

MÃ²nica Ardanuy

List of Publications by Year in descending order

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64
papers

2,089
citations

279487

23
h-index

243296

44
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all docs

64
docs citations

64
times ranked

1953
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulosic fiber reinforced cement-based composites: A review of recent research. <i>Construction and Building Materials</i> , 2015, 79, 115-128.	3.2	476
2	The hornification of vegetable fibers to improve the durability of cement mortar composites. <i>Cement and Concrete Composites</i> , 2011, 33, 586-595.	4.6	177
3	Fiber-matrix interactions in cement mortar composites reinforced with cellulosic fibers. <i>Cellulose</i> , 2011, 18, 281-289.	2.4	100
4	Natural fiber nonwoven reinforced cement composites as sustainable materials for building envelopes. <i>Construction and Building Materials</i> , 2016, 115, 230-239.	3.2	95
5	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.	5.1	80
6	MgAl Layered double hydroxide nanoparticles. <i>Applied Clay Science</i> , 2011, 51, 341-347.	2.6	57
7	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.	2.5	54
8	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.	4.6	52
9	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.	5.9	43
10	Non-isothermal crystallization kinetics and activity of filler in polypropylene/MgAl layered double hydroxide nanocomposites. <i>Thermochimica Acta</i> , 2008, 479, 45-52.	1.2	40
11	Vegetable fibres from agricultural residues as thermo-mechanical reinforcement in recycled polypropylene-based green foams. <i>Waste Management</i> , 2012, 32, 256-263.	3.7	40
12	Behavior of the interphase of dyed cotton residue flocks reinforced polypropylene composites. <i>Composites Part B: Engineering</i> , 2017, 128, 200-207.	5.9	39
13	Effect of nanocelluloses on the microstructure and mechanical performance of CAC cementitious matrices. <i>Cement and Concrete Research</i> , 2019, 119, 64-76.	4.6	39
14	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.	2.7	38
15	Characterization of a textile waste nonwoven fabric reinforced cement composite for non-structural building components. <i>Construction and Building Materials</i> , 2021, 276, 122179.	3.2	36
16	Tensile and Flexural Properties of Cement Composites Reinforced with Flax Nonwoven Fabrics. <i>Materials</i> , 2017, 10, 215.	1.3	35
17	Strategies to Improve the Mechanical Properties of Starch-Based Materials: Plasticization and Natural Fibers Reinforcement. <i>Polimeros</i> , 2014, 24, 36-42.	0.2	35
18	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.	1.3	34

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19	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.	0.8	34
20	Relationship between Flavor Dilution Values and Odor Unit Values in Hydroalcoholic Solutions:Â Role of Volatility and a Practical Rule for Its Estimation. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 4341-4346.	2.4	33
21	A Textile Waste Fiber-Reinforced Cement Composite: Comparison between Short Random Fiber and Textile Reinforcement. <i>Materials</i> , 2021, 14, 3742.	1.3	32
22	Characterization of rigid polypropyleneâ€based microcellular foams produced by batch foaming processes. <i>Polymer Engineering and Science</i> , 2011, 51, 2120-2128.	1.5	27
23	Evaluation of Thermal and Thermomechanical Behaviour of Bio-Based Polyamide 11 Based Composites Reinforced with Lignocellulosic Fibres. <i>Polymers</i> , 2017, 9, 522.	2.0	26
24	Kinetics of Low Temperature Polyester Dyeing with High Molecular Weight Disperse Dyes by Solvent Microemulsion and AgroSourced Auxiliaries. <i>Polymers</i> , 2018, 10, 200.	2.0	25
25	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.	1.0	24
26	Study of the flexural modulus of lignocellulosic fibers reinforced bio-based polyamide11 green composites. <i>Composites Part B: Engineering</i> , 2018, 152, 126-132.	5.9	23
27	Wet/Dry Cycling Durability of Cement Mortar Composites Reinforced with Micro- and Nanoscale Cellulose Pulps. <i>BioResources</i> , 2015, 10, .	0.5	22
28	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.	5.9	20
29	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.	4.6	20
30	Effects of Wet/Dry-Cycling and Plasma Treatments on the Properties of Flax Nonwovens Intended for Composite Reinforcing. <i>Materials</i> , 2016, 9, 93.	1.3	19
31	Impact Strength and Water Uptake Behaviors of Fully Bio-Based PA11-SGW Composites. <i>Polymers</i> , 2018, 10, 717.	2.0	19
32	Influence of EMAA compatibilizer on the structure and properties of HDPE/hydrotalcite nanocomposites prepared by melt mixing. <i>Journal of Applied Polymer Science</i> , 2009, 113, 950-958.	1.3	18
33	Towards More Sustainable Material Formulations: A Comparative Assessment of PA11-SGW Flexural Performance versus Oil-Based Composites. <i>Polymers</i> , 2018, 10, 440.	2.0	18
34	Preparation of durable insecticide cotton fabrics through solâ€gel treatment with permethrin. <i>Surface and Coatings Technology</i> , 2014, 239, 132-137.	2.2	17
35	Study of the fire and thermal behaviour of faÃ§ade panels made of natural fibre-reinforced cement-based composites. <i>Construction and Building Materials</i> , 2021, 302, 124195.	3.2	17
36	Layered double hydroxides (LDHs) as functional fillers in polymer nanocomposites. , 2012, , 91-130.		16

