

# Dionysios A Bournas

## List of Publications by Year in descending order

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34  
papers

2,608  
citations

257357

24  
h-index

377752

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strengthening of Concrete Structures with Textile Reinforced Mortars: State-of-the-Art Review. <i>Journal of Composites for Construction</i> , 2019, 23, .	1.7	279
2	Textile-reinforced mortar (TRM) versus fiber-reinforced polymers (FRP) in shear strengthening of concrete beams. <i>Composites Part B: Engineering</i> , 2015, 77, 338-348.	5.9	196
3	Performance of industrial buildings during the Emilia earthquakes in Northern Italy and recommendations for their strengthening. <i>Bulletin of Earthquake Engineering</i> , 2014, 12, 2383-2404.	2.3	165
4	Textile-reinforced mortar (TRM) versus fibre-reinforced polymers (FRP) in flexural strengthening of RC beams. <i>Construction and Building Materials</i> , 2017, 151, 279-291.	3.2	161
5	TRM vs FRP jacketing in shear strengthening of concrete members subjected to high temperatures. <i>Composites Part B: Engineering</i> , 2016, 106, 190-205.	5.9	122
6	Textile-Reinforced Mortar versus FRP Jacketing in Seismic Retrofitting of RC Columns with Continuous or Lap-Spliced Deformed Bars. <i>Journal of Composites for Construction</i> , 2009, 13, 360-371.	1.7	115
7	TRM versus FRP in flexural strengthening of RC beams: Behaviour at high temperatures. <i>Construction and Building Materials</i> , 2017, 154, 424-437.	3.2	110
8	Pseudodynamic tests on a full-scale 3-storey precast concrete building: Behavior of the mechanical connections and floor diaphragms. <i>Engineering Structures</i> , 2013, 57, 609-627.	2.6	102
9	Bond between textile-reinforced mortar (TRM) and concrete substrates: Experimental investigation. <i>Composites Part B: Engineering</i> , 2016, 98, 350-361.	5.9	102
10	Bond between TRM versus FRP composites and concrete at high temperatures. <i>Composites Part B: Engineering</i> , 2017, 127, 150-165.	5.9	101
11	Shear strengthening of full-scale RC T-beams using textile-reinforced mortar and textile-based anchors. <i>Composites Part B: Engineering</i> , 2016, 95, 225-239.	5.9	99
12	Energy performance of existing residential buildings in Europe: A novel approach combining energy with seismic retrofitting. <i>Energy and Buildings</i> , 2020, 223, 110024.	3.1	99
13	Concurrent seismic and energy retrofitting of RC and masonry building envelopes using inorganic textile-based composites combined with insulation materials: A new concept. <i>Composites Part B: Engineering</i> , 2018, 148, 166-179.	5.9	95
14	Experimental assessment of the seismic performance of a prefabricated concrete structural wall system. <i>Engineering Structures</i> , 2011, 33, 2049-2062.	2.6	92
15	Pseudodynamic tests on a full-scale 3-storey precast concrete building: Global response. <i>Engineering Structures</i> , 2013, 57, 594-608.	2.6	86
16	Out-of-Plane Strengthening of Masonry-Infilled RC Frames with Textile-Reinforced Mortar Jackets. <i>Journal of Composites for Construction</i> , 2019, 23, .	1.7	69
17	Bond Strength of Lap-Spliced Bars in Concrete Confined with Composite Jackets. <i>Journal of Composites for Construction</i> , 2011, 15, 156-167.	1.7	67
18	Flexural Strengthening of Two-Way RC Slabs with Textile-Reinforced Mortar: Experimental Investigation and Design Equations. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	66

#	ARTICLE	IF	CITATIONS
19	Shear strengthening of concrete members with TRM jackets: Effect of shear span-to-depth ratio, material and amount of external reinforcement. Composites Part B: Engineering, 2018, 137, 184-201.	5.9	65
20	Bar Buckling in RC Columns Confined with Composite Materials. Journal of Composites for Construction, 2011, 15, 393-403.	1.7	64
21	Tensile capacity of FRP anchors in connecting FRP and TRM sheets to concrete. Engineering Structures, 2015, 82, 72-81.	2.6	58
22	Seismic upgrading of existing reinforced concrete buildings: A state-of-the-art review. Engineering Structures, 2021, 240, 112273.	2.6	51
23	Concrete confinement with TRM versus FRP jackets at elevated temperatures. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	1.3	35
24	On the design of shear-strengthened RC members through the use of textile reinforced mortar overlays. Composites Part B: Engineering, 2018, 147, 178-196.	5.9	34
25	Fiber Reinforced Composites with Cementitious (Inorganic) Matrix. RILEM State-of-the-Art Reports, 2016, , 349-392.	0.3	25
26	TRM strengthening of masonry arches: An experimental investigation on the effect of strengthening layout and textile fibre material. Composites Part B: Engineering, 2019, 173, 106765.	5.9	25
27	Background to the European seismic design provisions for retrofitting RC elements using FRP materials. Structural Concrete, 2016, 17, 194-219.	1.5	24
28	Integrated Structural and Energy Retrofitting of Masonry Walls: Effect of In-Plane Damage on the Out-of-Plane Response. Journal of Composites for Construction, 2020, 24, .	1.7	24
29	Confinement of masonry columns with textile-reinforced mortar jackets. Construction and Building Materials, 2020, 258, 120343.	3.2	23
30	Strengthening of RC frame subassemblies against progressive collapse using TRM and NSM reinforcement. Engineering Structures, 2020, 207, 110002.	2.6	18
31	A gradient elastic homogenisation model for brick masonry. Engineering Structures, 2020, 208, 110311.	2.6	13
32	A unified macro-modelling approach for masonry-infilled RC frames strengthened with composite materials. Engineering Structures, 2020, 223, 111161.	2.6	12
33	Flexural Strengthening of Two-Way RC Slabs with Cut Openings Using Textile-Reinforced Mortar Composites. Journal of Composites for Construction, 2021, 25, .	1.7	7
34	Towards a Comprehensive Asset Integrity Management (AIM) Approach for European Infrastructures. Transportation Research Procedia, 2016, 14, 4060-4069.	0.8	4