

Alberto Lopez-Gil

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

436
citations

933447

10
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

516
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical and thermal performance of concrete and mortar cellular materials containing plastic waste. <i>Construction and Building Materials</i> , 2016, 104, 298-310.	7.2	92
2	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.	5.2	54
3	Synthesis and properties of open- and closed-porous foamed glass with a low density. <i>Construction and Building Materials</i> , 2020, 247, 118574.	7.2	48
4	Structure-property relationships of medium-density polypropylene foams. <i>Polymer International</i> , 2013, 62, 1324-1333.	3.1	42
5	Natural rubber foams with anisotropic cellular structures: Mechanical properties and modeling. <i>Industrial Crops and Products</i> , 2016, 80, 26-35.	5.2	42
6	Highly anisotropic crosslinked HDPE foams with a controlled anisotropy ratio: Production and characterization of the cellular structure and mechanical properties. <i>Materials and Design</i> , 2017, 114, 83-91.	7.0	37
7	Strategies to Improve the Mechanical Properties of Starch-Based Materials: Plasticization and Natural Fibers Reinforcement. <i>Polimeros</i> , 2014, 24, 36-42.	0.7	35
8	Influence of the irradiation dose in the cellular structure of natural rubber foams cross-linked by electron beam irradiation. <i>Industrial Crops and Products</i> , 2016, 89, 339-349.	5.2	19
9	Extensional rheology, cellular structure, mechanical behavior relationships in HMS PP/montmorillonite foams with similar densities. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	14
10	Study of the Foaming Kinetics in Epoxidized Natural Rubber Foams Crosslinked by Electron Beam Irradiation. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800295.	2.2	11
11	Study of the effect of different electron irradiation doses on the decomposition temperature of azodicarbonamide. <i>Polymer Engineering and Science</i> , 2019, 59, 791-798.	3.1	10
12	Modelling of the mechanisms of heat transfer in recycled glass foams. <i>Construction and Building Materials</i> , 2021, 274, 122000.	7.2	10
13	Low Density Non-crosslinked Closed/Open Cell Polypropylene Foams with High Mechanical Properties. <i>Frontiers in Forests and Global Change</i> , 2016, 35, 101-118.	1.1	7
14	Production of non-crosslinked thermoplastic foams with a controlled density and a wide range of cellular structures. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	6
15	Anisotropic polypropylene cellular polymers filled with nanoclays: Microstructure and properties. <i>Polymer Composites</i> , 2019, 40, E526.	4.6	5
16	Analysis of the foaming mechanisms of materials based on high-density polyethylene (HDPE) crosslinked with different irradiation doses. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46276.	2.6	4