LluÃ-s Torres LlinÃ s

List of Publications by Year
in descending order

72 papers	2,316 citations	218677 26 h-index	214800 47 g-index
74 all docs	74 docs citations	74 times ranked	1251 citing authors

#	Article	IF	Citations
1	Flexural Performance of NSM CFRP Strengthened Concrete Beams Under Temperature. Lecture Notes in Civil Engineering, 2022, , 836-847.	0.4	0
2	Measurement and Analysis of Cracking Behaviour of RC Beams Strengthened with NSM CFRP Strips Using Digital Image Correlation. Lecture Notes in Civil Engineering, 2022, , 1645-1656.	0.4	0
3	Influence of Bond Characterization on Load-Mean Strain and Tension Stiffening Behavior of Concrete Elements Reinforced with Embedded FRP Reinforcement. Materials, 2022, 15, 799.	2.9	4
4	The effect of steady and cyclic environmental conditions on the tensile behaviour of a structural adhesive under sustained loading. Composite Structures, 2022, 286, 115287.	5.8	5
5	Influence of curing, post-curing and testing temperatures on mechanical properties of a structural adhesive. Construction and Building Materials, 2022, 324, 126698.	7.2	26
6	COMPARATIVE ANALYSIS OF FLEXURAL STIFFNESS OF CONCRETE ELEMENTS WITH DIFFERENT TYPES OF COMPOSITE REINFORCEMENT SYSTEMS. Science: Future of Lithuania, 2021, 13, 1-5.	0.1	0
7	Extension of the Î¶ â€method for calculating deflections of twoâ€way slabs based on linear elastic finite element analysis. Structural Concrete, 2021, 22, 1652-1670.	3.1	1
8	Experimental Study of the Effect of High Service Temperature on the Flexural Performance of Near-Surface Mounted (NSM) Carbon Fiber-Reinforced Polymer (CFRP)-Strengthened Concrete Beams. Polymers, 2021, 13, 920.	4.5	12
9	Rational Approach for Computing Long-Term Deflection of Reinforced Concrete. ACI Structural Journal, 2021, 118, .	0.2	1
10	LÃmites de esbeltez basados en prestaciones para vigas de hormigÃ³n armado para el control de deformaciones y el control de tensiones en la armadura. Hormigon Y Acero, 2021, 72, 31-37.	0.2	0
11	Experimental study and numerical prediction of the bond response of NSM CFRP laminates in RC elements under sustained loading. Construction and Building Materials, 2021, 288, 123082.	7.2	11
12	Performance of Linear Mixed Models to Assess the Effect of Sustained Loading and Variable Temperature on Concrete Beams Strengthened with NSM-FRP. Sensors, 2021, 21, 5046.	3.8	2
13	Analysis of the Impact of Sustained Load and Temperature on the Performance of the Electromechanical Impedance Technique through Multilevel Machine Learning and FBG Sensors. Sensors, 2021, 21, 5755.	3.8	5
14	Sustained Loading Bond Response and Post-Sustained Loading Behaviour of NSM CFRP-Concrete Elements under Different Service Temperatures. Applied Sciences (Switzerland), 2021, 11, 8542.	2.5	2
15	Diagnosis of NSM FRP reinforcement in concrete by using mixed-effects models and EMI approaches. Composite Structures, 2021, 273, 114322.	5.8	10
16	Standardised quantification of structural efficiency of hybrid reinforcement systems for developing concrete composites. Composite Structures, 2021, 274, 114357.	5.8	15
17	Time-dependent behavior of NSM strengthened RC beams under sustained loading. Engineering Structures, 2021, 247, 113210.	5.3	3
18	Flexural behaviour of FRP reinforced concrete beams strengthened with NSM CFRP strips. Composite Structures, 2020, 241, 112059.	5.8	58

