

# Jessica Giro Paloma

## List of Publications by Citations

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33  
papers

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citations

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ext. papers

1,033  
ext. citations

5.7  
avg, IF

4.58  
L-index

#	Paper	IF	Citations
33	Types, methods, techniques, and applications for microencapsulated phase change materials (MPCM): A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 53, 1059-1075	16.2	286
32	Legal situation and current practice of waste incineration bottom ash utilisation in Europe. <i>Waste Management</i> , <b>2020</b> , 102, 868-883	8.6	66
31	Preparation and exhaustive characterization of paraffin or palmitic acid microcapsules as novel phase change material. <i>Solar Energy</i> , <b>2015</b> , 112, 300-309	6.8	60
30	Physico-chemical and mechanical properties of microencapsulated phase change material. <i>Applied Energy</i> , <b>2013</b> , 109, 441-448	10.7	58
29	Material characterization of the MSWI bottom ash as a function of particle size. Effects of glass recycling over time. <i>Science of the Total Environment</i> , <b>2017</b> , 581-582, 897-905	10.2	39
28	Use of weathered and fresh bottom ash mix layers as a subbase in road constructions: environmental behavior enhancement by means of a retaining barrier. <i>Chemosphere</i> , <b>2014</b> , 117, 402-9	8.4	34
27	Rapid sintering of weathered municipal solid waste incinerator bottom ash and rice husk for lightweight aggregate manufacturing and product properties. <i>Journal of Cleaner Production</i> , <b>2019</b> , 232, 713-721	10.3	32
26	Depth-sensing indentation applied to polymers: A comparison between standard methods of analysis in relation to the nature of the materials. <i>European Polymer Journal</i> , <b>2013</b> , 49, 4047-4053	5.2	28
25	Municipal solid waste incineration bottom ash as alkali-activated cement precursor depending on particle size. <i>Journal of Cleaner Production</i> , <b>2020</b> , 242, 118443	10.3	26
24	Preparation and Characterization of Microencapsulated Phase Change Materials for Use in Building Applications. <i>Materials</i> , <b>2015</b> , 9,	3.5	25
23	Unconventional experimental technologies used for phase change materials (PCM) characterization: part 2 [morphological and structural characterization, physico-chemical stability and mechanical properties. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 43, 1415-1426	16.2	22
22	Comparison of phase change slurries: Physicochemical and thermal properties. <i>Energy</i> , <b>2015</b> , 87, 223-227.9		21
21	Characterisation and partition of valuable metals from WEEE in weathered municipal solid waste incineration bottom ash, with a view to recovering. <i>Journal of Cleaner Production</i> , <b>2019</b> , 218, 61-68	10.3	18
20	Low-grade magnesium oxide by-products for environmental solutions: Characterization and geochemical performance. <i>Journal of Geochemical Exploration</i> , <b>2015</b> , 152, 134-144	3.8	17
19	Physicochemical and Thermal Study of a MPCM of PMMA Shell and Paraffin Wax as a Core. <i>Energy Procedia</i> , <b>2014</b> , 48, 347-354	2.3	17
18	Magnesium phosphate cements formulated with low grade magnesium oxide incorporating phase change materials for thermal energy storage. <i>Construction and Building Materials</i> , <b>2017</b> , 155, 209-216	6.7	16
17	Multifunctional cork [alkali-activated fly ash composites: A sustainable material to enhance buildings[energy and acoustic performance. <i>Energy and Buildings</i> , <b>2020</b> , 210, 109739	7	15

16	Municipal Solid Waste Incineration Bottom Ash as Sole Precursor in the Alkali-Activated Binder Formulation. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4129	2.6	14
15	Comparison of Microencapsulated Phase Change Materials Prepared at Laboratory Containing the Same Core and Different Shell Material. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 723	2.6	14
14	Mechanical response evaluation of microcapsules from different slurries. <i>Renewable Energy</i> , <b>2016</b> , 85, 732-739	8.1	13
13	Use of municipal solid waste incineration bottom ash and crop by-product for producing lightweight aggregate. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 251, 012126	0.4	8
12	Effect of the filler on the nanomechanical properties of polypropylene in contact with paraffinic phase change material. <i>European Polymer Journal</i> , <b>2015</b> , 63, 29-36	5.2	7
11	APC Fly Ash Recycling: Development of a Granular Material from Laboratory to a Pilot Scale. <i>Waste and Biomass Valorization</i> , <b>2017</b> , 8, 1409-1419	3.2	7
10	Alkali-Activated Binders Using Bottom Ash from Waste-to-Energy Plants and Aluminium Recycling Waste. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3840	2.6	7
9	Alkali-Activated Cements for TES Materials in Buildings' Envelops Formulated With Glass Cullet Recycling Waste and Microencapsulated Phase Change Materials. <i>Materials</i> , <b>2019</b> , 12,	3.5	5
8	Geopolymers based on the valorization of Municipal Solid Waste Incineration residues. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 251, 012125	0.4	5
7	Granular Material Development Applied in an Experimental Section for Civil Engineering Purposes. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6782	2.6	4
6	Alkali-activated binders based on the coarse fraction of municipal solid waste incineration bottom ash. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , <b>2021</b> ,	1.9	3
5	Physical, thermal and mechanical study of MPC formulated with LG-MgO incorporating Phase Change Materials as admixture. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 251, 012024	0.4	2
4	Stabilization Study of a Contaminated Soil with Metal(loid)s Adding Different Low-Grade MgO Degrees. <i>Sustainability</i> , <b>2020</b> , 12, 7340	3.6	2
3	Thermogravimetric study of a Phase Change Slurry: Effect of variable conditions. <i>Applied Thermal Engineering</i> , <b>2016</b> , 107, 329-338	5.8	2
2	APC fly ashes stabilized with Portland cement for further development of road sub-base aggregates. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 251, 012124	0.4	1
1	Preliminary Study of New Sustainable, Alkali-Activated Cements Using the Residual Fraction of the Glass Cullet Recycling as Precursor. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3528	2.6	