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