

# Julien Michels

## List of Publications by Year in descending order

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36  
papers

1,347  
citations

394421

19  
h-index

414414

32  
g-index

36  
all docs

36  
docs citations

36  
times ranked

792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron-based shape memory alloy strips for strengthening RC members: Material behavior and characterization. <i>Construction and Building Materials</i> , 2018, 173, 586-599.	7.2	133
2	Glass transition evaluation of commercially available epoxy resins used for civil engineering applications. <i>Composites Part B: Engineering</i> , 2015, 77, 484-493.	12.0	114
3	Structural Strengthening with Prestressed CFRP Strips with Gradient Anchorage. <i>Journal of Composites for Construction</i> , 2013, 17, 651-661.	3.2	99
4	Effect of curing conditions on strength development in an epoxy resin for structural strengthening. <i>Composites Part B: Engineering</i> , 2012, 43, 398-410.	12.0	95
5	Steel fibers as only reinforcement for flat slab construction – Experimental investigation and design. <i>Construction and Building Materials</i> , 2012, 26, 145-155.	7.2	94
6	Experimental and numerical investigation on postcracking behavior of steel fiber reinforced concrete. <i>Engineering Fracture Mechanics</i> , 2013, 98, 326-349.	4.3	77
7	Thermally activated iron-based shape memory alloy for strengthening metallic girders. <i>Thin-Walled Structures</i> , 2019, 141, 389-401.	5.3	73
8	Flexural strengthening of structural concrete with iron-based shape memory alloy strips. <i>Structural Concrete</i> , 2018, 19, 876-891.	3.1	65
9	Mechanical performance of cold-curing epoxy adhesives after different mixing and curing procedures. <i>Composites Part B: Engineering</i> , 2016, 98, 434-443.	12.0	55
10	A comparative study between Fe-SMA and CFRP reinforcements for prestressed strengthening of metallic structures. <i>Construction and Building Materials</i> , 2019, 226, 976-992.	7.2	54
11	Iron based shape memory alloys as shear reinforcement for bridge girders. <i>Construction and Building Materials</i> , 2021, 274, 121793.	7.2	54
12	Prestressed CFRP Strips with Gradient Anchorage for Structural Concrete Retrofitting: Experiments and Numerical Modeling. <i>Polymers</i> , 2014, 6, 114-131.	4.5	45
13	Strengthening and prestressing of bridge decks with ribbed iron-based shape memory alloy bars. <i>Engineering Structures</i> , 2021, 241, 112467.	5.3	44
14	Flexural behaviour of RC slabs strengthened with prestressed CFRP strips using different anchorage systems. <i>Composites Part B: Engineering</i> , 2015, 81, 158-170.	12.0	43
15	Prestressed CFRP Strips for Concrete Bridge Girder Retrofitting: Application and Static Loading Test. <i>Journal of Bridge Engineering</i> , 2016, 21, .	2.9	39
16	Durability of RC slabs strengthened with prestressed CFRP laminate strips under different environmental and loading conditions. <i>Composites Part B: Engineering</i> , 2017, 125, 71-88.	12.0	39
17	Structural Strengthening of Concrete with Fiber Reinforced Cementitious Matrix (FRCM) at Ambient and Elevated Temperature – Recent Investigations in Switzerland. <i>Advances in Structural Engineering</i> , 2014, 17, 1785-1799.	2.4	28
18	Temporary bond strength of partly cured epoxy adhesive for anchoring prestressed CFRP strips on concrete. <i>Composite Structures</i> , 2012, 94, 2667-2676.	5.8	24

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19	Flexural Strengthening of RC Slabs with Prestressed CFRP Strips Using Different Anchorage Systems. <i>Polymers</i> , 2015, 7, 2100-2118.	4.5	20
20	Debonding failure mechanisms in prestressed CFRP/epoxy/concrete connections. <i>Engineering Fracture Mechanics</i> , 2014, 132, 16-37.	4.3	19
21	Long-term residual anchorage resistance of gradient anchorages for prestressed CFRP strips. <i>Composites Part B: Engineering</i> , 2018, 139, 171-184.	12.0	17
22	Fatigue behaviour at elevated temperature of RC slabs strengthened with EB CFRP strips. <i>Composites Part B: Engineering</i> , 2018, 141, 37-49.	12.0	16
23	Behaviour of Prestressed CFRP Anchorages during and after Freeze-Thaw Cycle Exposure. <i>Polymers</i> , 2018, 10, 565.	4.5	15
24	Influence of the asphalt pavement on the short-term static strength and long-term behaviour of RC slabs strengthened with externally bonded CFRP strips. <i>Engineering Structures</i> , 2017, 150, 481-496.	5.3	12
25	Prestressed FRP Systems. <i>RILEM State-of-the-Art Reports</i> , 2016, , 263-301.	0.7	12
26	Development of Rolling Technology for an Iron-Based Shape-Memory-Alloy. <i>Materials Science Forum</i> , 0, 854, 79-86.	0.3	10
27	Anchorage resistance of CFRP strips externally bonded to various cementitious substrates. <i>Composites Part B: Engineering</i> , 2014, 63, 50-60.	12.0	9
28	Calculation Technique for Externally Unbonded CFRP Strips in Structural Concrete Retrofitting. <i>Journal of Engineering Mechanics - ASCE</i> , 2016, 142, .	2.9	9
29	Uniaxial behavior of pre-stressed iron-based shape memory alloy rebars under cyclic loading reversals. <i>Construction and Building Materials</i> , 2022, 326, 126900.	7.2	9
30	Prestress force-release tests at elevated temperatures " Gradient anchorage stability for prestressed EB CFRP strips. <i>Composite Structures</i> , 2016, 137, 159-169.	5.8	8
31	Mechanical Performance of Fe-SMA Ribbed Bars for Concrete Prestressing. <i>ACI Materials Journal</i> , 2018, 115, .	0.2	8
32	Tragverhalten von Flachdecken aus Stahlfaserbeton im negativen Momentenbereich und Bemessungsmodell für das Gesamtsystem. <i>Beton- Und Stahlbetonbau</i> , 2010, 105, 496-508.	0.4	5
33	The Gradient Anchorage Method for Prestressed CFRP Strips: from the Development to the Strengthening of an 18 M Long Bridge Girder. <i>Slovak Journal of Civil Engineering</i> , 2018, 26, 29-40.	0.5	3
34	Experimental tests of post-tensioned girders strengthened with prestressed CFRP composites. <i>Budownictwo I Architektura</i> , 2020, 13, 159-166.	0.3	0
35	Shear Capacity Assessment of Posttensioned Concrete Girders Strengthened with CFRP Materials. , 2018, , 858-866.		0
36	Long-term structural and durability performances of reinforced concrete elements strengthened in flexure with CFRP laminates: a research project. <i>IABSE Symposium Report</i> , 2019, , .	0.0	0