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List of Publications by Year
in descending order

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33	1,282	393982	395343
papers	citations	19 h-index	33 g-index

33	33	33	1402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Types, methods, techniques, and applications for microencapsulated phase change materials (MPCM): A review. Renewable and Sustainable Energy Reviews, 2016, 53, 1059-1075.	8.2	411
2	Legal situation and current practice of waste incineration bottom ash utilisation in Europe. Waste Management, 2020, 102, 868-883.	3.7	120
3	Preparation and exhaustive characterization of paraffin or palmitic acid microcapsules as novel phase change material. Solar Energy, 2015, 112, 300-309.	2.9	72
4	Physico-chemical and mechanical properties of microencapsulated phase change material. Applied Energy, 2013, 109, 441-448.	5.1	71
5	Material characterization of the MSWI bottom ash as a function of particle size. Effects of glass recycling over time. Science of the Total Environment, 2017, 581-582, 897-905.	3.9	53
6	Municipal solid waste incineration bottom ash as alkali-activated cement precursor depending on particle size. Journal of Cleaner Production, 2020, 242, 118443.	4.6	52
7	Rapid sintering of weathered municipal solid waste incinerator bottom ash and rice husk for lightweight aggregate manufacturing and product properties. Journal of Cleaner Production, 2019, 232, 713-721.	4.6	49
8	Use of weathered and fresh bottom ash mix layers as a subbase in road constructions: Environmental behavior enhancement by means of a retaining barrier. Chemosphere, 2014, 117, 402-409.	4.2	42
9	Preparation and Characterization of Microencapsulated Phase Change Materials for Use in Building Applications. Materials, 2016, 9, 11.	1.3	39
10	Unconventional experimental technologies used for phase change materials (PCM) characterization: part 2 â€“ morphological and structural characterization, physico-chemical stability and mechanical properties. Renewable and Sustainable Energy Reviews, 2015, 43, 1415-1426.	8.2	33
11	Multifunctional cork â€“ alkali-activated fly ash composites: A sustainable material to enhance buildingsâ€™ energy and acoustic performance. Energy and Buildings, 2020, 210, 109739.	3.1	33
12	Depth-sensing indentation applied to polymers: A comparison between standard methods of analysis in relation to the nature of the materials. European Polymer Journal, 2013, 49, 4047-4053.	2.6	32
13	Low-grade magnesium oxide by-products for environmental solutions: Characterization and geochemical performance. Journal of Geochemical Exploration, 2015, 152, 134-144.	1.5	29
14	Characterisation and partition of valuable metals from WEEE in weathered municipal solid waste incineration bottom ash, with a view to recovering. Journal of Cleaner Production, 2019, 218, 61-68.	4.6	29
15	Comparison of phase change slurries: Physicochemical and thermal properties. Energy, 2015, 87, 223-227.	4.5	28
16	Magnesium phosphate cements formulated with low grade magnesium oxide incorporating phase change materials for thermal energy storage. Construction and Building Materials, 2017, 155, 209-216.	3.2	25
17	Municipal Solid Waste Incineration Bottom Ash as Sole Precursor in the Alkali-Activated Binder Formulation. Applied Sciences (Switzerland), 2020, 10, 4129.	1.3	25
18	Physicochemical and Thermal Study of a MPCM of PMMA Shell and Paraffin Wax as a Core. Energy Procedia, 2014, 48, 347-354.	1.8	20

#	Article	IF	Citations
19	Comparison of Microencapsulated Phase Change Materials Prepared at Laboratory Containing the Same Core and Different Shell Material. Applied Sciences (Switzerland), 2017, 7, 723.	1.3	20
20	Mechanical response evaluation of microcapsules from different slurries. Renewable Energy, 2016, 85, 732-739.	4.3	16
21	Alkali-Activated Binders Using Bottom Ash from Waste-to-Energy Plants and Aluminium Recycling Waste. Applied Sciences (Switzerland), 2021, 11, 3840.	1.3	12
22	Use of municipal solid waste incineration bottom ash and crop by-product for producing lightweight aggregate. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012126.	0.3	9
23	Alkali-Activated Cements for TES Materials in Buildingsâ€™ Envelops Formulated With Glass Cullet Recycling Waste and Microencapsulated Phase Change Materials. Materials, 2019, 12, 2144.	1.3	9
24	Effect of the filler on the nanomechanical properties of polypropylene in contact with paraffinic phase change material. European Polymer Journal, 2015, 63, 29-36.	2.6	8
25	APC Fly Ash Recycling: Development of a Granular Material from Laboratory to a Pilot Scale. Waste and Biomass Valorization, 2017, 8, 1409-1419.	1.8	8
26	Granular Material Development Applied in an Experimental Section for Civil Engineering Purposes. Applied Sciences (Switzerland), 2020, 10, 6782.	1.3	8
27	Geopolymers based on the valorization of Municipal Solid Waste Incineration residues. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012125.	0.3	7
28	Stabilization Study of a Contaminated Soil with Metal(loid)s Adding Different Low-Grade MgO Degrees. Sustainability, 2020, 12, 7340.	1.6	7
29	Alkali-activated binders based on the coarse fraction of municipal solid waste incineration bottom ash. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2022, 61, 313-324.	0.9	7
30	Physical, thermal and mechanical study of MPC formulated with LG-MgO incorporating Phase Change Materials as admixture. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012024.	0.3	3
31	Thermogravimetric study of a Phase Change Slurry: Effect of variable conditions. Applied Thermal Engineering, 2016, 107, 329-338.	3.0	2
32	Preliminary Study of New Sustainable, Alkali-Activated Cements Using the Residual Fraction of the Glass Cullet Recycling as Precursor. Applied Sciences (Switzerland), 2021, 11, 3528.	1.3	2
33	APC fly ashes stabilized with Portland cement for further development of road sub-base aggregates. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012124.	0.3	1