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37	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.	4.6	16
38	Assessment of chemical and mechanical behavior of bamboo pulp and nanofibrillated cellulose exposed to alkaline environments. <i>Cellulose</i> , 2019, 26, 9269-9285.	2.4	16
39	Material characterization and Monte Carlo simulation of lead and non-lead X-Ray shielding materials. <i>Radiation Physics and Chemistry</i> , 2020, 174, 108892.	1.4	16
40	Gas Dissolution Foaming as a Novel Approach for the Production of Lightweight Biocomposites of PHB/Natural Fibre Fabrics. <i>Polymers</i> , 2018, 10, 249.	2.0	15
41	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, 1308.	2.0	15
42	Autoclaved cellulose fibre reinforced cement: Effects of silica fume. <i>Construction and Building Materials</i> , 2014, 66, 138-145.	3.2	14
43	Poly(propylene)/PET/Undecyl Ammonium Montmorillonite Nanocomposites. Synthesis and Characterization. <i>Macromolecular Symposia</i> , 2005, 221, 63-74.	0.4	13
44	Evaluation of durability to wet/dry cycling of cement mortar composites reinforced with nanofibrillated cellulose. , 2012, , 33-41.		10
45	Evaluation of the mechanical performance and durability of binary blended CAC-MK/natural fibre composites. <i>Construction and Building Materials</i> , 2020, 251, 118919.	3.2	10
46	Mechanical Properties and Morphology of Multifunctional Polypropylene Foams. <i>Frontiers in Forests and Global Change</i> , 2011, 30, 187-200.	0.6	9
47	Foaming behavior, cellular structure and physical properties of polybenzoxazine foams. <i>Polymers for Advanced Technologies</i> , 2012, 23, 841-849.	1.6	9
48	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.	2.6	9
49	Interface Strength and Fiber Content Influence on Corn Stover Fibers Reinforced Bio-Polyethylene Composites Stiffness. <i>Polymers</i> , 2021, 13, 768.	2.0	9
50	Structure and properties of polypropylene/hydroxycalcite nanocomposites. <i>Polymer Composites</i> , 2010, 31, 870-878.	2.3	8
51	Abrasive Elements and Abrasion Resistance Tests for Car Seat Upholstery. <i>Journal of Engineered Fibers and Fabrics</i> , 2013, 8, 155892501300800.	0.5	5
52	Characterization and Treatments of Oil Palm Frond Fibers and Its Suitability for Technical Applications. <i>Journal of Natural Fibers</i> , 2015, 12, 84-95.	1.7	5
53	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.	3.6	5
54	The role of poly(ethylene terephthalate-co-isophthalate) as interfacial agent in polypropylene matrix composites. <i>Journal of Materials Science</i> , 2007, 42, 2782-2791.	1.7	3

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55	The effect of anionic clay particles on the structure and thermomechanical behavior of sodium partially-neutralized EMAA ionomer. <i>Journal of Applied Polymer Science</i> , 2010, 116, NA-NA.	1.3	3
56	Effect of Water Treatment on the Fiber-Matrix Bonding and Durability of Cellulose Fiber Cement Composites. <i>Journal of Biobased Materials and Bioenergy</i> , 2015, 9, 486-492.	0.1	3
57	Thermodynamic and kinetic parameters of polyester dyeing with Disperse Blue 56 using bio-based auxiliaries and co-solvent microemulsion. <i>Textile Research Journal</i> , 2020, 90, 523-536.	1.1	3
58	Effects of the fabric substrate on performance and durability of textile-embroidered dipole antennas. <i>Textile Research Journal</i> , 2022, 92, 2808-2817.	1.1	3
59	Mechanical Performance of Flax Nonwoven-Calcium Aluminate Cement Composites. <i>RILEM Bookseries</i> , 2018, , 375-382.	0.2	3
60	Rheology, Mechanical Performance and Penetrability through Flax Nonwoven Fabrics of Lime Pastes. , 0, , .		3
61	Preparation and Characterization of Cellulosic Fibre-Reinforced Polypropylene Foams. <i>Advanced Materials Research</i> , 2010, 123-125, 1183-1186.	0.3	2
62	Using vegetable fiber nonwovens cement composites as sustainable materials for applications on ventilated façade systems. , 2017, , 385-397.		1
63	Design of woven meta-materials for electronic textiles for functional applications. <i>Journal of the Textile Institute</i> , 2023, 114, 763-773.	1.0	1
64	Laccase/TEMPO-mediated Graft Hydrophobization of Jute Fibers to Enhance the Mechanical Properties of Jute/PLA Composites. <i>Fibers and Polymers</i> , 0, , 1.	1.1	0