

Riaan Combrinck

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

670
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastic shrinkage cracking in 3D printed concrete. <i>Composites Part B: Engineering</i> , 2020, 200, 108313.	12.0	99
2	Modelling the severity of plastic shrinkage cracking in concrete. <i>Cement and Concrete Research</i> , 2013, 48, 34-39.	11.0	74
3	Concrete containing waste recycled glass, plastic and rubber as sand replacement. <i>Construction and Building Materials</i> , 2021, 269, 121242.	7.2	70
4	Combined effect of nano-silica, super absorbent polymers, and synthetic fibres on plastic shrinkage cracking in concrete. <i>Construction and Building Materials</i> , 2018, 192, 85-98.	7.2	58
5	Interaction between settlement and shrinkage cracking in plastic concrete. <i>Construction and Building Materials</i> , 2018, 185, 1-11.	7.2	57
6	Measuring the thixotropy of conventional concrete: The influence of viscosity modifying agent, superplasticiser and water. <i>Construction and Building Materials</i> , 2019, 225, 853-867.	7.2	54
7	Typical plastic shrinkage cracking behaviour of concrete. <i>Magazine of Concrete Research</i> , 2013, 65, 486-493.	2.0	48
8	State-of-the-art review on the use of sugarcane bagasse ash in cementitious materials. <i>Cement and Concrete Composites</i> , 2021, 118, 103975.	10.7	42
9	Modelling the interlayer bond strength of 3D printed concrete with surface moisture. <i>Cement and Concrete Research</i> , 2021, 150, 106559.	11.0	39
10	Rheo-viscoelastic behaviour of fresh cement-based materials: Cement paste, mortar and concrete. <i>Construction and Building Materials</i> , 2020, 248, 118667.	7.2	34
11	Influence of concrete depth and surface finishing on the cracking of plastic concrete. <i>Construction and Building Materials</i> , 2018, 175, 621-628.	7.2	27
12	Tensile properties of plastic concrete and the influence of temperature and cyclic loading. <i>Cement and Concrete Composites</i> , 2019, 97, 300-311.	10.7	21
13	Shear rheo-viscoelasticity approach to the plastic cracking of early-age concrete. <i>Cement and Concrete Research</i> , 2020, 135, 106127.	11.0	14
14	A weather data analysis method to mitigate and prevent plastic shrinkage cracking. <i>Construction and Building Materials</i> , 2020, 253, 119066.	7.2	13
15	Shear and viscoelastic properties of early-age concrete using small-amplitude and low-rate rheometry “ From fresh state to initial set. <i>Cement and Concrete Composites</i> , 2021, 124, 104223.	10.7	10
16	Plastic cracking behaviour of concrete and its interdependence on rheo-physical properties. <i>Composites Part B: Engineering</i> , 2022, 230, 109527.	12.0	9