Ines Garcia-Lodeiro

List of Publications by Year
in descending order

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52 papers	4,510 citations	279798 23 h-index	214800 47 g-index
52 all docs	52 docs citations	52 times ranked	2601 citing authors

#	Article	IF	Citations
1	Compatibility studies between N-A-S-H and C-A-S-H gels. Study in the ternary diagram Na2Oâ€“CaOâ€“Al2O3â€“SiO2â€“H2O. Cement and Concrete Research, 2011, 41, 923-931.	11.0	837
2	Effect of alkalis on fresh Câ€“Sâ€“H gels. FTIR analysis. Cement and Concrete Research, 2009, 39, 147-153.	11.0	508
3	Durability of alkali-activated fly ash cementitious materials. Journal of Materials Science, 2007, 42, 3055-3065.	3.7	442
4	FTIR study of the solâ€“gel synthesis of cementitious gels: Câ€“Sâ€“H and Nâ€“Aâ€“Sâ€“H. Journal of Sol-Gel Science and Technology, 2008, 45, 63-72.	2.4	390
5	A review on alkaline activation: new analytical perspectives. Materiales De Construccion, 2014, 64, e022.	0.7	299
6	Variation in hybrid cements over time. Alkaline activation of fly ashâ€“portland cement blends. Cement and Concrete Research, 2013, 52, 112-122.	11.0	243
7	Effect on fresh C-S-H gels of the simultaneous addition of alkali and aluminium. Cement and Concrete Research, 2010, 40, 27-32.	11.0	221
8	Alkaliâ€“aggregate reaction in activated fly ash systems. Cement and Concrete Research, 2007, 37, 175-183.	11.0	203
9	Effect of Calcium Additions on Nâ€“Aâ€“Sâ€“H Cementitious Gels. Journal of the American Ceramic Society, 2010, 93, 1934-1940.	3.8	196
10	Hydration kinetics in hybrid binders: Early reaction stages. Cement and Concrete Composites, 2013, 39, 82-92.	10.7	152
11	Manufacture of hybrid cements with fly ash and bottom ash from a municipal solid waste incinerator. Construction and Building Materials, 2016, 105, 218-226.	7.2	112
12	Hydration of Hybrid Alkaline Cement Containing a Very Large Proportion of Fly Ash: A Descriptive Model. Materials, 2016, 9, 605.	2.9	106
13	An overview of the chemistry of alkali-activated cement-based binders. , 2015, , 19-47.		82
14	Producing C-S-H gel by reaction between silica oligomers and portlandite: A promising approach to repair cementitious materials. Cement and Concrete Research, 2020, 130, 106008.	11.0	61
15	Alkaline activation of synthetic aluminosilicate glass. Ceramics International, 2014, 40, 5547-5558.	4.8	52
16	Hydration mechanisms of hybrid cements as a function of the way of addition of chemicals. Journal of the American Ceramic Society, 2019, 102, 427-436.	3.8	52
17	Portland Versus Alkaline Cement: Continuity or Clean Break: â€œA Key Decision for Global Sustainabilityâ€• Frontiers in Chemistry, 2021, 9, 705475.	3.6	48
18	â€œMetakaolinâ€Slagâ€Clinker Blends.â€•The Role of Na⁺ or K⁺ as Alkaline Activators of Theses Ternary Blends. Journal of the American Ceramic Society, 2013, 96, 1991-1998.	3.8	41

