

# Nadarajah Gowripalan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/923656/publications.pdf>

Version: 2024-02-01

22  
papers

840  
citations

840776  
11  
h-index

713466  
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. Cement and Concrete Research, 2000, 30, 725-730.	11.0	180
2	Performance of spalling resistance of high performance concrete with polypropylene fiber contents and lateral confinement. Cement and Concrete Research, 2005, 35, 1747-1753.	11.0	172
3	Microcracking and chloride permeability of concrete under uniaxial compression. Cement and Concrete Composites, 2000, 22, 353-360.	10.7	117
4	Simultaneous measurement of shrinkage and temperature of reactive powder concrete at early-age using fibre Bragg grating sensors. Cement and Concrete Composites, 2007, 29, 490-497.	10.7	87
5	Mechanisms of Heavy Metal Immobilisation using Geopolymerisation Techniques – A review. Journal of Advanced Concrete Technology, 2018, 16, 124-135.	1.8	60
6	Chloride-ion induced corrosion of galvanized and ordinary steel reinforcement in high-performance concrete. Cement and Concrete Research, 1998, 28, 1119-1131.	11.0	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. Cement and Concrete Composites, 2020, 114, 103759.	10.7	26
8	Measurement of the coefficient of thermal expansion of ultra-high strength cementitious composites using fibre optic sensors. Cement and Concrete Research, 2007, 37, 789-795.	11.0	24
9	Effects of deposition velocity in the presence/absence of E6-glass fibre on extrusion-based 3D printed mortar. Additive Manufacturing, 2020, 32, 101069.	3.0	24
10	Experimental and numerical analysis of 3D printed cement mortar specimens using inkjet 3DP. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	3.8	17
11	Pressure exerted on formwork by self-compacting concrete at early ages: A review. Case Studies in Construction Materials, 2021, 15, e00642.	1.7	12
12	Accelerated test for assessing the potential risk of alkali-silica reaction in concrete using an autoclave. Construction and Building Materials, 2021, 271, 121871.	7.2	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. 3D Printing and Additive Manufacturing, 2023, 10, 330-355.	2.9	9
14	An assessment of concrete curing efficiency using gas permeability. Magazine of Concrete Research, 1989, 41, 193-198.	2.0	8
15	Strength properties of raffia bamboo. Construction and Building Materials, 1989, 3, 49-52.	7.2	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. Advances in Structural Engineering, 2007, 10, 219-228.	2.4	7
18	Influence of reinforcement on tribological properties of friction stir welded glass fiber reinforced polyamide 66. Journal of Manufacturing Processes, 2020, 58, 1052-1063.	5.9	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.	0.4	3
20	Modified polymer bar reinforcement for concrete elements. Construction and Building Materials, 1988, 2, 106-111.	7.2	2
21	Absorption of Aramid Prestressing Rods in Aggressive Solutions. Journal of Composites for Construction, 2001, 5, 254-257.	3.2	2
22	Elasto-plastic damage modelling of beams and columns with mechanical degradation. Computers and Concrete, 2017, 19, 315-323.	0.7	1