrasion Resistance Tests for Car Seat Upholstery. *Journal of Engineered Fibers and Fabrics*, **2013**, 8, 155892501300800	0.9	2
23	Vegetable fibres from agricultural residues as thermo-mechanical reinforcement in recycled polypropylene-based green foams. *Waste Management*, **2012**, 32, 256-63	8.6	35
22	Foaming behavior, cellular structure and physical properties of polybenzoxazine foams. *Polymers for Advanced Technologies*, **2012**, 23, 841-849	3.2	9
21	Evaluation of durability to wet/dry cycling of cement mortar composites reinforced with nanofibrillated cellulose **2012**, 33-41		7
20	Layered double hydroxides (LDHs) as functional fillers in polymer nanocomposites **2012**, 91-130		10
19	Mg–Al Layered double hydroxide nanoparticles. *Applied Clay Science*, **2011**, 51, 341-347	5.2	47
18	Mechanical Properties and Morphology of Multifunctional Polypropylene Foams. *Frontiers in Forests and Global Change*, **2011**, 30, 187-200	1.6	9
17	Fiber-matrix interactions in cement mortar composites reinforced with cellulosic fibers. *Cellulose*, **2011**, 18, 281-289	5.5	69
16	Characterization of rigid polypropylene-based microcellular foams produced by batch foaming processes. *Polymer Engineering and Science*, **2011**, 51, 2120-2128	2.3	24
15	The hornification of vegetable fibers to improve the durability of cement mortar composites. *Cement and Concrete Composites*, **2011**, 33, 586-595	8.6	127
14	Electrical conductivity and mechanical properties of vapor-grown carbon nanofibers/trifunctional epoxy composites prepared by direct mixing. *Composites Part B: Engineering*, **2011**, 42, 675-681	10	37
13	Preparation and Characterization of Cellulosic Fibre-Reinforced Polypropylene Foams. *Advanced Materials Research*, **2010**, 123-125, 1183-1186	0.5	2
12	Effect of drying and rewetting cycles on the structure and physicochemical characteristics of softwood fibres for reinforcement of cementitious composites. *Carbohydrate Polymers*, **2010**, 79, 200-205	10.3	59
11	Influence of EMAA compatibilizer on the structure and properties of HDPE/hydrotalcite nanocomposites prepared by melt mixing. *Journal of Applied Polymer Science*, **2009**, 113, 950-958	2.9	17
10	Structure and properties of polypropylene/hydrotalcite nanocomposites. *Polymer Composites*, **2009** , 31, NA-NA	3	2

9	Non-isothermal crystallization kinetics and activity of filler in polypropylene/MgAl layered double hydroxide nanocomposites. *Thermochimica Acta*, **2008**, 479, 45-52	2.9	37
8	The role of poly(ethylene terephthalate-co-isophthalate) as interfacial agent in polypropylene matrix composites. *Journal of Materials Science*, **2007**, 42, 2782-2791	4.3	3
7	Polypropylene/clay nanocomposites: Combined effects of clay treatment and compatibilizer polymers on the structure and properties. *Journal of Applied Polymer Science*, **2006**, 102, 1213-1223	2.9	30
6	Poly(propylene)/PET/Undecyl Ammonium Montmorillonite Nanocomposites. Synthesis and Characterization. *Macromolecular Symposia*, **2005**, 221, 63-74	0.8	13
5	Relationship between Flavor Dilution Values and Odor Unit Values in Hydroalcoholic Solutions: Role of Volatility and a Practical Rule for Its Estimation. *Journal of Agricultural and Food Chemistry*, **1998**, 46, 4341-4346	5.7	28
4	Rheology, Mechanical Performance and Penetrability through Flax Nonwoven Fabrics of Lime Pastes		1
3	Effects of the fabric substrate on performance and durability of textile-embroidered dipole antennas. *Textile Reseach Journal*,004051752110149	1.7	2
2	Laccase/TEMPO-mediated Graft Hydrophobization of Jute Fibers to Enhance the Mechanical Properties of Jute/PLA Composites. *Fibers and Polymers*,1	2	
1	Design of woven meta-materials for electronic textiles for functional applications. *Journal of the Textile Institute*,1-11	1.5	0