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19	Mineralogical and microstructural alterations in a portland cement paste after an accelerated decalcification process. Cement and Concrete Research, 2021, 140, 106312.	11.0	41
20	Effect of calcium on the alkaline activation of aluminosilicate glass. Ceramics International, 2016, 42, 7697-7707.	4.8	32
21	Mechanical-Chemical Activation of Coal Fly Ashes: An Effective Way for Recycling and Make Cementitious Materials. Frontiers in Materials, 2019, 6, .	2.4	32
22	<scp><scp>C</scp></scp>â€“<scp><scp>S</scp></scp>â€“<scp><scp>H</scp></scp> Gels: Interpretation of ²⁹<scp><scp>Si </scp><scp>MAS</scp></scp>â€<scp><scp>NMR</scp></scp> Spectra. Journal of the American Ceramic Society, 2012, 95, 1440-1446.	3.8	31
23	The role of aluminium in alkali-activated bentonites. Materials and Structures/Materiaux Et Constructions, 2015, 48, 585-597.	3.1	30
24	Reduction of water content in calcium aluminate cement with/out phosphate modification for alternative cementation technique. Cement and Concrete Research, 2018, 109, 243-253.	11.0	28
25	Crucial insights on the mix design of alkali-activated cement-based binders. , 2015, , 49-73.		25
26	Use of clays in alkaline hybrid cement preparation. The role of bentonites. Materials Letters, 2018, 233, 134-137.	2.6	25
27	Cements with a low clinker content: versatile use of raw materials. Journal of Sustainable Cement-Based Materials, 2015, 4, 140-151.	3.1	24
28	Chemistry of the interaction between an alkoxysilane-based impregnation treatment and cementitious phases. Cement and Concrete Research, 2021, 142, 106351.	11.0	22
29	Use of industrial by-products as alkaline cement activators. Construction and Building Materials, 2020, 253, 119000.	7.2	16
30	Recycling Industrial By-Products in Hybrid Cements: Mechanical and Microstructure Characterization. Waste and Biomass Valorization, 2017, 8, 1433-1440.	3.4	15
31	The importance of physical parameters for the penetration depth of impregnation products into cementitious materials: Modelling and experimental study. Construction and Building Materials, 2020, 257, 119595.	7.2	14
32	One-part hybrid cements from fly ash and electric arc furnace slag activated by sodium sulphate or sodium chloride. Journal of Building Engineering, 2021, 44, 103298.	3.4	13
33	Stability of Synthetic Calcium Silicate Hydrate Gels in Presence of Alkalis, Aluminum, and Soluble Silica. Transportation Research Record, 2010, 2142, 52-57.	1.9	12
34	Specific Examples of Hybrid Alkaline Cement. MATEC Web of Conferences, 2014, 11, 01001.	0.2	12
35	Hybrid Alkaline Cements: Bentonite-Opc Binders. Minerals (Basel, Switzerland), 2018, 8, 137.	2.0	12
36	TEOS Modified With Nano-Calcium Oxalate and PDMS to Protect Concrete Based Cultural Heritage Buildings. Frontiers in Materials, 2020, 7, .	2.4	12

#	Article	IF	Citations
37	Report of RILEM TC 281-CCC: outcomes of a round robin on the resistance to accelerated carbonation of Portland, Portland-fly ash and blast-furnace blended cements. Materials and Structures/Materiaux Et Constructions, 2022, 55, 99.	3.1	10
38	Alkali-activated based concrete. , 2013, , 439-487.		8
39	A patchy particle model for C-S-H formation. Cement and Concrete Research, 2022, 152, 106658.	11.0	8
40	Influence of Accelerating Admixtures on the Reactivity of Synthetic Aluminosilicate Glasses. Materials, 2022, 15, 818.	2.9	8
41	Influence of mixing solution on characteristics of calcium aluminate cement modified with sodium polyphosphate. Cement and Concrete Research, 2020, 128, 105951.	11.0	7
42	Solidification and stabilization of strontium and chloride ions in thermally treated calcium aluminate cement modified with or without sodium polyphosphate. Cement and Concrete Research, 2022, 156, 106758.	11.0	6
43	Some durability aspects of hybrid alkaline cements. MATEC Web of Conferences, 2014, 11, 01008.	0.2	5
44	Consolidation of artificial decayed portland cement mortars with an alkoxysilane-based impregnation treatment and its influence on mineralogy and pore structure. Construction and Building Materials, 2021, 304, 124532.	7.2	5
45	Development of New Cementitious Caterials by Alkaline Activating Industrial by-Products. IOP Conference Series: Materials Science and Engineering, 2015, 96, 012005.	0.6	3
46	Strontium in Phosphate-Modified Calcium Aluminate Cement. Key Engineering Materials, 2019, 803, 341-345.	0.4	3
47	A statistical approach to the study of concrete carbonation. Materiales De Construccion, 2014, 64, e001.	0.7	2
48	Studying the dosage-dependent influence of hydrophobic alkoxysilane/siloxane admixtures on the performance of repair micromortars. Journal of Building Engineering, 2022, 48, 103905.	3.4	2
49	Characterisation and diagnosis of heritage concrete: case studies at the Eduardo Torroja Institute, Madrid, Spain. Materiales De Construccion, 2021, 71, e262.	0.7	1
50	Modification of Calcium Aluminate Cement with Phosphate for Incorporation of Strontium Chloride. Journal of Advanced Concrete Technology, 2021, 19, 1296-1308.	1.8	1
51	Cements with low Clinker Content. IOP Conference Series: Materials Science and Engineering, 2015, 96, 012006.	0.6	0
52	Effect of alkoxysilane on early age hydration in portland cement pastes. Journal of Building Engineering, 2022, 50, 104127.	3.4	0