

## List of Publications by Year in Descending Order

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59

papers

1,668

citations

24

h-index

40

g-index

60

ext. papers

2,222

ext. citations

4.6

avg, IF

5.69

L-index

#	Paper	IF	Citations
59	Prestress Force Monitoring and Quantification of Precast Segmental Beams through Neutral Axis Location Identification. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2756	2.6	0
58	Bayesian optimization for selecting efficient machine learning regressors to determine bond-slip model of FRP-to-concrete interface. <i>Structures</i> , 2022, 39, 351-364	3.4	0
57	Numerical investigation of flexural behaviours of precast segmental concrete beams internally post-tensioned with unbonded FRP tendons under monotonic loading. <i>Engineering Structures</i> , 2021, 249, 113341	4.7	5
56	Near real-time bolt-loosening detection using mask and region-based convolutional neural network. <i>Structural Control and Health Monitoring</i> , 2021, 28, e2741	4.5	7
55	Timber moisture detection using wavelet packet decomposition and convolutional neural network. <i>Smart Materials and Structures</i> , 2021, 30, 035022	3.4	7
54	Dynamic tensile behaviors of welded steel joint material. <i>Journal of Constructional Steel Research</i> , 2021, 183, 106700	3.8	1
53	Experimental and analytical study of flexural behaviour of BFRP sheets strengthened RC beams with new epoxy anchors. <i>Engineering Structures</i> , 2021, 241, 112441	4.7	0
52	Mechanical properties and engineering application of single-span steel-concrete double-sided composite beams. <i>Journal of Building Engineering</i> , 2021, 40, 102644	5.2	1
51	Numerical study on bending response of precast segmental concrete beams externally prestressed with FRP tendons. <i>Engineering Structures</i> , 2021, 241, 112423	4.7	7
50	New epoxy anchor for better bonding between FRP sheets and concrete. <i>Construction and Building Materials</i> , 2020, 248, 118628	6.7	7
49	Influence of concrete strength on dynamic interfacial fracture behaviour between fibre reinforced polymer sheets and concrete. <i>Engineering Fracture Mechanics</i> , 2020, 229, 106934	4.2	7
48	Interfacial debonding detection in externally bonded bfrp reinforced concrete using stress wave-based sensing approach. <i>Smart Materials and Structures</i> , 2020, 29, 035039	3.4	12
47	Vibration signal denoising for structural health monitoring by residual convolutional neural networks. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 157, 107651	4.6	33
46	Interfacial bond behaviour between hybrid carbon/basalt fibre composites and concrete under dynamic loading. <i>International Journal of Adhesion and Adhesives</i> , 2020, 99, 102569	3.4	11
45	Numerical study on the flexural performance of precast segmental concrete beams with unbonded internal steel tendons. <i>Construction and Building Materials</i> , 2020, 248, 118362	6.7	11
44	Predicting the response of locally resonant concrete structure under blast load. <i>Construction and Building Materials</i> , 2020, 252, 118920	6.7	12
43	Finite element modelling of dynamic bonding behaviours between fibre reinforced polymer sheet and concrete. <i>Construction and Building Materials</i> , 2020, 255, 118939	6.7	7

42	Experimental investigation on lightweight rubberized concrete beams strengthened with BFRP sheets subjected to impact loads. <i>Engineering Structures</i> , 2020, 205, 110095	4.7	17
41	Deterioration of ambient-cured and heat-cured fly ash geopolymer concrete by high temperature exposure and prediction of its residual compressive strength. <i>Construction and Building Materials</i> , 2020, 262, 120924	6.7	27
40	Dynamic interfacial bond behaviour between basalt fiber reinforced polymer sheets and concrete. <i>International Journal of Solids and Structures</i> , 2020, 202, 587-604	3.1	6
39	Behavior of Precast Segmental Concrete Beams Prestressed with External Steel and CFRP Tendons. <i>Journal of Composites for Construction</i> , 2020, 24, 04020053	3.3	9
38	Ductile and dry exterior joints using CFRP bolts for moment-resisting frames. <i>Structures</i> , 2020, 28, 668-684	6.4	12
37	High-resolution time-frequency representation for instantaneous frequency identification by adaptive Duffing oscillator. <i>Structural Control and Health Monitoring</i> , 2020, 27, e2635	4.5	2
36	Effect of hybrid fibers on shear behaviour of geopolymer concrete beams reinforced by basalt fiber reinforced polymer (BFRP) bars without stirrups. <i>Composite Structures</i> , 2020, 243, 112236	5.3	20
35	Experimental and Numerical Study of Basalt FRP Strip Strengthened RC Slabs under Impact Loads. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2040001	1.9	5
34	New interlocking inter-module connection for modular steel buildings: Experimental and numerical studies. <i>Engineering Structures</i> , 2019, 198, 109465	4.7	34
33	Effect of aggregate size on the dynamic interfacial bond behaviour between basalt fiber reinforced polymer sheets and concrete. <i>Construction and Building Materials</i> , 2019, 227, 116584	6.7	13
32	Strain rate effect on interfacial bond behaviour between BFRP sheets and steel fibre reinforced concrete. <i>Composites Part B: Engineering</i> , 2019, 174, 107032	10	19
31	Dynamic response of precast concrete beam with wet connection subjected to impact loads. <i>Engineering Structures</i> , 2019, 191, 247-263	4.7	33
30	Experimental and numerical study of the slip factor for G350-steel bolted connections. <i>Journal of Constructional Steel Research</i> , 2019, 158, 576-590	3.8	14
29	Bond behaviour between hybrid fiber reinforced polymer sheets and concrete. <i>Construction and Building Materials</i> , 2019, 210, 93-110	6.7	27
28	Shear behaviour of post-tensioned inter-module connection for modular steel buildings. <i>Journal of Constructional Steel Research</i> , 2019, 162, 105707	3.8	33
27	Experimental and analytical investigation on flexural behaviour of ambient cured geopolymer concrete beams reinforced with steel fibers. <i>Engineering Structures</i> , 2019, 200, 109707	4.7	30
26	Performance of precast segmental concrete beams posttensioned with carbon fiber-reinforced polymer (CFRP) tendons. <i>Composite Structures</i> , 2019, 208, 56-69	5.3	18
25	Effect of aggregate size on bond behaviour between basalt fibre reinforced polymer sheets and concrete. <i>Composites Part B: Engineering</i> , 2019, 158, 459-474	10	36

