

Mnica Ardanuy

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.

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 | Cellulosic fiber reinforced cement-based composites: A review of recent research. <i>Construction and Building Materials</i> , 2015 , 79, 115-128 | 6.7 | 332 |
| 61 | The hornification of vegetable fibers to improve the durability of cement mortar composites. <i>Cement and Concrete Composites</i> , 2011 , 33, 586-595 | 8.6 | 127 |
| 60 | Natural fiber nonwoven reinforced cement composites as sustainable materials for building envelopes. <i>Construction and Building Materials</i> , 2016 , 115, 230-239 | 6.7 | 70 |
| 59 | Fiber-matrix interactions in cement mortar composites reinforced with cellulosic fibers. <i>Cellulose</i> , 2011 , 18, 281-289 | 5.5 | 69 |
| 58 | Effect of drying and rewetting cycles on the structure and physicochemical characteristics of softwood fibres for reinforcement of cementitious composites. <i>Carbohydrate Polymers</i> , 2010 , 79, 200-205 | 10.3 | 59 |
| 57 | MgAl Layered double hydroxide nanoparticles. <i>Applied Clay Science</i> , 2011 , 51, 341-347 | 5.2 | 47 |
| 56 | Cellular structure and mechanical properties of starch-based foamed blocks reinforced with natural fibers and produced by microwave heating. <i>Industrial Crops and Products</i> , 2015 , 66, 194-205 | 5.9 | 39 |
| 55 | Electrical conductivity and mechanical properties of vapor-grown carbon nanofibers/trifunctional epoxy composites prepared by direct mixing. <i>Composites Part B: Engineering</i> , 2011 , 42, 675-681 | 10 | 37 |
| 54 | Non-isothermal crystallization kinetics and activity of filler in polypropylene/MgAl layered double hydroxide nanocomposites. <i>Thermochimica Acta</i> , 2008 , 479, 45-52 | 2.9 | 37 |
| 53 | Vegetable fibres from agricultural residues as thermo-mechanical reinforcement in recycled polypropylene-based green foams. <i>Waste Management</i> , 2012 , 32, 256-63 | 8.6 | 35 |
| 52 | Research on the use of lignocellulosic fibers reinforced bio-polyamide 11 with composites for automotive parts: Car door handle case study. <i>Journal of Cleaner Production</i> , 2019 , 226, 64-73 | 10.3 | 34 |
| 51 | Polypropylene/clay nanocomposites: Combined effects of clay treatment and compatibilizer polymers on the structure and properties. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1213-1223 | 2.9 | 30 |
| 50 | Relationship between Flavor Dilution Values and Odor Unit Values in Hydroalcoholic Solutions: Role of Volatility and a Practical Rule for Its Estimation. <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 4341-4346 | 5.7 | 28 |
| 49 | Behavior of the interphase of dyed cotton residue flocks reinforced polypropylene composites. <i>Composites Part B: Engineering</i> , 2017 , 128, 200-207 | 10 | 26 |
| 48 | Characterization of rigid polypropylene-based microcellular foams produced by batch foaming processes. <i>Polymer Engineering and Science</i> , 2011 , 51, 2120-2128 | 2.3 | 24 |
| 47 | Strategies to Improve the Mechanical Properties of Starch-Based Materials: Plasticization and Natural Fibers Reinforcement. <i>Polimeros</i> , 2014 , 24, 36-42 | 1.6 | 24 |
| 46 | Effect of nanocelluloses on the microstructure and mechanical performance of CAC cementitious matrices. <i>Cement and Concrete Research</i> , 2019 , 119, 64-76 | 10.3 | 23 |

