

Beatriz Martin-Perez

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

591
citations

1306789

7
h-index

839053

18
g-index

19
all docs

19
docs citations

19
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of the effect of chloride binding on service life predictions. Cement and Concrete Research, 2000, 30, 1215-1223.	4.6	296
2	Numerical solution of mass transport equations in concrete structures. Computers and Structures, 2001, 79, 1251-1264.	2.4	151
3	Effect of bond, aggregate interlock and dowel action on the shear strength degradation of reinforced concrete. Engineering Structures, 2001, 23, 214-227.	2.6	48
4	Bayesian Belief Network to Assess Carbonation-Induced Corrosion in Reinforced Concrete. Journal of Materials in Civil Engineering, 2008, 20, 707-717.	1.3	24
5	FE approach to perform the condition assessment of a concrete overpass damaged by ASR after 50 years in service. Engineering Structures, 2018, 177, 133-146.	2.6	18
6	Strain monitoring in a reinforced concrete slab sustaining service loads by distributed Brillouin fibre optic sensors. Canadian Journal of Civil Engineering, 2010, 37, 1341-1349.	0.7	12
7	Simplified finite element model for evaluation of ultimate capacity of corrosion-damaged reinforced concrete beam-columns. International Journal of Advanced Structural Engineering, 2018, 10, 381-400.	1.3	7
8	Application of statistical models to predict roof edge suction based on wind speed. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 150, 42-53.	1.7	6
9	Evaluation of dynamic deformations of slab-on-girder bridge under moving trucks with corrosion-damaged columns. Engineering Structures, 2014, 66, 159-172.	2.6	5
10	Validation of thick-walled cylinder analogy for modelling corrosion-induced concrete cover cracking. Construction and Building Materials, 2020, 238, 117724.	3.2	5
11	Nonlinear finite element modeling of the impact of reinforcement corrosion on bridge piers under concentric loads. Structural Concrete, 2022, 23, 138-153.	1.5	5
12	Transfer length of corroded wires in prestressed concrete members. Structural Concrete, 2022, 23, 154-171.	1.5	4
13	Crack detection in reinforced concrete beam by use of distributed Brillouin fiber sensor. Proceedings of SPIE, 2008, , .	0.8	2
14	Engineering-based finite-element approach to appraise reinforced concrete structures affected by alkali-aggregate reaction. Magazine of Concrete Research, 2022, 74, 379-391.	0.9	2
15	A semi-quantitative structural evaluation framework for corrosion-damage reinforced concrete bridge columns. Engineering Structures, 2021, 238, 112185.	2.6	2
16	Determinación de la longitud de transferencia de alambres con distintos grados de corrosión en elementos pretensados de hormigón. Informes De La Construcción, 2020, 72, 339.	0.1	2
17	Analytical and numerical approaches to model cover cracking of RC structures due to corrosion. Magazine of Concrete Research, 2021, , 1-13.	0.9	1
18	Combined Effects of Freeze-Thaw and Corrosion on Performance of RC Structures: State-of-the-Art Review. Journal of Performance of Constructed Facilities, 2021, 35, 03121002.	1.0	1