

List of Publications by Citations

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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	Static and dynamic mechanical properties of expanded polystyrene. <i>Materials & Design</i> , 2015, 69, 170-180		122
58	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
57	Numerical analysis of prestressed reinforced concrete beam subjected to blast loading. <i>Materials & Design</i> , 2015, 65, 662-674		95
56	Impact Behavior of FRP-Strengthened RC Beams without Stirrups. <i>Journal of Composites for Construction</i> , 2016, 20, 04016011	3.3	92
55	Development of P-I diagrams for FRP strengthened RC columns. <i>International Journal of Impact Engineering</i> , 2011, 38, 290-304	4	88
54	Review of Concrete Structures Strengthened with FRP Against Impact Loading. <i>Structures</i> , 2016, 7, 59-70	3.4	83
53	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
52	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
51	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
50	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
49	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
48	Quasi-static and dynamic tensile properties of basalt fibre reinforced polymer. <i>Composites Part B: Engineering</i> , 2017, 125, 123-133	10	55
47	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
46	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
45	New interlocking inter-module connection for modular steel buildings: Experimental and numerical studies. <i>Engineering Structures</i> , 2019, 198, 109465	4.7	34
44	Dynamic response of precast concrete beam with wet connection subjected to impact loads. <i>Engineering Structures</i> , 2019, 191, 247-263	4.7	33
43	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

42	Shear behaviour of post-tensioned inter-module connection for modular steel buildings. Journal of Constructional Steel Research, 2019, 162, 105707	3.8	33
41	Experimental and analytical investigation on flexural behaviour of ambient cured geopolymer concrete beams reinforced with steel fibers. Engineering Structures, 2019, 200, 109707	4.7	30
40	Bond behavior between basalt fibres reinforced polymer sheets and steel fibres reinforced concrete. Engineering Structures, 2018, 176, 812-824	4.7	29
39	Bond behaviour between hybrid fiber reinforced polymer sheets and concrete. Construction and Building Materials, 2019, 210, 93-110	6.7	27
38	Deterioration of ambient-cured and heat-cured fly ash geopolymer concrete by high temperature exposure and prediction of its residual compressive strength. Construction and Building Materials, 2020, 262, 120924	6.7	27
37	Reliability Analysis of RC Columns and Frame with FRP Strengthening Subjected to Explosive Loads. Journal of Performance of Constructed Facilities, 2016, 30, 04015017	2	26
36	Axial Impact Resistance of FRP-Confined Concrete. Journal of Composites for Construction, 2017, 21, 04016088	3.6	24
35	Flexural behaviour of precast segmental concrete beams internally prestressed with unbonded CFRP tendons under four-point loading. Engineering Structures, 2018, 168, 371-383	4.7	20
34	Effect of hybrid fibers on shear behaviour of geopolymer concrete beams reinforced by basalt fiber reinforced polymer (BFRP) bars without stirrups. Composite Structures, 2020, 243, 112236	5.3	20
33	Strain rate effect on interfacial bond behaviour between BFRP sheets and steel fibre reinforced concrete. Composites Part B: Engineering, 2019, 174, 107032	10	19
32	Performance of precast segmental concrete beams posttensioned with carbon fiber-reinforced polymer (CFRP) tendons. Composite Structures, 2019, 208, 56-69	5.3	18
31	Experimental investigation on lightweight rubberized concrete beams strengthened with BFRP sheets subjected to impact loads. Engineering Structures, 2020, 205, 110095	4.7	17
30	Experimental and numerical study of the slip factor for G350-steel bolted connections. Journal of Constructional Steel Research, 2019, 158, 576-590	3.8	14
29	Effect of aggregate size on the dynamic interfacial bond behaviour between basalt fiber reinforced polymer sheets and concrete. Construction and Building Materials, 2019, 227, 116584	6.7	13
28	Interfacial debonding detection in externally bonded bfrp reinforced concrete using stress wave-based sensing approach. Smart Materials and Structures, 2020, 29, 035039	3.4	12
27	Predicting the response of locally resonant concrete structure under blast load. Construction and Building Materials, 2020, 252, 118920	6.7	12
26	Ductile and dry exterior joints using CFRP bolts for moment-resisting frames. Structures, 2020, 28, 668-684	6.4	12
25	Interfacial bond behaviour between hybrid carbon/basalt fibre composites and concrete under dynamic loading. International Journal of Adhesion and Adhesives, 2020, 99, 102569	3.4	11

24	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
23	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
22	New epoxy anchor for better bonding between FRP sheets and concrete. <i>Construction and Building Materials</i> , 2020, 248, 118628	6.7	7
21	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
20	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
19	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
18	Timber moisture detection using wavelet packet decomposition and convolutional neural network. <i>Smart Materials and Structures</i> , 2021, 30, 035022	3.4	7
17	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
16	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
15	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
14	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
13	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
12	A novel intelligent inspection robot with deep stereo vision for three-dimensional concrete damage detection and quantification. <i>Structural Health Monitoring</i> , 147592172110102	4.4	3
11	Automated structural bolt looseness detection using deep learning-based prediction model. <i>Structural Control and Health Monitoring</i> , e2899	4.5	2
10	Percussion-based bolt looseness identification using vibration-guided sound reconstruction. <i>Structural Control and Health Monitoring</i> , e2876	4.5	2
9	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
8	An innovative deep neural network-based approach for internal cavity detection of timber columns using percussion sound. <i>Structural Health Monitoring</i> , 147592172110285	4.4	2
7	A two-step computer vision-based framework for bolt loosening detection and its implementation on a smartphone application. <i>Structural Health Monitoring</i> , 147592172110499	4.4	1

6	Dynamic tensile behaviors of welded steel joint material. Journal of Constructional Steel Research, 2021, 183, 106700	3.8	1
5	Mechanical properties and engineering application of single-span steel-concrete double-sided composite beams. Journal of Building Engineering, 2021, 40, 102644	5.2	1
4	Experimental and analytical study of flexural behaviour of BFRP sheets strengthened RC beams with new epoxy anchors. Engineering Structures, 2021, 241, 112441	4.7	0
3	Prestress Force Monitoring and Quantification of Precast Segmental Beams through Neutral Axis Location Identification. Applied Sciences (Switzerland), 2022, 12, 2756	2.6	0
2	Bayesian optimization for selecting efficient machine learning regressors to determine bond-slip model of FRP-to-concrete interface. Structures, 2022, 39, 351-364	3.4	0
1	A CNN-integrated percussion method for detection of FRP-concrete interfacial damage with FEM reconstruction. Structural Health Monitoring, 147592172210820	4.4	0