

Nadarajah Gowripalan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

840
citations

840119

11
h-index

713013

21
g-index

22
all docs

22
docs citations

22
times ranked

792
citing authors

#	ARTICLE	IF	CITATIONS
1	Chloride diffusivity of concrete cracked in flexure. <i>Cement and Concrete Research</i> , 2000, 30, 725-730.	4.6	180
2	Performance of spalling resistance of high performance concrete with polypropylene fiber contents and lateral confinement. <i>Cement and Concrete Research</i> , 2005, 35, 1747-1753.	4.6	172
3	Microcracking and chloride permeability of concrete under uniaxial compression. <i>Cement and Concrete Composites</i> , 2000, 22, 353-360.	4.6	117
4	Simultaneous measurement of shrinkage and temperature of reactive powder concrete at early-age using fibre Bragg grating sensors. <i>Cement and Concrete Composites</i> , 2007, 29, 490-497.	4.6	87
5	Mechanisms of Heavy Metal Immobilisation using Geopolymerisation Techniques – A review. <i>Journal of Advanced Concrete Technology</i> , 2018, 16, 124-135.	0.8	60
6	Chloride-ion induced corrosion of galvanized and ordinary steel reinforcement in high-performance concrete. <i>Cement and Concrete Research</i> , 1998, 28, 1119-1131.	4.6	59
7	Assessing carbonation in one-part fly ash/slag geopolymer mortar: Change in pore characteristics using the state-of-the-art technique neutron tomography. <i>Cement and Concrete Composites</i> , 2020, 114, 103759.	4.6	26
8	Measurement of the coefficient of thermal expansion of ultra-high strength cementitious composites using fibre optic sensors. <i>Cement and Concrete Research</i> , 2007, 37, 789-795.	4.6	24
9	Effects of deposition velocity in the presence/absence of E6-glass fibre on extrusion-based 3D printed mortar. <i>Additive Manufacturing</i> , 2020, 32, 101069.	1.7	24
10	Experimental and numerical analysis of 3D printed cement mortar specimens using inkjet 3DP. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	1.9	17
11	Pressure exerted on formwork by self-compacting concrete at early ages: A review. <i>Case Studies in Construction Materials</i> , 2021, 15, e00642.	0.8	12
12	Accelerated test for assessing the potential risk of alkali-silica reaction in concrete using an autoclave. <i>Construction and Building Materials</i> , 2021, 271, 121871.	3.2	10
13	Effects of Different Orientation Angle, Size, Surface Roughness, and Heat Curing on Mechanical Behavior of 3D Printed Cement Mortar With/Without Glass Fiber in Powder-Based 3DP. <i>3D Printing and Additive Manufacturing</i> , 2023, 10, 330-355.	1.4	9
14	An assessment of concrete curing efficiency using gas permeability. <i>Magazine of Concrete Research</i> , 1989, 41, 193-198.	0.9	8
15	Strength properties of raffia bamboo. <i>Construction and Building Materials</i> , 1989, 3, 49-52.	3.2	7
16	Design of Disturbed Regions in Reactive Powder Concrete Bridge Girders. , 2003, , 117.		7
17	Experimental Investigation of Drying Shrinkage and Creep of Concrete Using Fibre-Optic Sensors. <i>Advances in Structural Engineering</i> , 2007, 10, 219-228.	1.2	7
18	Influence of reinforcement on tribological properties of friction stir welded glass fiber reinforced polyamide 66. <i>Journal of Manufacturing Processes</i> , 2020, 58, 1052-1063.	2.8	6

#	ARTICLE	IF	CITATIONS
19	Effect of Heat Curing and E6-Glass Fibre Reinforcement Addition on Powder-Based 3DP Cement Mortar. RILEM Bookseries, 2020, , 508-515.	0.2	3
20	Modified polymer bar reinforcement for concrete elements. Construction and Building Materials, 1988, 2, 106-111.	3.2	2
21	Absorption of Aramid Prestressing Rods in Aggressive Solutions. Journal of Composites for Construction, 2001, 5, 254-257.	1.7	2
22	Elasto-plastic damage modelling of beams and columns with mechanical degradation. Computers and Concrete, 2017, 19, 315-323.	0.7	1