

# Robin Kalfat

## List of Publications by Year in descending order

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43  
papers

965  
citations

430874

18  
h-index

434195

31  
g-index

46  
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46  
docs citations

46  
times ranked

535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-linear finite element analysis of prestressed T-beams strengthened with FRP laminates and patch anchors. <i>Structure and Infrastructure Engineering</i> , 2023, 19, 691-707.	3.7	2
2	Externally Bonded CFRP for Flexural Strengthening of RC Beams with Different Levels of Soffit Curvature. <i>Journal of Composites for Construction</i> , 2022, 26, .	3.2	6
3	Hybrid Anchors in Reinforced Concrete Slabs Strengthened with FRP Sheets. <i>Lecture Notes in Civil Engineering</i> , 2022, , 1364-1372.	0.4	0
4	An Experimental Study on Concavely Curved Soffit Reinforced Concrete Beams Externally Bonded with FRP. <i>Lecture Notes in Civil Engineering</i> , 2022, , 78-86.	0.4	0
5	Investigation into the fatigue life of FRP strengthened concrete structures. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022, 55, 1.	3.1	2
6	Development of a new nano modified cement based adhesive for FRP strengthened RC members. <i>Construction and Building Materials</i> , 2021, 277, 122318.	7.2	18
7	Experimental Investigation of Curved-Soffit RC Bridge Girders Strengthened in Flexure Using CFRP Composites. <i>Journal of Bridge Engineering</i> , 2021, 26, .	2.9	6
8	Numerical and experimental investigation into the fatigue life of FRP bonded to concrete and anchored with bidirectional fabric patches. <i>Engineering Structures</i> , 2021, 239, 112335.	5.3	6
9	Prediction of Concrete Cover Separation in Reinforced Concrete Beams Strengthened with FRP. <i>Journal of Composites for Construction</i> , 2021, 25, .	3.2	8
10	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
11	Post-Tensioned Concrete Beams Strengthened in Shear Using Fiber-Reinforced Polymer Laminates and Patch Anchors. <i>Journal of Composites for Construction</i> , 2020, 24, .	3.2	10
12	Mitigation of IC debonding in FRP-plated concrete slabs using patch anchors. <i>Engineering Structures</i> , 2020, 214, 110626.	5.3	12
13	Punching shear strengthening of RC slabs using L-CFRP laminates. <i>Engineering Structures</i> , 2019, 194, 274-289.	5.3	13
14	Linking seismic resilience into sustainability assessment of limited-ductility RC buildings. <i>Engineering Structures</i> , 2019, 188, 121-136.	5.3	51
15	Finite element investigation of the fatigue performance of FRP laminates bonded to concrete. <i>Composite Structures</i> , 2019, 208, 322-337.	5.8	11
16	Strengthening of slab-column connections against punching shear using FRP materials: state-of-the-art review. <i>Australian Journal of Structural Engineering</i> , 2018, 19, 188-206.	1.1	11
17	Torsional strengthening of RC beams using NSM CFRP rope and innovative adhesives. <i>Composite Structures</i> , 2018, 187, 190-202.	5.8	35
18	Fiber-Reinforced Polymers and Their Use in Structural Rehabilitation. , 2018, , 15-20.		5

#	ARTICLE	IF	CITATIONS
19	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
20	An efficiency framework for anchorage devices used to enhance the performance of FRP strengthened RC members. Construction and Building Materials, 2018, 191, 354-375.	7.2	33
21	Experimental and numerical study into the punching shear strengthening of RC flat slabs using post-installed steel bolts. Construction and Building Materials, 2018, 188, 28-39.	7.2	24
22	Response of Earthquake-Damaged RC Columns Repaired with CFRP Composites Using Hybrid Simulation. , 2018, , 887-894.		0
23	State-of-the-Art System for Hybrid Simulation at Swinburne. SpringerBriefs in Applied Sciences and Technology, 2018, , 19-42.	0.4	0
24	Application of the MAST System for Collapse Experiments. SpringerBriefs in Applied Sciences and Technology, 2018, , 43-71.	0.4	0
25	Torsional strengthening of reinforced concrete beams using different configurations of NSM FRP with epoxy resins and cement-based adhesives. Composite Structures, 2017, 168, 569-581.	5.8	26
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	Application of Hybrid Simulation for Collapse Assessment of Post-Earthquake CFRP-Repaired RC Columns. Journal of Structural Engineering, 2017, 143, .	3.4	24
28	Strength of Cfrp-steel double strap joints under impact loads using genetic programming. Composite Structures, 2017, 160, 1205-1211.	5.8	23
29	Mitigation of premature failure of FRP bonded to concrete using mechanical substrate strengthening and FRP spike anchors. Composites Part B: Engineering, 2016, 94, 209-217.	12.0	25
30	Improvement of FRP-to-concrete bond performance using bidirectional fiber patch anchors combined with FRP spike anchors. Composite Structures, 2016, 155, 89-98.	5.8	41
31	Experimental investigation into the use of NSM FRP to increase the torsional resistance of RC beams using epoxy resins and cement-based adhesives. Construction and Building Materials, 2016, 124, 1153-1164.	7.2	29
32	Genetic programming in the simulation of Frp-to-concrete patch-anchored joints. Composite Structures, 2016, 138, 305-312.	5.8	18
33	Development and validation of multi-axis substructure testing system for full-scale experiments. Australian Journal of Structural Engineering, 2015, 16, 302-315.	1.1	24
34	Development of a hybrid anchor to improve the bond performance of multiple plies of FRP laminates bonded to concrete. Construction and Building Materials, 2015, 94, 280-289.	7.2	25
35	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
36	Experimental investigation into the size effect of bidirectional fiber patch anchors in strengthening of concrete structures. Composite Structures, 2014, 112, 134-145.	5.8	23

#	ARTICLE	IF	CITATIONS
37	A prediction model for bidirectional fiber patch anchors used to enhance the performance of FRP materials bonded to concrete. <i>Composite Structures</i> , 2014, 117, 51-58.	5.8	14
38	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
39	Investigation into CFRP plate end anchorage utilising uni-directional fabric wrap. <i>Composite Structures</i> , 2011, 93, 821-830.	5.8	31
40	Investigation into CFRP laminate anchorage systems utilising bi-directional fabric wrap. <i>Composite Structures</i> , 2011, 93, 1265-1274.	5.8	48
41	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
42	Finite element modelling of RC slabs strengthened against punching shear with L-CFRP laminates. <i>Australian Journal of Structural Engineering</i> , 0, , 1-18.	1.1	0
43	Structural assessment of underground utility services pit using Bayesian inference. <i>Australian Journal of Structural Engineering</i> , 0, , 1-18.	1.1	0