Chiara Bedon

List of Publications by Citations

167 papers	2,010 citations	25 h-index	35 g-index
185 ext. papers	2,444 ext. citations	2.8 avg, IF	6.16 L-index

#	Paper	IF	Citations
167	Performance of structural glass facades under extreme loads – Design methods, existing research, current issues and trends. *Construction and Building Materials*, **2018**, 163, 921-937	6.7	88
166	Experimental and numerical study on the shear behavior of stone masonry walls strengthened with GFRP reinforced mortar coating and steel-cord reinforced repointing. *Engineering Structures*, **2015**, 90, 143-157	4.7	62
165	Refined numerical modelling for the structural assessment of steel-concrete composite beam-to-column joints under seismic loads. *Engineering Structures*, **2017**, 138, 394-409	4.7	59
164	Experimental and analytical assessment of lateral torsional buckling of laminated glass beams. *Engineering Structures*, **2013**, 51, 295-305	4.7	59
163	Prototyping and Validation of MEMS Accelerometers for Structural Health Monitoring: The Case Study of the Pietratagliata Cable-Stayed Bridge. *Journal of Sensor and Actuator Networks*, **2018**, 7, 30	3.8	52
162	Buckling of Laminated Glass Elements in Compression. *Journal of Structural Engineering*, **2011**, 137, 803-810	3	45
161	Dynamic and static identification of base-isolated bridges using Genetic Algorithms. *Engineering Structures*, **2015**, 102, 80-92	4.7	44
160	Viscoelastic spider connectors for the mitigation of cable-supported façades subjected to air blast loading. *Engineering Structures*, **2012**, 42, 190-200	4.7	43
159	Numerical assessment of vibration control systems for multi-hazard design and mitigation of glass curtain walls. *Journal of Building Engineering*, **2018**, 15, 1-13	5.2	43
158	Dynamic testing and parameter identification of a base-isolated bridge. *Engineering Structures*, **2014**, 60, 85-99	4.7	42
157	Exploratory numerical analysis of SG-laminated reinforced glass beam experiments. *Engineering Structures*, **2014**, 75, 457-468	4.7	39
156	Design of Blast-Loaded Glazing Windows and Facades: A Review of Essential Requirements towards Standardization. *Advances in Civil Engineering*, **2016**, 2016, 1-14	1.3	39
155	Numerical analysis of timber-to-timber joints and composite beams with inclined self-tapping screws. *Composite Structures*, **2019**, 207, 13-28	5.3	39
154	Buckling of laminated glass elements in out-of-plane bending. *Engineering Structures*, **2010**, 32, 3780-3788	4.7	38
153	Diagnostic analysis and dynamic identification of a glass suspension footbridge via on-site vibration experiments and FE numerical modelling. *Composite Structures*, **2019**, 216, 366-378	5.3	37
152	Vibration Analysis and Dynamic Characterization of Structural Glass Elements with Different Restraints Based on Operational Modal Analysis. *Buildings*, **2019**, 9, 13	3.2	37
151	Assessment of existing analytical models for the lateral torsional buckling analysis of PVB and SG laminated glass beams via viscoelastic simulations and experiments. *Engineering Structures*, **2014**, 60, 52-67	4.7	36

