

Rui Neves

List of Publications by Year in descending order

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37
papers

1,144
citations

567144

15
h-index

477173

29
g-index

38
all docs

38
docs citations

38
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbonation behaviour of recycled aggregate concrete. Cement and Concrete Composites, 2015, 62, 22-32.	4.6	250
2	Corrosion Behavior of Stainless Steel Rebars Embedded in Concrete: an Electrochemical Impedance Spectroscopy Study. Electrochimica Acta, 2014, 124, 218-224.	2.6	129
3	Statistical analysis of the carbonation coefficient in open air concrete structures. Construction and Building Materials, 2012, 29, 263-269.	3.2	100
4	Field assessment of the relationship between natural and accelerated concrete carbonation resistance. Cement and Concrete Composites, 2013, 41, 9-15.	4.6	93
5	Compressive behaviour of steel fibre reinforced concrete. Structural Concrete, 2005, 6, 1-8.	1.5	89
6	Statistical modelling of carbonation in reinforced concrete. Cement and Concrete Composites, 2014, 50, 73-81.	4.6	81
7	Prediction of Chloride Ion Penetration of Recycled Aggregate Concrete. Materials Research, 2015, 18, 427-440.	0.6	64
8	Assessing concrete carbonation resistance through air permeability measurements. Construction and Building Materials, 2015, 82, 304-309.	3.2	42
9	A method for the use of accelerated carbonation tests in durability design. Construction and Building Materials, 2012, 36, 585-591.	3.2	35
10	Influence of Unsupported Concrete Media in Corrosion Assessment for Steel Reinforcing Concrete by Electrochemical Impedance Spectroscopy. Electrochimica Acta, 2014, 124, 52-60.	2.6	32
11	Statistical Modeling of Carbonation in Concrete Incorporating Recycled Aggregates. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	26
12	Statistical modelling of the resistance to chloride penetration in concrete with recycled aggregates. Construction and Building Materials, 2018, 182, 550-560.	3.2	26
13	Comparative testâ€™Part Iâ€™Comparative test of â€™penetrabilityâ€™ methods. Materials and Structures/Materiaux Et Constructions, 2005, 38, 895-906.	1.3	21
14	Durability performance of concrete incorporating spent fluid cracking catalyst. Cement and Concrete Composites, 2015, 55, 308-314.	4.6	21
15	About the statistical interpretation of air permeability assessment results. Materials and Structures/Materiaux Et Constructions, 2012, 45, 529-539.	1.3	17
16	Statistical modelling of the influential factors on chloride penetration in concrete. Magazine of Concrete Research, 2017, 69, 255-270.	0.9	16
17	Non-destructive and on site method to assess the air-permeability in dimension stones and its relationship with other transport-related properties. Materials and Structures/Materiaux Et Constructions, 2015, 48, 3795-3809.	1.3	14
18	Residual service life of carbonated structures based on site non-destructive tests. Cement and Concrete Research, 2018, 109, 10-18.	4.6	13

#	ARTICLE	IF	CITATIONS
19	Compressive behaviour of steel fibre reinforced concrete. <i>Structural Concrete</i> , 2005, 6, 1-8.	1.5	13
20	Predicting carbonation coefficient using Artificial neural networks and genetic programming. <i>Journal of Building Engineering</i> , 2021, 39, 102258.	1.6	12
21	Assessment of the influence of Concrete Modification in the Water Uptake/Evaporation Kinetics by Electrochemical Impedance Spectroscopy. <i>Electrochimica Acta</i> , 2017, 247, 50-62.	2.6	10
22	Estimated service life of ordinary and high-performance reinforced recycled aggregate concrete. <i>Journal of Building Engineering</i> , 2022, 46, 103769.	1.6	9
23	Service life design for carbonation-induced corrosion based on air-permeability requirements. <i>Construction and Building Materials</i> , 2020, 261, 120507.	3.2	8
24	Recommendation of RILEM TC 189-NEC "Non-destructive evaluation of the concrete cover": Comparative test - Part I: Comparative test of 'penetrability' methods. <i>Materials and Structures/Materiaux Et Constructions</i> , 2005, 38, 895-906.	1.3	7
25	Recommendation of RILEM TC 189-NEC "Non-destructive evaluation of the concrete cover": Comparative test - Part II: Comparative test of "Covermeters". <i>Materials and Structures/Materiaux Et Constructions</i> , 2005, 38, 907-911.	1.3	6
26	Tree Based Approaches for Predicting Concrete Carbonation Coefficient. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3874.	1.3	4
27	Saving Raw Materials for Cement Manufacture and Reusing an Untreated Waste from the Petrochemical Industry. <i>Resources</i> , 2018, 7, 56.	1.6	3
28	Control of Cracking in Textile Reinforced Concrete with Unresin Carbon Fibers. <i>Materials</i> , 2020, 13, 3209.	1.3	2
29	Resistance of concrete to carbonation and chloride penetration assessed on site through nondestructive test. <i>Structural Concrete</i> , 2021, 22, 2581-2594.	1.5	1
30	Study on the Influence of Surface and Geometric Factors on the Results of a Nondestructive Onsite Method to Assess Air Permeability. <i>Experimental Techniques</i> , 2016, 40, 1109-1116.	0.9	0
31	Closure to discussion of "Assessing concrete carbonation resistance through air permeability measurements" [<i>Construction and Building materials</i> 82 (2015)] by Chao Jiang and Xianglim Gu. <i>Construction and Building Materials</i> , 2016, 102, 916-917.	3.2	0
32	Comment on "Laboratory Measurement and Analysis of the Deteriorated Layer Permeability Coefficient of Soil-Cement Deteriorated in a Saline Environment". <i>Materials</i> , 2020, 13, 196.	1.3	0
33	Active-state corrosion in recycled aggregate concrete. , 2021, , 545-564.		0
34	Combined Non Destructive Testing for concrete compressive strength prediction. , 2015, , 62-62.		0
35	Study on the Influence of Surface and Geometric Factors on the Results of a Nondestructive Onsite Method to Assess Air Permeability. <i>Experimental Techniques</i> , 2015, , n/a-n/a.	0.9	0
36	Comments on "Prediction on CO2 uptake of recycled aggregate concrete", <i>Frontiers of Structural and Civil Engineering</i> , 14, 746-759 (2020). <i>Frontiers of Structural and Civil Engineering</i> , 0, , 1.	1.2	0

#	ARTICLE	IF	CITATIONS
37	Experimental Contribution Concerning the Effect of Carbonation Reaction on the Oxygen Permeability of Concrete. Periodica Polytechnica: Civil Engineering, 0, , .	0.6	0