

Beatriz Sanz

List of Publications by Year in descending order

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13
papers

145
citations

1478505

6
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

115
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental and numerical study of the pattern of cracking of concrete due to steel reinforcement corrosion. <i>Engineering Fracture Mechanics</i> , 2013, 114, 26-41.	4.3	45
2	Study of the loss of bond in reinforced concrete specimens with accelerated corrosion by means of push-out tests. <i>Construction and Building Materials</i> , 2018, 160, 598-609.	7.2	25
3	A closer look to the mechanical behavior of the oxide layer in concrete reinforcement corrosion. <i>International Journal of Solids and Structures</i> , 2015, 62, 256-268.	2.7	20
4	Determination of the bilinear stress-crack opening curve for normal and high strength concrete. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2008, 31, 539-548.	3.4	18
5	A method to determine the constitutive parameters of oxide in accelerated corrosion tests of reinforced concrete specimens. <i>Cement and Concrete Research</i> , 2017, 101, 68-81.	11.0	16
6	Blind competition on the numerical simulation of steel fiber reinforced concrete beams failing in shear. <i>Structural Concrete</i> , 2021, 22, 939-967.	3.1	10
7	Influence of corrosion rate on the mechanical interaction of reinforcing steel, oxide and concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	3
8	Transition from smeared to localized cracking in macro-defect-free quasibrittle structures. <i>Procedia Structural Integrity</i> , 2016, 2, 3676-3683.	0.8	2
9	Study of the influence of the oxide and concrete parameters on the results of accelerated corrosion tests. <i>Procedia Structural Integrity</i> , 2016, 2, 2849-2856.	0.8	2
10	Vectorial stress-separation laws for cohesive cracking: in concrete and other quasibrittle materials. <i>International Journal of Fracture</i> , 2020, 223, 77-92.	2.2	2
11	Numerical and experimental study of initiation of cracking of UHPFRC by means of Brazilian tests. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 118, 103276.	4.7	2
12	An experimental and numerical method to investigate the oxide behavior in corrosion of reinforced concrete. , 0, , .		0
13	Simulation of push-out tests of corroded reinforced concrete specimens by means of cohesive interface elements with frictional behavior. , 0, , .		0