150	A buckling verification approach for monolithic and laminated glass elements under combined in-plane compression and bending. *Engineering Structures*, **2013**, 52, 220-229	4.7	35
149	Elastoplastic dissipative devices for the mitigation of blast resisting cable-supported glazing façades. *Engineering Structures*, **2012**, 39, 103-115	4.7	34
148	Flexural–torsional buckling: Experimental analysis of laminated glass elements. *Engineering Structures*, **2014**, 73, 85-99	4.7	33
147	Design buckling curves for glass columns and beams. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2015**, 168, 514-526	0.9	31
146	Structural assessment and lateral–torsional buckling design of glass beams restrained by continuous sealant joints. *Engineering Structures*, **2015**, 102, 214-229	4.7	29
145	Exploratory numerical analysis of two-way straight cable-net façades subjected to air blast loads. *Engineering Structures*, **2014**, 79, 276-289	4.7	29
144	Issues on the Vibration Analysis of In-Service Laminated Glass Structures: Analytical, Experimental and Numerical Investigations on Delaminated Beams. *Applied Sciences (Switzerland)*, **2019**, 9, 3928	2.6	26
143	Numerical and analytical investigation on the dynamic buckling behavior of glass columns under blast. *Engineering Structures*, **2014**, 79, 322-340	4.7	26
142	Enhancement of the seismic performance of multi-storey buildings by means of dissipative glazing curtain walls. *Engineering Structures*, **2017**, 152, 320-334	4.7	25
141	Low velocity impact performance investigation on square hollow glass columns via full-scale experiments and Finite Element analyses. *Composite Structures*, **2017**, 182, 311-325	5.3	24
140	Dynamic analysis of a blast loaded steel structure. *Procedia Engineering*, **2017**, 199, 2463-2469		24
139	Structural glass beams with embedded GFRP, CFRP or steel reinforcement rods: Comparative experimental, analytical and numerical investigations. *Journal of Building Engineering*, **2019**, 22, 227-241	5.2	24
138	Ambient vibration testing and structural identification of a cable-stayed bridge. *Meccanica*, **2016**, 51, 2777-2796	2.1	23
137	Numerical assessment of slab-interaction effects on the behaviour of steel-concrete composite joints. *Journal of Constructional Steel Research*, **2017**, 139, 397-410	3.8	22
136	Reliability of Field Experiments, Analytical Methods and Pedestrians' Perception Scales for the Vibration Serviceability Assessment of an In-Service Glass Walkway. *Applied Sciences (Switzerland)*, **2019**, 9, 1936	2.6	22
135	Buckling of flat laminated glass panels under in-plane compression or shear. *Engineering Structures*, **2012**, 36, 185-197	4.7	21
134	Transparency in Structural Glass Systems Via Mechanical, Adhesive, and Laminated Connections - Existing Research and Developments. *Advanced Engineering Materials*, **2018**, 20, 1700815	3.5	20
133	Experimental and numerical analysis of thick embedded laminated glass connections. *Composite Structures*, **2018**, 188, 242-256	5.3	20

132	Numerical analysis of glass-FRP post-tensioned beams Review and assessment. *Composite Structures*, **2017**, 177, 129-140	5.3	20
131	Experimental Study and Numerical Investigation of Blockhaus Shear Walls Subjected to In-Plane Seismic Loads. *Journal of Structural Engineering*, **2015**, 141, 04014118	3	18
130	Multi-Objective Optimization of FRP Jackets for Improving the Seismic Response of Reinforced Concrete Frames. *American Journal of Engineering and Applied Sciences*, **2016**, 9, 669-679	0.4	17
129	Laminated glass beams with thick embedded connections Numerical analysis of full-scale specimens during cracking regime. *Composite Structures*, **2018**, 195, 308-324	5.3	17
128	Non-linear modelling of the in-plane seismic behaviour of timber Blockhaus log-walls. *Engineering Structures*, **2015**, 91, 112-124	4.7	16
127	Finite Element analysis of post-tensioned SG-laminated glass beams with adhesively bonded steel tendons. *Composite Structures*, **2017**, 167, 238-250	5.3	15
126	Structural characterisation of adaptive facades in Europe Part I: Insight on classification rules, performance metrics and design methods. *Journal of Building Engineering*, **2019**, 25, 100721	5.2	15
125	Assessment of the structural stability of Blockhaus timber log-walls under in-plane compression via full-scale buckling experiments. *Construction and Building Materials*, **2015**, 78, 474-490	6.7	15
124	Buckling analysis and design proposal for 2-side supported double Insulated Glass Units (IGUs) in compression. *Engineering Structures*, **2018**, 168, 23-34	4.7	15
123	Numerical investigation on structural glass beams with GFRP-embedded rods, including effects of pre-stress. *Composite Structures*, **2018**, 184, 650-661	5.3	15
122	Finite-element analysis of post-tensioned SG-laminated glass beams with mechanically anchored tendons. *Glass Structures and Engineering*, **2016**, 1, 39-59	1.4	15
121	Vulnerability and Protection of Glass Windows and Facades under Blast: Experiments, Methods and Current Trends. *International Journal of Structural Glass and Advanced Materials Research*, **2017**, 1, 10-23	0.9	14
120	Effect of circumferential sealant joints and metal supporting frames on the buckling behavior of glass panels subjected to in-plane shear loads. *Glass Structures and Engineering*, **2016**, 1, 353-373	1.4	14
119	Buckling analysis of simply supported flat glass panels subjected to combined in-plane uniaxial compressive and edgewise shear loads. *Engineering Structures*, **2014**, 59, 127-140	4.7	14
118	Design and Analysis of Blast Loaded Windows. *Procedia Engineering*, **2017**, 192, 177-182		14
117	Blast Analysis of Laminated Glass Curtain Walls Equipped by Viscoelastic Dissipative Devices. *Buildings*, **2012**, 2, 359-383	3.2	14
116	Facial Expression-Based Experimental Analysis of Human Reactions and Psychological Comfort on Glass Structures in Buildings. *Buildings*, **2021**, 11, 204	3.2	14
115	Numerical and analytical assessment of the buckling behaviour of Blockhaus log-walls under in-plane compression. *Engineering Structures*, **2015**, 82, 134-150	4.7	13

