Gonzalo Barluenga

List of Publications by Year in Descending Order

43 papers	1,136 citations	17 h-index	33 g-index
49 ext. papers	1,305 ext. citations	6 avg, IF	4.73 L-index

#	Paper	IF	Citations
43	Evaluation of the energy storage capacity of Phase Change Material cement-lime mortars by using heat flux meters and ultrasonic pulse transmission. *Journal of Energy Storage*, **2022**, 50, 104674	7.8	1
42	Early crack detection using modified spectral clustering method assisted with FE analysis for distress anticipation in cement-based composites. *Scientific Reports*, **2021**, 11, 19685	4.9	1
41	Synergies on rheology and structural build-up of fresh cement pastes with nanoclays, nanosilica and viscosity modifying admixtures. *Construction and Building Materials*, **2021**, 308, 125097	6.7	1
40	Study on the Compressive Behaviour of Sustainable Cement-Based Composites under One-Hour of Direct Flame Exposure. *Sustainability*, **2020**, 12, 10548	3.6	4
39	Rheology Evaluation of Cement Paste with Nanoclays, Nanosilica and Polymeric Admixtures for Digital Fabrication. *RILEM Bookseries*, **2020**, 144-152	0.5	1
38	Effects of Nanoclays on SCC Paste Rheology. *RILEM Bookseries*, **2020**, 517-524	0.5	
37	Rheology and Build-Up of Fresh SCC Pastes Evaluated with the Mini-slump Cone Test. *RILEM Bookseries*, **2020**, 160-167	0.5	1
36	Rheological Characterization of Self-compacting Concrete Pastes with Polymeric Admixtures. *RILEM Bookseries*, **2020**, 491-499	0.5	3
35	Influence of nanoclays on flowability and rheology of SCC pastes. *Construction and Building Materials*, **2020**, 243, 118285	6.7	12
34	PCM Cement-Lime Mortars for Enhanced Energy Efficiency of Multilayered Building Enclosures under Different Climatic Conditions. *Materials*, **2020**, 13,	3.5	4
33	On the capillary water absorption of cement-lime mortars containing phase change materials: Experiments and simulations. *Building Simulation*, **2020**, 13, 19-31	3.9	8
32	Thermal enhanced cement-lime mortars with phase change materials (PCM), lightweight aggregate and cellulose fibers. *Construction and Building Materials*, **2019**, 221, 586-594	6.7	28
31	Laboratory characterization of brick walls rendered with a pervious lime-cement mortar. *Journal of Building Engineering*, **2019**, 23, 241-249	5.2	6
30	Effect of curing temperature and relative humidity on early age and hardened properties of SCC. *Construction and Building Materials*, **2018**, 167, 235-242	6.7	10
29	A multiscale model for pervious lime-cement mortar with perlite and cellulose fibers. *Construction and Building Materials*, **2018**, 160, 136-144	6.7	13
28	Methodology for monitoring Cement Based Materials at Early Age combining NDT techniques. *Construction and Building Materials*, **2018**, 193, 373-383	6.7	7
27	Effect of full scale pumping at early age and on hardened microstructure and properties of SCC with fly ash in hot-dry curing conditions. *Construction and Building Materials*, **2018**, 191, 1128-1138	6.7	3

26	Assessment of lime-cement mortar microstructure and properties by P- and S- ultrasonic waves. *Construction and Building Materials*, **2017**, 139, 334-341	6.7	13
25	Influence of date palm fiber and shrinkage reducing admixture on self-compacting concrete performance at early age in hot-dry environment. *Construction and Building Materials*, **2017**, 154, 721-733	6.7	25
24	Quality Control Parameters for on-site evaluation of pumped Self-Compacting Concrete. *Construction and Building Materials*, **2017**, 154, 1112-1120	6.7	8
23	Effect of hot-dry environment on fiber-reinforced self-compacting concrete **2016**,		1
22	Effect of silica-based nano and micro additions on SCC at early age and on hardened porosity and permeability. *Construction and Building Materials*, **2015**, 81, 154-161	6.7	20
21	Lime□ement mortars for coating with improved thermal and acoustic performance. *Construction and Building Materials*, **2015**, 75, 306-314	6.7	46
20	Hardened properties and microstructure of SCC with mineral additions. *Construction and Building Materials*, **2015**, 94, 728-736	6.7	18
19	Self-Compacting Concrete with Nanosilica and Carbon Nanofibers **2015**, 493-498		
18	Effect of Particle Size and Amount of Nanosilica and Microsilica on Early Age and Hardened Structure of Self Compacting Concrete **2015**, 487-492		
17	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	6.7	37
16	Early Age Drying Shrinkage Evaluation of Self-Compacting Concretes and Pastes with Mineral Additions **2015**,		1
15	Early age monitoring of self-compacting concrete with mineral additions. *Construction and Building Materials*, **2015**, 77, 66-73	6.7	24
14	Effects of nano-components on early age cracking of self-compacting concretes. *Construction and Building Materials*, **2014**, 73, 89-96	6.7	12
13	Brick masonry identification in a complex historic building, the Main College of the University of Alcal□Madrid (Spain). *Construction and Building Materials*, **2014**, 54, 39-46	6.7	17
12	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	10	40
11	Early age and hardened performance of cement pastes combining mineral additions. *Materials and Structures/Materiaux Et Constructions*, **2013**, 46, 921-941	3.4	23
10	Fiber□atrix interaction at early ages of concrete with short fibers. *Cement and Concrete Research*, **2010**, 40, 802-809	10.3	32
9	A new bonded vertical joint design for architectural panels. *Construction and Building Materials*, **2010**, 24, 918-926	6.7	1

8	Self-levelling cement mortar containing grounded slate from quarrying waste. *Construction and Building Materials*, **2010**, 24, 1601-1607	6.7	18
7	Aumento de la tenacidad de hormigones autocompactables reforzados con fibras cortas de polipropileno. *Materiales De Construccion*, **2010**, 60, 83-97	1.8	4
6	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	6.7	71
5	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	10.3	82
4	Fire performance of recycled rubber-filled high-strength concrete. *Cement and Concrete Research*, **2004**, 34, 109-117	10.3	161
3	SBR latex modified mortar rheology and mechanical behaviour. *Cement and Concrete Research*, **2004**, 34, 527-535	10.3	116
2	Seismic reponse of a new design for vertical joints in architectural panels. *Engineering Structures*, **2003**, 25, 1655-1664	4.7	3
1	Static and dynamic behaviour of recycled tyre rubber-filled concrete. *Cement and Concrete Research* , **2002**, 32, 1587-1596	10.3	259