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| 45 | Effects of hydrothermal aging on the water uptake and tensile properties of PHB/flax fabric biocomposites. <i>Polymer Degradation and Stability</i> , 2017 , 142, 129-138 | 4.7 | 22 |
| 44 | 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 |
| 43 | Tensile and Flexural Properties of Cement Composites Reinforced with Flax Nonwoven Fabrics. <i>Materials</i> , 2017 , 10, | 3.5 | 22 |
| 42 | Effects of needling parameters on some structural and physico-mechanical properties of needle-punched nonwovens. <i>Journal of the Textile Institute</i> , 2014 , 105, 1065-1075 | 1.5 | 18 |
| 41 | Influence of EMAA compatibilizer on the structure and properties of HDPE/hydrocalcite nanocomposites prepared by melt mixing. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 950-958 | 2.9 | 17 |
| 40 | Kinetics of Low Temperature Polyester Dyeing with High Molecular Weight Disperse Dyes by Solvent Microemulsion and AgroSourced Auxiliaries. <i>Polymers</i> , 2018 , 10, | 4.5 | 16 |
| 39 | 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 |
| 38 | Wet/Dry Cycling Durability of Cement Mortar Composites Reinforced with Micro- and Nanoscale Cellulose Pulps. <i>BioResources</i> , 2015 , 10, | 1.3 | 15 |
| 37 | Study of the flexural modulus of lignocellulosic fibers reinforced bio-based polyamide11 green composites. <i>Composites Part B: Engineering</i> , 2018 , 152, 126-132 | 10 | 15 |
| 36 | Preparation of durable insecticide cotton fabrics through sol-gel treatment with permethrin. <i>Surface and Coatings Technology</i> , 2014 , 239, 132-137 | 4.4 | 14 |
| 35 | Characterization of a textile waste nonwoven fabric reinforced cement composite for non-structural building components. <i>Construction and Building Materials</i> , 2021 , 276, 122179 | 6.7 | 14 |
| 34 | Poly(propylene)/PET/Undecyl Ammonium Montmorillonite Nanocomposites. Synthesis and Characterization. <i>Macromolecular Symposia</i> , 2005 , 221, 63-74 | 0.8 | 13 |
| 33 | Impact Strength and Water Uptake Behaviors of Fully Bio-Based PA11-SGW Composites. <i>Polymers</i> , 2018 , 10, | 4.5 | 12 |
| 32 | Mechanical and durability characterization of a new textile waste micro-fiber reinforced cement composite for building applications. <i>Case Studies in Construction Materials</i> , 2021 , 14, e00492 | 2.7 | 12 |
| 31 | Effects of Wet/Dry-Cycling and Plasma Treatments on the Properties of Flax Nonwovens Intended for Composite Reinforcing. <i>Materials</i> , 2016 , 9, | 3.5 | 12 |
| 30 | Surface modification of flax nonwovens for the development of sustainable, high performance, and durable calcium aluminate cement composites. <i>Composites Part B: Engineering</i> , 2020 , 191, 107955 | 10 | 11 |
| 29 | Autoclaved cellulose fibre reinforced cement: Effects of silica fume. <i>Construction and Building Materials</i> , 2014 , 66, 138-145 | 6.7 | 11 |
| 28 | Gas Dissolution Foaming as a Novel Approach for the Production of Lightweight Biocomposites of PHB/Natural Fibre Fabrics. <i>Polymers</i> , 2018 , 10, | 4.5 | 10 |