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19	Characterization and Simulation of the Bond Response of NSM FRP Reinforcement in Concrete. Materials, 2020, 13, 1770.	2.9	20
20	Flexural behavior of rubberized concrete beams strengthened in shear using welded wire mesh. Composite Structures, 2020, 247, 112485.	5.8	13
21	An EMI-Based Clustering for Structural Health Monitoring of NSM FRP Strengthening Systems. Sensors, 2019, 19, 3775.	3.8	34
22	Performance-based slenderness limits for deformations and crack control of reinforced concrete flexural members. Engineering Structures, 2019, 187, 267-279.	5.3	9
23	A Novel Approach to Residual Stiffness Analysis of Flexural Concrete Elements with Composite Reinforcement. IABSE Symposium Report, 2019, , .	0.0	8
24	Bond response of NSM CFRP strips in concrete under sustained loading and different temperature and humidity conditions. Composite Structures, 2018, 192, 1-7.	5.8	20
25	Effect of axial stiffness of NSM FRP reinforcement and concrete cover confinement on flexural behaviour of strengthened RC beams: Experimental and numerical study. Engineering Structures, 2018, 173, 987-1001.	5.3	63
26	Bond behavior of NSM CFRP laminates in concrete under sustained loading. Construction and Building Materials, 2018, 177, 237-246.	7.2	17
27	An experimental study on cracking and deformations of tensile concrete elements reinforced with multiple GFRP bars. Composite Structures, 2018, 201, 477-485.	5.8	7
28	Experimental study on crack width and crack spacing for Glass-FRP reinforced concrete beams. Engineering Structures, 2017, 131, 231-242.	5.3	82
29	Experimental Identification of Cracking Parameters of Concrete Ties with Different Reinforcement and Testing Layouts. Procedia Engineering, 2017, 172, 930-936.	1.2	4
30	Deformation analysis of reinforced concrete ties: Representative geometry. Structural Concrete, 2017, 18, 634-647.	3.1	27
31	Effect of sustained loading and environmental conditions on the creep behavior of an epoxy adhesive for concrete structures strengthened with CFRP laminates. Composites Part B: Engineering, 2017, 129, 88-96.	12.0	43
32	Learning based on the project entitled "Design and construction of a wooden bridge". Journal of Technology and Science Education, 2016, 6, 135.	1.2	1
33	Numerical simulation of bond-slip interface and tension stiffening in GFRP RC tensile elements. Composite Structures, 2016, 153, 504-513.	5.8	26
34	EXPERIMENTAL STUDY OF THE INFLUENCE OF ADHESIVE PROPERTIES AND BOND LENGTH ON THE BOND BEHAVIOUR OF NSM FRP BARS IN CONCRETE. Journal of Civil Engineering and Management, 2016, 22, 808-817.	3.5	34
35	Bond behaviour between recycled aggregate concrete and glass fibre reinforced polymer bars. Construction and Building Materials, 2016, 106, 449-460.	7.2	51
36	Flexural Behavior of Fire-Damaged Reinforced Concrete Slabs Repaired with Near-Surface Mounted (NSM) Carbon Fiber Reinforced Polymer (CFRP) Rods. Journal of Advanced Concrete Technology, 2015, 13, 15-29.	1.8	15

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37	Experimental study of bond-slip of GFRP bars in concrete under sustained loads. Composites Part B: Engineering, 2015, 74, 42-52.	12.0	46
38	Short and long-term cracking behaviour of GFRP reinforced concrete beams. Composites Part B: Engineering, 2015, 77, 223-231.	12.0	28
39	Experimental and analytical investigation into the flexural performance of RC beams with partially and fully bonded NSM FRP bars/strips. Composite Structures, 2015, 122, 113-126.	5.8	97
40	Shear strain influence in the service response of FRP reinforced concrete beams. Composite Structures, 2015, 121, 142-153.	5.8	9
41	Modelling of tension-stiffening in bending RC elements based on equivalent stiffness of the rebar. Structural Engineering and Mechanics, 2015, 53, 997-1016.	1.0	10
42	Full-Scale Shaking Table Tests on a Substandard RC Building Repaired and Strengthened with Post-Tensioned Metal Straps. Journal of Earthquake Engineering, 2014, 18, 187-213.	2.5	42
43	Experimental study of tension stiffening in GFRP RC tensile members under sustained load. Engineering Structures, 2014, 79, 390-400.	5.3	21
44	Flexural response of reinforced concrete (RC) beams strengthened with near surface mounted (NSM) fibre reinforced polymer (FRP) bars. Composite Structures, 2014, 109, 8-22.	5.8	166
45	Shake Table Tests on Deficient RC Buildings Strengthened Using Post-Tensioned Metal Straps. Geotechnical, Geological and Earthquake Engineering, 2014, , 187-202.	0.2	5
46	Estudio de la adherencia de barras NSM FRP como refuerzo de estructuras de hormigÃ³n. , 2014, , 165-181.		0
47	Long-term deflections of reinforced concrete elements: accuracy analysis of predictions by different methods. Mechanics of Time-Dependent Materials, 2013, 17, 297-313.	4.4	21
48	Effect of material properties on long-term deflections of GFRP reinforced concrete beams. Construction and Building Materials, 2013, 41, 99-108.	7.2	33
49	Cracking and deflections in GFRP RC beams: An experimental study. Composites Part B: Engineering, 2013, 55, 580-590.	12.0	63
50	Design for SLS according to fib Model Code 2010. Structural Concrete, 2013, 14, 99-123.	3.1	55
51	Analysis of tensile and flexural modulus in hemp strands/polypropylene composites. Composites Part B: Engineering, 2013, 47, 339-343.	12.0	52
52	Comparative analysis of deformations and tension-stiffening in concrete beams reinforced with GFRP or steel bars and fibers. Composites Part B: Engineering, 2013, 50, 158-170.	12.0	73
53	An experimental study of different factors affecting the bond of NSM FRP bars in concrete. Composite Structures, 2013, 99, 350-365.	5.8	108
54	Analysis of cracking behaviour and tension stiffening in FRP reinforced concrete tensile elements. Composites Part B: Engineering, 2013, 45, 1360-1367.	12.0	22