114	Methods for the Assessment of Critical Properties in Existing Masonry Structures under Seismic Loads The ARES Project. *Applied Sciences (Switzerland)*, **2020**, 10, 1576	2.6	13
113	Experimental investigation on vibration sensitivity of an indoor glass footbridge to walking conditions. *Journal of Building Engineering*, **2020**, 29, 101195	5.2	13
112	Robustness and Resilience of Structures under Extreme Loads. *Advances in Civil Engineering*, **2019**, 2019, 1-14	1.3	12
111	Damage evaluation of H-section steel columns under impulsive blast loads via gene expression programming. *Engineering Structures*, **2020**, 219, 110909	4.7	12
110	Experimental investigation for the structural performance assessment of square hollow glass columns. *Engineering Structures*, **2016**, 113, 1-15	4.7	12
109	Three-Dimensional Modelling of Notched Connections for Timber Concrete Composite Beams. *Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)*, **2017**, 27, 184-196	1	12
108	Passive Control Systems for the Blast Enhancement of Glazing Curtain Walls Under Explosive Loads. *Open Civil Engineering Journal*, **2017**, 11, 396-419	0.8	12
107	Numerical Analysis and 1D/2D Sensitivity Study for Monolithic and Laminated Structural Glass Elements under Thermal Exposure. *Materials*, **2018**, 11,	3.5	12
106	Derivation of buckling design curves via FE modelling for in-plane compressed timber log-walls in accordance with the Eurocode 5. *European Journal of Wood and Wood Products*, **2017**, 75, 449-465	2.1	11
105	Numerical damage evaluation assessment of blast loaded steel columns with similar section properties. *Structures*, **2019**, 20, 189-203	3.4	11
104	Analytical and numerical assessment of the strengthening effect of structural sealant joints for the prediction of the LTB critical moment in laterally restrained glass beams. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 2471-2492	3.4	11
103	Assessment of Mechanical Properties and Structural Morphology of Alkali-Activated Mortars with Industrial Waste Materials. *Sustainability*, **2021**, 13, 2062	3.6	11
102	A Unified Approach for the Shear Buckling Design of Structural Glass Walls with Non-Ideal Restraints. *American Journal of Engineering and Applied Sciences*, **2016**, 9, 64-78	0.4	10
101	Smart glazed cable facade subjected to a blast loading. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2016**, 169, 223-232	0.9	10
100	Post-Breakage Vibration Frequency Analysis of In-Service Pedestrian Laminated Glass Modular Units. *Vibration*, **2021**, 4, 836-852	2	10
99	A review on failure theories and simulation models for adhesive joints1-61		10
98	Structural Glass Systems under Fire: Overview of Design Issues, Experimental Research, and Developments. *Advances in Civil Engineering*, **2017**, 2017, 1-18	1.3	9
97	Numerical Analysis of the Blast Wave Propagation due to Various Explosive Charges. *Advances in Civil Engineering*, **2020**, 2020, 1-11	1.3	9

