

# Oscar Galao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7399933/publications.pdf>

Version: 2024-02-01

24  
papers

1,321  
citations

516561

16  
h-index

610775

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

990  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Ice-Prevention and De-Icing Capacity of Epoxy Resin Filled with Hybrid Carbon-Nanostructured Forms: Self-Heating by Joule Effect. <i>Nanomaterials</i> , 2021, 11, 2427.	1.9	7
4	Concrete for Precast Blocks: Binary and Ternary Combination of Sewage Sludge Ash with Diverse Mineral Residue. <i>Materials</i> , 2020, 13, 4634.	1.3	3
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	Influence of recycled slag aggregates on the conductivity and strain sensing capacity of carbon fiber reinforced cement mortars. <i>Construction and Building Materials</i> , 2018, 184, 311-319.	3.2	40
8	40 years old LNG stainless steel pipeline: Characterization and mechanical behaviour. <i>Engineering Failure Analysis</i> , 2017, 79, 876-888.	1.8	12
9	Carbon Nanofiber Cement Sensors to Detect Strain and Damage of Concrete Specimens Under Compression. <i>Nanomaterials</i> , 2017, 7, 413.	1.9	32
10	Highly Conductive Carbon Fiber Reinforced Concrete for Icing Prevention and Curing. <i>Materials</i> , 2016, 9, 281.	1.3	78
11	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
12	Self-heating and deicing conductive cement. Experimental study and modeling. <i>Construction and Building Materials</i> , 2015, 75, 442-449.	3.2	138
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	Blending of industrial waste from different sources as partial substitution of Portland cement in pastes and mortars. <i>Construction and Building Materials</i> , 2014, 66, 645-653.	3.2	45
16	Self-heating function of carbon nanofiber cement pastes. <i>Materiales De Construccion</i> , 2014, 64, e015.	0.2	8
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Multifunctional Cement Composites Strain and Damage Sensors Applied on Reinforced Concrete (RC) Structural Elements. <i>Materials</i> , 2013, 6, 841-855.	1.3	139
20	Viabilidad de utilizaci3n de una pasta de cemento con nanofibras de carbono como 3nodo en la extracci3n electroqu3mica de cloruros en hormig3n. <i>Materiales De Construccion</i> , 2013, 63, 39-48.	0.2	14
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 adici3n de nanofibras de carbono en las propiedades mec3nicas y de durabilidad de materiales cementantes. <i>Materiales De Construccion</i> , 2012, 62, 343-357.	0.2	32
24	3Es compatible la durabilidad con la sostenibilidad en la industria de la construcci3n?. <i>Revista ALCONPAT</i> , 2012, 2, 57-71.	0.2	0