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| 27 | Layered double hydroxides (LDHs) as functional fillers in polymer nanocomposites 2012 , 91-130 | | 10 |
| 26 | Rheology of CAC-based cement pastes and the relationship to penetrability through nonwoven fabric reinforcements. <i>Cement and Concrete Composites</i> , 2018 , 94, 85-93 | 8.6 | 9 |
| 25 | Foaming behavior, cellular structure and physical properties of polybenzoxazine foams. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 841-849 | 3.2 | 9 |
| 24 | Mechanical Properties and Morphology of Multifunctional Polypropylene Foams. <i>Frontiers in Forests and Global Change</i> , 2011 , 30, 187-200 | 1.6 | 9 |
| 23 | Effect of chain extender and water-quenching on the properties of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) foams for its production by extrusion foaming. <i>European Polymer Journal</i> , 2016 , 85, 14-25 | 5.2 | 8 |
| 22 | Assessment of chemical and mechanical behavior of bamboo pulp and nanofibrillated cellulose exposed to alkaline environments. <i>Cellulose</i> , 2019 , 26, 9269-9285 | 5.5 | 7 |
| 21 | Evaluation of durability to wet/dry cycling of cement mortar composites reinforced with nanofibrillated cellulose 2012 , 33-41 | | 7 |
| 20 | Evolution of Interfacial Shear Strength and Mean Intrinsic Single Strength in Biobased Composites from Bio-Polyethylene and Thermo-Mechanical Pulp-Corn Stover Fibers. <i>Polymers</i> , 2020 , 12, | 4.5 | 6 |
| 19 | Evaluation of the mechanical performance and durability of binary blended CAC-MK/natural fiber composites. <i>Construction and Building Materials</i> , 2020 , 251, 118919 | 6.7 | 6 |
| 18 | A Textile Waste Fiber-Reinforced Cement Composite: Comparison between Short Random Fiber and Textile Reinforcement. <i>Materials</i> , 2021 , 14, | 3.5 | 6 |
| 17 | Study of the fire and thermal behaviour of façade panels made of natural fibre-reinforced cement-based composites. <i>Construction and Building Materials</i> , 2021 , 302, 124195 | 6.7 | 5 |
| 16 | Characterization and Treatments of Oil Palm Frond Fibers and Its Suitability for Technical Applications. <i>Journal of Natural Fibers</i> , 2015 , 12, 84-95 | 1.8 | 4 |
| 15 | Material characterization and Monte Carlo simulation of lead and non-lead X-Ray shielding materials. <i>Radiation Physics and Chemistry</i> , 2020 , 174, 108892 | 2.5 | 4 |
| 14 | Effect of Water Treatment on the FiberMatrix Bonding and Durability of Cellulose Fiber Cement Composites. <i>Journal of Biobased Materials and Bioenergy</i> , 2015 , 9, 486-492 | 1.4 | 3 |
| 13 | The role of poly(ethylene terephthalate-co-isophthalate) as interfacial agent in polypropyleneMatrix composites. <i>Journal of Materials Science</i> , 2007 , 42, 2782-2791 | 4.3 | 3 |
| 12 | Mechanical Performance of Flax Nonwoven-Calcium Aluminate Cement Composites. <i>RILEM Bookseries</i> , 2018 , 375-382 | 0.5 | 3 |
| 11 | New strategy for grafting hydrophobization of lignocellulosic fiber materials with octadecylamine using a laccase/TEMPO system. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 192-200 | 7.9 | 2 |
| 10 | Abrasive Elements and Abrasion Resistance Tests for Car Seat Upholstery. <i>Journal of Engineered Fibers and Fabrics</i> , 2013 , 8, 155892501300800 | 0.9 | 2 |

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| 9 | Preparation and Characterization of Cellulosic Fibre-Reinforced Polypropylene Foams. <i>Advanced Materials Research</i> , 2010 , 123-125, 1183-1186 | 0.5 | 2 |
| 8 | Structure and properties of polypropylene/hydrocalcite nanocomposites. <i>Polymer Composites</i> , 2009 , 31, NA-NA | 3 | 2 |
| 7 | Effects of the fabric substrate on performance and durability of textile-embroidered dipole antennas. <i>Textile Reseach Journal</i> ,004051752110149 | 1.7 | 2 |
| 6 | Thermodynamic and kinetic parameters of polyester dyeing with Disperse Blue 56 using bio-based auxiliaries and co-solvent microemulsion. <i>Textile Reseach Journal</i> , 2020 , 90, 523-536 | 1.7 | 2 |
| 5 | Experimental characterization of comfort performance parameters and multi-criteria sustainability assessment of recycled textile-reinforced cement facade cladding. <i>Journal of Cleaner Production</i> , 2022 , 356, 131900 | 10.3 | 2 |
| 4 | Using vegetable fiber nonwovens cement composites as sustainable materials for applications on ventilated façade systems 2017 , 385-397 | | 1 |
| 3 | Rheology, Mechanical Performance and Penetrability through Flax Nonwoven Fabrics of Lime Pastes | | 1 |
| 2 | Design of woven meta-materials for electronic textiles for functional applications. <i>Journal of the Textile Institute</i> ,1-11 | 1.5 | 0 |
| 1 | Laccase/TEMPO-mediated Graft Hydrophobization of Jute Fibers to Enhance the Mechanical Properties of Jute/PLA Composites. <i>Fibers and Polymers</i> ,1 | 2 | |