24	Failure Behaviors of Oriented Strand Board Material under Quasi-Static and Dynamic Loads. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, 04017297	3	6
23	Flexural behaviour of precast segmental concrete beams internally prestressed with unbonded CFRP tendons under four-point loading. <i>Engineering Structures</i> , 2018, 168, 371-383	4.7	20
22	Experimental study of flexural behaviour of RC beams strengthened by longitudinal and U-shaped basalt FRP sheet. <i>Composites Part B: Engineering</i> , 2018, 134, 114-126	10	68
21	Bond behavior between basalt fibres reinforced polymer sheets and steel fibres reinforced concrete. <i>Engineering Structures</i> , 2018, 176, 812-824	4.7	29
20	Quasi-static and dynamic tensile properties of basalt fibre reinforced polymer. <i>Composites Part B: Engineering</i> , 2017, 125, 123-133	10	55
19	Discussion on the suitability of concrete constitutive models for high-rate response predictions of RC structures. <i>International Journal of Impact Engineering</i> , 2017, 106, 202-216	4	60
18	Behavior of fiber-reinforced polymer-strengthened reinforced concrete beams under static and impact loads. <i>International Journal of Protective Structures</i> , 2017, 8, 3-24	1.5	55
17	Axial Impact Resistance of FRP-Confined Concrete. <i>Journal of Composites for Construction</i> , 2017, 21, 04016088	3.3	24
16	Reliability Analysis of RC Columns and Frame with FRP Strengthening Subjected to Explosive Loads. <i>Journal of Performance of Constructed Facilities</i> , 2016, 30, 04015017	2	26
15	Impact Behavior of FRP-Strengthened RC Beams without Stirrups. <i>Journal of Composites for Construction</i> , 2016, 20, 04016011	3.3	92
14	Review of Concrete Structures Strengthened with FRP Against Impact Loading. <i>Structures</i> , 2016, 7, 59-70	3.4	83
13	Numerical analysis of prestressed reinforced concrete beam subjected to blast loading. <i>Materials &amp; Design</i> , 2015, 65, 662-674		95
12	Static and dynamic mechanical properties of expanded polystyrene. <i>Materials &amp; Design</i> , 2015, 69, 170-180		122
11	Influence of the concrete DIF model on the numerical predictions of RC wall responses to blast loadings. <i>Engineering Structures</i> , 2014, 73, 24-38	4.7	121
10	Numerical Evaluation of the Influence of Aggregates on Concrete Compressive Strength at High Strain Rate. <i>International Journal of Protective Structures</i> , 2011, 2, 177-206	1.5	81
9	Development of P-I diagrams for FRP strengthened RC columns. <i>International Journal of Impact Engineering</i> , 2011, 38, 290-304	4	88
8	Numerical simulation of a cable-stayed bridge response to blast loads, Part II: Damage prediction and FRP strengthening. <i>Engineering Structures</i> , 2010, 32, 3193-3205	4.7	71
7	Guided wave propagation and spectral element method for debonding damage assessment in RC structures. <i>Journal of Sound and Vibration</i> , 2009, 324, 751-772	3.9	79

6	A two-step computer vision-based framework for bolt loosening detection and its implementation on a smartphone application. Structural Health Monitoring,147592172110499	4.4	1
5	Automated structural bolt looseness detection using deep learning-based prediction model. Structural Control and Health Monitoring,e2899	4.5	2
4	Percussion-based bolt looseness identification using vibration-guided sound reconstruction. Structural Control and Health Monitoring,e2876	4.5	2
3	A novel intelligent inspection robot with deep stereo vision for three-dimensional concrete damage detection and quantification. Structural Health Monitoring,147592172110102	4.4	3
2	An innovative deep neural network-based approach for internal cavity detection of timber columns using percussion sound. Structural Health Monitoring,147592172110285	4.4	2
1	A CNN-integrated percussion method for detection of FRP-concrete interfacial damage with FEM reconstruction. Structural Health Monitoring,147592172210820	4.4	0