Amparo Moragues Terrades

List of Publications by Year
in descending order

36 papers	929 citations	623734 14 h-index	454955 30 g-index
36 all docs	36 docs citations	36 times ranked	948 citing authors

#	Article	IF	Citations
1	The degree of hydration assessment of blended cement pastes by differential thermal and thermogravimetric analysis. Morphological evolution of the solid phases. Thermochimica Acta, 2014, 592, 37-51.	2.7	185
2	Use of ground coal bottom ash as cement constituent in concretes exposed to chloride environments. Journal of Cleaner Production, 2018, 170, 25-33.	9.3	95
3	Effect of silica fume fineness on the improvement of Portland cement strength performance. Construction and Building Materials, 2015, 96, 55-64.	7.2	91
4	Belite Cement Clinker from Coal Fly Ash of High Ca Content. Optimization of Synthesis Parameters. Environmental Science & Technology, 2004, 38, 3209-3213.	10.0	70
5	Modelling of chloride penetration into non-saturated concrete: Case study application for real marine offshore structures. Construction and Building Materials, 2013, 43, 217-224.	7.2	59
6	Equilibria of the chemical composition of the concrete pore solution. Part I: Comparative study of synthetic and extracted solutions. Cement and Concrete Research, 1987, 17, 173-182.	11.0	53
7	Effect of nano-Si2O and nano-Al2O3 on cement mortars for use in agriculture and livestock production. Biosystems Engineering, 2014, 123, 1-11.	4.3	46
8	Decalcification of cement mortars: Characterisation and modelling. Cement and Concrete Composites, 2013, 35, 136-150.	10.7	41
9	Polypropylene-fibre-reinforced mortar mixes: Optimization to control plastic shrinkage. Composites Science and Technology, 1997, 57, 655-660.	7.8	31
10	Microstructure and Mechanical Performance of Belite Cements from High Calcium Coal Fly Ash. Journal of the American Ceramic Society, 2005, 88, 1845-1853.	3.8	28
11	The use of a geographical information system to assess the effect of traffic pollution. Science of the Total Environment, 1996, 189-190, 267-273.	8.0	23
12	New mortars fabricated by electrostatic dry deposition of nano and microsilica additions: Enhanced properties. Construction and Building Materials, 2017, 135, 186-193.	7.2	18
13	Equilibria of the chemical composition of the pore concrete solution Part II: Calculation of the equilibria constants of the synthetic solutions. Cement and Concrete Research, 1988, 18, 342-350.	11.0	16
14	Study of the influence of microstructural parameters on the ultrasonic velocity in steelâ€“fiber-reinforced cementitious materials. Construction and Building Materials, 2011, 25, 3066-3072.	7.2	15
15	A testing method for measuring plastic shrinkage in polypropylene fibre reinforced mortars. Materials Letters, 1994, 21, 239-246.	2.6	14
16	Permeabilidad y estructura porosa de hormigones autocompactantes de resistencia moderada. Materiales De Construccion, 2010, 60, 37-51.	0.7	14
17	Early contributing nanostructured cementitious matrix designs: Benefits in durable features at early ages. Construction and Building Materials, 2020, 241, 117941.	7.2	12
18	Thermal decomposition of molybdenum(IV) dialkyldithiocarbamates: application of a new method to kinetic studies. Transition Metal Chemistry, 1987, 12, 289-291.	1.4	11

#	Article	IF	Citations
19	Mechanical strength and microstructure evolution of fly ash cement mortar submerged in pig slurry. Cement and Concrete Research, 2008, 38, 717-724.	11.0	11
20	Thermal studies on molybdenum(IV) dialkyl dithiocarbamate adducts with pyridine. Thermochimica Acta, 1986, 108, 1-7.	2.7	10
21	Measurement of the degraded depth in cementitious materials by automatic digital image processing. Measurement Science and Technology, 2010, 21, 055103.	2.6	10
22	Recent Advances in Coal Bottom Ash Use as a New Common Portland Cement Constituent. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2014, 24, 503-508.	0.8	10
23	Study of chloride penetration in concretes exposed to high-mountain weather conditions with presence of deicing salts. Construction and Building Materials, 2016, 127, 971-983.	7.2	10
24	Service Life and Early Age Durability Enhancement due to Combined Metakaolin and Nanosilica in Mortars for Marine Applications. Materials, 2020, 13, 1169.	2.9	9
25	Characterization of bottom ashes from coal pulverized power plants to determine their potential use feasibility. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2013, 52, 296-304.	1.9	9
26	Estudio del proceso de descalcificaciÃ³n en morteros degradados en NH₄NO₃ empleando tÃ©cnicas ultrasÃ³nicas. Materiales De Construccion, 2009, 59, 17-36.	0.7	8
27	Effect of pig slurry on two cement mortars: Changes in strength, porosity and crystalline phases. Cement and Concrete Research, 2009, 39, 798-804.	11.0	6
28	Seasonal analysis of air pollution levels in Madrid. Science of the Total Environment, 1999, 235, 343-345.	8.0	5
29	Assessment of mortar evolution in pig slurry by mechanical and ultrasonic measurements. Construction and Building Materials, 2010, 24, 1572-1579.	7.2	5
30	Model for predicting plastic shrinkage of polypropylene reinforced mortars. Journal of Materials Science, 1994, 29, 2821-2825.	3.7	4
31	Ultrafine portland cement performance. Materiales De Construccion, 2018, 68, 157.	0.7	4
32	Behaviour of a high-performance self-compacting concrete (HPSCC) with ternary mixtures of nano- and microsilica in the presence of chlorides. Materiales De Construccion, 2020, 70, 221.	0.7	4
33	Analysis of the impact of the Arganda metro line on alternative road route emission levels. Journal of Environmental Planning and Management, 2006, 49, 475-494.	4.5	1
34	On the Tortuosity-Connectivity of Cement-Based Porous Materials. Applied Sciences (Switzerland), 2021, 11, 5812.	2.5	1
35	Health effects associated with Madrid air pollution levels. Science of the Total Environment, 1999, 235, 395-396.	8.0	0
36	Advances in Coal Bottom Ash Use as a New Common Portland Cement Constituent. RILEM Bookseries, 2019, , 43-53.	0.4	0