

# Emilio Zornoza

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Composition of Corroded Reinforcing Steel Surface in Solutions Simulating the Electrolytic Environments in the Micropores of Concrete in the Propagation Period. <i>Materials</i> , 2022, 15, 2216.	1.3	4
2	Influence of the type and concentration of the activator on the microstructure of alkali activated SiMn slag pastes. <i>Construction and Building Materials</i> , 2022, 342, 128067.	3.2	7
3	Heating and de-icing function in conductive concrete and cement paste with the hybrid addition of carbon nanotubes and graphite products. <i>Smart Materials and Structures</i> , 2021, 30, 045010.	1.8	27
4	Temperature and humidity influence on the strain sensing performance of hybrid carbon nanotubes and graphite cement composites. <i>Construction and Building Materials</i> , 2021, 284, 122786.	3.2	22
5	The Effect of Different Oxygen Surface Functionalization of Carbon Nanotubes on the Electrical Resistivity and Strain Sensing Function of Cement Pastes. <i>Nanomaterials</i> , 2020, 10, 807.	1.9	12
6	Durability and Mechanical Properties of CNT Cement Composites. <i>RILEM Bookseries</i> , 2019, , 31-41.	0.2	2
7	Improving Sustainability through Corrosion Resistance of Reinforced Concrete by Using a Manufactured Blended Cement and Fly Ash. <i>Sustainability</i> , 2018, 10, 2004.	1.6	9
8	Carbon Nanofiber Cement Sensors to Detect Strain and Damage of Concrete Specimens Under Compression. <i>Nanomaterials</i> , 2017, 7, 413.	1.9	32
9	Mechanical properties of alkali activated blast furnace slag pastes reinforced with carbon fibers. <i>Construction and Building Materials</i> , 2016, 116, 63-71.	3.2	68
10	Performance of cement-based sensors with CNT for strain sensing. <i>Advances in Cement Research</i> , 2016, 28, 274-284.	0.7	51
11	Self-heating and deicing conductive cement. Experimental study and modeling. <i>Construction and Building Materials</i> , 2015, 75, 442-449.	3.2	138
12	Corrosion Behavior of Steel Reinforcement in Concrete with Recycled Aggregates, Fly Ash and Spent Cracking Catalyst. <i>Materials</i> , 2014, 7, 3176-3197.	1.3	52
13	Mechanical Properties and Durability of CNT Cement Composites. <i>Materials</i> , 2014, 7, 1640-1651.	1.3	103
14	Strain and damage sensing properties on multifunctional cement composites with CNF admixture. <i>Cement and Concrete Composites</i> , 2014, 46, 90-98.	4.6	210
15	Self-heating function of carbon nanofiber cement pastes. <i>Materiales De Construccion</i> , 2014, 64, e015.	0.2	8
16	Potential use of sewage sludge ash (SSA) as a cement replacement in precast concrete blocks. <i>Materiales De Construccion</i> , 2014, 64, e002.	0.2	24
17	Feasibility of electrochemical chloride extraction from structural reinforced concrete using a sprayed conductive graphite powder as anode. <i>Corrosion Science</i> , 2013, 77, 128-134.	3.0	54
18	Effect of aspect ratio on strain sensing capacity of carbon fiber reinforced cement composites. <i>Materials &amp; Design</i> , 2013, 51, 1085-1094.	5.1	141

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19	Self-Sensing Properties of Alkali Activated Blast Furnace Slag (BFS) Composites Reinforced with Carbon Fibers. <i>Materials</i> , 2013, 6, 4776-4786.	1.3	61
20	Multifunctional Cement Composites Strain and Damage Sensors Applied on Reinforced Concrete (RC) Structural Elements. <i>Materials</i> , 2013, 6, 841-855.	1.3	139
21	Mechanical properties and corrosion of CAC mortars with carbon fibers. <i>Construction and Building Materials</i> , 2012, 34, 91-96.	3.2	54
22	Effect of steel and carbon fiber additions on the dynamic properties of concrete containing silica fume. <i>Materials &amp; Design</i> , 2012, 34, 332-339.	5.1	66
23	Efecto de la adición de nanofibras de carbono en las propiedades mecánicas y de durabilidad de materiales cementantes. <i>Materiales De Construccion</i> , 2012, 62, 343-357.	0.2	32
24	Influence of pH on the nitrite corrosion inhibition of reinforcing steel in simulated concrete pore solution. <i>Corrosion Science</i> , 2011, 53, 3991-4000.	3.0	59
25	Silica fume admixture effect on the dynamic properties of concrete. <i>Construction and Building Materials</i> , 2011, 25, 3272-3277.	3.2	55
26	Steel Corrosion-Inhibiting Effect of Sodium Nitrate in Simulated Concrete Pore Solutions. <i>Corrosion</i> , 2011, 67, 075005-1-075005-15.	0.5	5
27	Influence of the Oxidation Process of Carbon Material on the Mechanical Properties of Cement Mortars. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 321-329.	1.3	21
28	Pozzolanic activity of a spent fluid catalytic cracking catalyst residue. <i>Advances in Cement Research</i> , 2011, 23, 105-111.	0.7	15
29	Variables affecting strain sensing function in cementitious composites with carbon fibers. <i>Computers and Concrete</i> , 2011, 8, 229-241.	0.7	28
30	Effect of silica fume particle size on mechanical properties of short carbon fiber reinforced concrete. <i>Materials &amp; Design</i> , 2010, 31, 1553-1558.	5.1	70
31	The effect of processed fly ashes on the durability and the corrosion of steel rebars embedded in cement-modified fly ash mortars. <i>Cement and Concrete Composites</i> , 2010, 32, 204-210.	4.6	43
32	Función de apantallamiento de interferencia electromagnética de pastas de cemento con materiales carbonosos y cenizas volantes procesadas. <i>Materiales De Construccion</i> , 2010, 60, 21-32.	0.2	22
33	Carbonation rate and reinforcing steel corrosion rate of OPC/FC3R/FA mortars under accelerated conditions. <i>Advances in Cement Research</i> , 2009, 21, 15-22.	0.7	17
34	Accelerated carbonation of cement pastes partially substituted with fluid catalytic cracking catalyst residue (FC3R). <i>Cement and Concrete Composites</i> , 2009, 31, 134-138.	4.6	23
35	Improvement of the chloride ingress resistance of OPC mortars by using spent cracking catalyst. <i>Cement and Concrete Research</i> , 2009, 39, 126-139.	4.6	27
36	The carbonation of OPC mortars partially substituted with spent fluid catalytic catalyst (FC3R) and its influence on their mechanical properties. <i>Construction and Building Materials</i> , 2009, 23, 1323-1328.	3.2	23

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37	Effect of nitrite in corrosion of reinforcing steel in neutral and acid solutions simulating the electrolytic environments of micropores of concrete in the propagation period. Corrosion Science, 2008, 50, 498-509.	3.0	84
38	Chloride-induced corrosion of steel embedded in mortars containing fly ash and spent cracking catalyst. Corrosion Science, 2008, 50, 1567-1575.	3.0	50
39	Estudio de la velocidad de corrosión de aceros embebidos en morteros de cemento sustituidos con residuo de catalizador de craqueo catalítico (FC3R). Materiales De Construccion, 2008, 58, .	0.2	5
40	Compatibility of fluid catalytic cracking catalyst residue (FC3R) with various types of cement. Advances in Cement Research, 2007, 19, 117-124.	0.7	15
41	Corrosion of steel reinforcement in structural concrete with carbon material addition. Corrosion Science, 2007, 49, 2557-2566.	3.0	49