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55	Experimental study of immediate and time-dependent deflections of GFRP reinforced concrete beams. Composite Structures, 2013, 96, 279-285.	5.8	43
56	Effect of different material and construction details on the bond behaviour of NSM FRP bars in concrete. Construction and Building Materials, 2013, 38, 890-902.	7.2	61
57	Prediction of Concrete Shrinkage Occurring Prior to External Loading and Effect on Short-Term Constitutive Modeling and Design. Advances in Structural Engineering, 2013, 16, 1061-1080.	2.4	10
58	Serviceability Limit State of FRP RC Beams. Advances in Structural Engineering, 2012, 15, 653-663.	2.4	13
59	DESIGN OF FRP REINFORCED CONCRETE BEAMS FOR SERVICEABILITY REQUIREMENTS. Journal of Civil Engineering and Management, 2012, 18, 843-857.	3.5	24
60	Micromechanics of hemp strands in polypropylene composites. Composites Science and Technology, 2012, 72, 1209-1213.	7.8	75
61	RESEARCH ON THE SUITABILITY OF ORGANOSOLV SEMI-CHEMICAL TRITICALE FIBERS AS REINFORCEMENT FOR RECYCLED HDPE COMPOSITES. BioResources, 2012, 7, .	1.0	8
62	Design procedure and simplified equations for the flexural capacity of concrete members reinforced with fibre-reinforced polymer bars. Structural Concrete, 2012, 13, 119-129.	3.1	14
63	A rational method to predict long-term deflections of FRP reinforced concrete members. Engineering Structures, 2012, 40, 230-239.	5.3	11
64	Experimental study and code predictions of fibre reinforced polymer reinforced concrete (FRP RC) tensile members. Composite Structures, 2011, 93, 2511-2520.	5.8	26
65	Comparative Study of Deflection Equations for FRP RC Beams. , 2011, , 744-747.		0
66	A simplified method to obtain time-dependent curvatures and deflections of concrete members reinforced with FRP bars. Composite Structures, 2010, 92, 1833-1838.	5.8	17
67	Experimental study of bond behaviour between concrete and FRP bars using a pull-out test. Composites Part B: Engineering, 2009, 40, 784-797.	12.0	325
68	An experimental study of the flexural behaviour of GFRP RC beams and comparison with prediction models. Composite Structures, 2009, 91, 286-295.	5.8	125
69	Tension-Stiffening Model for Cracked Flexural Concrete Members. Journal of Structural Engineering, 2004, 130, 1242-1251.	3.4	57
70	A proposed semi-prefabricated prestressed composite slab. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2004, 157, 309-317.	0.8	6
71	A numerical model for sequential construction, repairing and strengthening of 2-D concrete frames. Engineering Structures, 2003, 25, 323-336.	5.3	13
72	Application of qualitative reasoning in engineering. Applied Artificial Intelligence, 1998, 12, 29-48.	3.2	5