

Robin Kalfat

List of Publications by Year in descending order

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43
papers

965
citations

430874

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46
times ranked

535
citing authors

#	ARTICLE	IF	CITATIONS
1	Anchorage Devices Used to Improve the Performance of Reinforced Concrete Beams Retrofitted with FRP Composites: State-of-the-Art Review. <i>Journal of Composites for Construction</i> , 2013, 17, 14-33.	3.2	250
2	Investigation into bond behaviour of a new CFRP anchorage system for concrete utilising a mechanically strengthened substrate. <i>Composite Structures</i> , 2010, 92, 2738-2746.	5.8	55
3	Linking seismic resilience into sustainability assessment of limited-ductility RC buildings. <i>Engineering Structures</i> , 2019, 188, 121-136.	5.3	51
4	Investigation into CFRP laminate anchorage systems utilising bi-directional fabric wrap. <i>Composite Structures</i> , 2011, 93, 1265-1274.	5.8	48
5	Improvement of FRP-to-concrete bond performance using bidirectional fiber patch anchors combined with FRP spike anchors. <i>Composite Structures</i> , 2016, 155, 89-98.	5.8	41
6	Torsional strengthening of RC beams using NSM CFRP rope and innovative adhesives. <i>Composite Structures</i> , 2018, 187, 190-202.	5.8	35
7	Shear strengthening of RC beams using NSM CFRP bonded using cement-based adhesive. <i>Construction and Building Materials</i> , 2021, 301, 124365.	7.2	34
8	An efficiency framework for anchorage devices used to enhance the performance of FRP strengthened RC members. <i>Construction and Building Materials</i> , 2018, 191, 354-375.	7.2	33
9	Investigation into CFRP plate end anchorage utilising uni-directional fabric wrap. <i>Composite Structures</i> , 2011, 93, 821-830.	5.8	31
10	Experimental investigation into the use of NSM FRP to increase the torsional resistance of RC beams using epoxy resins and cement-based adhesives. <i>Construction and Building Materials</i> , 2016, 124, 1153-1164.	7.2	29
11	Torsional strengthening of reinforced concrete beams using different configurations of NSM FRP with epoxy resins and cement-based adhesives. <i>Composite Structures</i> , 2017, 168, 569-581.	5.8	26
12	Development of a hybrid anchor to improve the bond performance of multiple plies of FRP laminates bonded to concrete. <i>Construction and Building Materials</i> , 2015, 94, 280-289.	7.2	25
13	Mitigation of premature failure of FRP bonded to concrete using mechanical substrate strengthening and FRP spike anchors. <i>Composites Part B: Engineering</i> , 2016, 94, 209-217.	12.0	25
14	Development and validation of multi-axis substructure testing system for full-scale experiments. <i>Australian Journal of Structural Engineering</i> , 2015, 16, 302-315.	1.1	24
15	Application of Hybrid Simulation for Collapse Assessment of Post-Earthquake CFRP-Repaired RC Columns. <i>Journal of Structural Engineering</i> , 2017, 143, .	3.4	24
16	Experimental and numerical study into the punching shear strengthening of RC flat slabs using post-installed steel bolts. <i>Construction and Building Materials</i> , 2018, 188, 28-39.	7.2	24
17	Experimental investigation into the size effect of bidirectional fiber patch anchors in strengthening of concrete structures. <i>Composite Structures</i> , 2014, 112, 134-145.	5.8	23
18	Strength of Cfrp-steel double strap joints under impact loads using genetic programming. <i>Composite Structures</i> , 2017, 160, 1205-1211.	5.8	23

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19	Genetic programming in the simulation of Frp-to-concrete patch-anchored joints. Composite Structures, 2016, 138, 305-312.	5.8	18
20	Development of a new nano modified cement based adhesive for FRP strengthened RC members. Construction and Building Materials, 2021, 277, 122318.	7.2	18
21	A prediction model for bidirectional fiber patch anchors used to enhance the performance of FRP materials bonded to concrete. Composite Structures, 2014, 117, 51-58.	5.8	14
22	Punching shear strengthening of RC slabs using L-CFRP laminates. Engineering Structures, 2019, 194, 274-289.	5.3	13
23	Mitigation of IC debonding in FRP-plated concrete slabs using patch anchors. Engineering Structures, 2020, 214, 110626.	5.3	12
24	Strengthening of slab-column connections against punching shear using FRP materials: state-of-the-art review. Australian Journal of Structural Engineering, 2018, 19, 188-206.	1.1	11
25	Finite element investigation of the fatigue performance of FRP laminates bonded to concrete. Composite Structures, 2019, 208, 322-337.	5.8	11
26	Effects of surface roughness and bond enhancing techniques on flexural performance of CFRP/concrete composites. Composite Structures, 2017, 178, 476-482.	5.8	10
27	Post-Tensioned Concrete Beams Strengthened in Shear Using Fiber-Reinforced Polymer Laminates and Patch Anchors. Journal of Composites for Construction, 2020, 24, .	3.2	10
28	Prediction of Concrete Cover Separation in Reinforced Concrete Beams Strengthened with FRP. Journal of Composites for Construction, 2021, 25, .	3.2	8
29	Finite element investigation into the size effect of bidirectional fibre patch anchors used to enhance the performance of FRP-to-concrete joints. Composite Structures, 2015, 121, 27-36.	5.8	7
30	Experimental Investigation of Curved-Soffit RC Bridge Girders Strengthened in Flexure Using CFRP Composites. Journal of Bridge Engineering, 2021, 26, .	2.9	6
31	Numerical and experimental investigation into the fatigue life of FRP bonded to concrete and anchored with bidirectional fabric patches. Engineering Structures, 2021, 239, 112335.	5.3	6
32	Externally Bonded CFRP for Flexural Strengthening of RC Beams with Different Levels of Soffit Curvature. Journal of Composites for Construction, 2022, 26, .	3.2	6
33	Fiber-Reinforced Polymers and Their Use in Structural Rehabilitation. , 2018, , 15-20.		5
34	Experimental study on crack propagation of CFRP-strengthened RC beams subjected to torsion. Australian Journal of Structural Engineering, 2018, 19, 279-297.	1.1	5
35	Non-linear finite element analysis of prestressed T-beams strengthened with FRP laminates and patch anchors. Structure and Infrastructure Engineering, 2023, 19, 691-707.	3.7	2
36	Investigation into the fatigue life of FRP strengthened concrete structures. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	3.1	2

#	ARTICLE	IF	CITATIONS
37	Response of Earthquake-Damaged RC Columns Repaired with CFRP Composites Using Hybrid Simulation. , 2018, , 887-894.		0
38	State-of-the-Art System for Hybrid Simulation at Swinburne. SpringerBriefs in Applied Sciences and Technology, 2018, , 19-42.	0.4	0
39	Application of the MAST System for Collapse Experiments. SpringerBriefs in Applied Sciences and Technology, 2018, , 43-71.	0.4	0
40	Hybrid Anchors in Reinforced Concrete Slabs Strengthened with FRP Sheets. Lecture Notes in Civil Engineering, 2022, , 1364-1372.	0.4	0
41	An Experimental Study on Concavely Curved Soffit Reinforced Concrete Beams Externally Bonded with FRP. Lecture Notes in Civil Engineering, 2022, , 78-86.	0.4	0
42	Finite element modelling of RC slabs strengthened against punching shear with L-CFRP laminates. Australian Journal of Structural Engineering, 0, , 1-18.	1.1	0
43	Structural assessment of underground utility services pit using Bayesian inference. Australian Journal of Structural Engineering, 0, , 1-18.	1.1	0