Francisco HernÃ¡ndez-Olivares

List of Publications by Year
in descending order

36 papers	2,122 citations	331259 21 h-index	377514 34 g-index
37 all docs	37 docs citations	37 times ranked	1885 citing authors

#	ARTICLE	IF	CITATIONS
1	Static and dynamic behaviour of recycled tyre rubber-filled concrete. Cement and Concrete Research, 2002, 32, 1587-1596.	4.6	319
2	Fire performance of recycled rubber-filled high-strength concrete. Cement and Concrete Research, 2004, 34, 109-117.	4.6	205
3	Development of corkâ€“gypsum composites for building applications. Construction and Building Materials, 1999, 13, 179-186.	3.2	149
4	SBR latex modified mortar rheology and mechanical behaviour. Cement and Concrete Research, 2004, 34, 527-535.	4.6	141
5	Mechanical and thermal properties of concrete incorporating rubber and fibres from tyre recycling. Construction and Building Materials, 2017, 144, 563-573.	3.2	124
6	An analytical model to predict impact behaviour of soft armours. International Journal of Impact Engineering, 1995, 16, 455-466.	2.4	113
7	Influence of proportion and particle size gradation of rubber from end-of-life tires on mechanical, thermal and acoustic properties of plasterâ€“rubber mortars. Materials & Design, 2013, 47, 633-642.	5.1	110
8	Cracking control of concretes modified with short AR-glass fibers at early age. Experimental results on standard concrete and SCC. Cement and Concrete Research, 2007, 37, 1624-1638.	4.6	103
9	Assessment of phase formation in lime-based mortars with added metakaolin, Portland cement and sepiolite, for grouting of historic masonry. Cement and Concrete Research, 2010, 40, 66-76.	4.6	99
10	Fatigue behaviour of recycled tyre rubber-filled concrete and its implications in the design of rigid pavements. Construction and Building Materials, 2007, 21, 1918-1927.	3.2	85
11	Microscopic analysis of the interaction between crumb rubber and bitumen in asphalt mixtures using the dry process. Construction and Building Materials, 2013, 48, 691-699.	3.2	73
12	Rubber-modified hot-mix asphalt pavement by dry process. International Journal of Pavement Engineering, 2009, 10, 277-288.	2.2	72
13	Influence of fibers partially coated with rubber from tire recycling as aggregate on the acoustical properties of rubberized concrete. Construction and Building Materials, 2016, 129, 25-36.	3.2	66
14	Combined effect of Polypropylene fibers and Silica Fume to improve the durability of concrete with natural Pozzolans blended cement. Construction and Building Materials, 2015, 96, 556-566.	3.2	58
15	Enhancement of durability of concrete composites containing natural pozzolans blended cement through the use of Polypropylene fibers. Composites Part B: Engineering, 2014, 61, 214-221.	5.9	52
16	Experimental analysis of toughness and modulus of rupture increase of sisal short fiber reinforced hemihydrated gypsum. Composite Structures, 1992, 22, 123-137.	3.1	48
17	A quantitative assessment of forest-hardening in f.c.c. metals. Acta Metallurgica, 1987, 35, 631-641.	2.1	44
18	Static mechanical properties of waste rests of recycled rubber and high quality recycled rubber from crumbed tyres used as aggregate in dry consistency concretes. Materials and Structures/Materiaux Et Constructions, 2014, 47, 1185-1193.	1.3	43

#	Article	IF	Citations
19	Rheological properties of aerated cement pastes with fly ash, metakaolin and sepiolite additions. Construction and Building Materials, 2014, 65, 566-573.	3.2	35
20	Self-levelling cement mortar containing grounded slate from quarrying waste. Construction and Building Materials, 2010, 24, 1601-1607.	3.2	32
21	Short sugarcane bagasse fibers cementitious composites for building construction. Construction and Building Materials, 2020, 247, 118451.	3.2	29
22	Microstructural analysis of aerated cement pastes with fly ash, Metakaolin and Sepiolite additions. Construction and Building Materials, 2013, 47, 282-292.	3.2	20
23	Analytical simulation of stress wave propagation in composite materials. Composite Structures, 1999, 45, 125-129.	3.1	18
24	New prefabricated elements of lightened plaster used for partitions and extrados. Construction and Building Materials, 2005, 19, 487-492.	3.2	17
25	Experimental analysis of tungsten coarsening in a heavy metal during liquid phase sintering. Acta Metallurgica, 1989, 37, 1865-1872.	2.1	12
26	A model about dynamic parameters through magnetic fields during the alignment of steel fibres reinforcing cementitious composites. Construction and Building Materials, 2019, 201, 340-349.	3.2	12
27	An analytical study of the effect of slamming pressures on the interlaminar behaviour of composite panels. Composite Structures, 1999, 46, 357-365.	3.1	11
28	Interfacial Transition Zone (ITZ) Analysis in Hydraulic Lime Restoration Mortars for Grouting of Historical Masonries. International Journal of Architectural Heritage, 2012, 6, 396-414.	1.7	9
29	Comparative properties of a lime mortar with different metakaolin and natron additions. Construction and Building Materials, 2016, 114, 747-754.	3.2	8
30	Seismic reponse of a new design for vertical joints in architectural panels. Engineering Structures, 2003, 25, 1655-1664.	2.6	5
31	Aumento de la tenacidad de hormigones autocompactables reforzados con fibras cortas de polipropileno. Materiales De Construccion, 2010, 60, 83-97.	0.2	4
32	Study of Fine Mortar Powder from Different Waste Sources for Recycled Concrete Production. , 2017, , 253-262.		3
33	Sintering of natural anhydrite-glass composite. Journal of the European Ceramic Society, 1997, 17, 743-748.	2.8	1
34	A new bonded vertical joint design for architectural panels. Construction and Building Materials, 2010, 24, 918-926.	3.2	1
35	Sandstone Adherence in Building Construction. International Journal of Architectural Heritage, 2012, 6, 200-213.	1.7	1
36	Computer simulation of crack propagation in composite materials. Engineering Fracture Mechanics, 1989, 34, 909-915.	2.0	0