96	Safety Issues in the Seismic Design of Secondary Frameless Glass Structures. *Safety*, **2019**, 5, 80	1.7	9
95	Literature Review on Timber□Concrete Composite Structures in Fire. *Journal of Structural Engineering*, **2019**, 145, 04019142	3	8
94	Structural characterisation of adaptive facades in Europe - Part II: Validity of conventional experimental testing methods and key issues. *Journal of Building Engineering*, **2019**, 25, 100797	5.2	8
93	Energy-based considerations for the seismic design of ductile and dissipative glass frames. *Soil Dynamics and Earthquake Engineering*, **2019**, 125, 105710	3.5	7
92	Experimental and numerical structural assessment of transparent and tinted glass during fire exposure. *Construction and Building Materials*, **2020**, 250, 118918	6.7	7
91	Elastic Critical Moment for the Lateral-Torsional Buckling (LTB) Analysis of Structural Glass Beams with Discrete Mechanical Lateral Restraints. *Materials*, **2020**, 13,	3.5	7
90	Shear glass panels with point-fixed mechanical connections: Finite-Element numerical investigation and buckling design recommendations. *Engineering Structures*, **2016**, 112, 233-244	4.7	7
89	Exploratory Finite-Element investigation and assessment of standardized design buckling criteria for two-side linear adhesively supported glass panels under in-plane shear loads. *Engineering Structures*, **2016**, 106, 273-287	4.7	7
88	BAT Algorithm-Based ANN to Predict the Compressive Strength of Concrete□A Comparative Study. *Infrastructures*, **2021**, 6, 80	2.6	7
87	q-factor estimation for 3D log-house timber buildings via Finite Element analyses. *Soil Dynamics and Earthquake Engineering*, **2019**, 116, 215-229	3.5	7
86	Experimental and numerical analysis of in-plane compressed unprotected log-haus timber walls in fire conditions. *Fire Safety Journal*, **2019**, 107, 89-103	3.3	7
85	Shear Performance Assessment of Timber Log-House Walls under In-Plane Lateral Loads via Numerical and Analytical Modelling. *Buildings*, **2018**, 8, 99	3.2	7
84	Assessing the structural behaviour of square hollow glass columns subjected to combined compressive and impact loads via full-scale experiments. *Engineering Structures*, **2017**, 143, 127-140	4.7	6
83	Assessment of analytical formulations for the ULS resistance verification of structural glass elements accounting for the effects of different load durations. *Structures*, **2017**, 11, 218-228	3.4	6
82	FE assessment of dissipative devices for the blast mitigation of glazing fa□des supported by prestressed cables. *Structural Engineering and Mechanics*, **2014**, 51, 141-162		6
81	Review on the use of FRP Composites for Facades and Building Skins. *American Journal of Engineering and Applied Sciences*, **2016**, 9, 713-723	0.4	6
80	Mechanical characterization of novel Homogeneous Beech and hybrid Beech-Corsican Pine thin Cross-Laminated timber panels. *Construction and Building Materials*, **2021**, 271, 121589	6.7	6
79	Editorial for the "FRP Structures" Special Issue. *American Journal of Engineering and Applied Sciences*, **2016**, 9, 439-441	0.4	5

78	Glass facades under seismic events and explosions: a novel distributed-TMD design concept for building protection. *Glass Structures and Engineering*, **2018**, 3, 257-274	1.4	5
77	Numerical Investigation of Timber Log-Haus Walls with Steel Dovetail Reinforcements under In-Plane Seismic Loads. *Advances in Civil Engineering*, **2018**, 2018, 1-12	1.3	5
76	Numerical buckling analysis of geometrically imperfect glass panels under biaxial in-plane compressive/tensile loads. *Engineering Structures*, **2014**, 60, 165-176	4.7	5
75	Finite-Element Numerical Simulation of the Bending Performance of Post-Tensioned Structural Glass Beams with Adhesively Bonded CFRP Tendons. *American Journal of Engineering and Applied Sciences*, **2016**, 9, 680-691	0.4	5
74	Fire Resistance of In-Plane Compressed Log-House Timber Walls with Partial Thermal Insulation. *Buildings*, **2018**, 8, 131	3.2	5
73	Study on the Compressive Behaviour of Sustainable Cement-Based Composites under One-Hour of Direct Flame Exposure. *Sustainability*, **2020**, 12, 10548	3.6	4
72	Efficiency of Coupled Experimental□Numerical Predictive Analyses for Inter-Story Floors Under Non-Isolated Machine-Induced Vibrations. *Actuators*, **2020**, 9, 87	2.4	4
71	Mechanical analysis and characterization of IGUs with different silicone sealed spacer connections - Part 2: modelling. *Glass Structures and Engineering*, **2020**, 5, 327-346	1.4	4
70	A linear formulation for the ULS design of glass elements under combined loads: application to IGUs. *Glass Structures and Engineering*, **2018**, 3, 289-301	1.4	4
69	Multiple Dissipative Devices for Blast-Resisting Cable-Supported Glazing Fa□ades. *Modelling and Simulation in Engineering*, **2013**, 2013, 1-13	1.3	4
68	Uncoupled Wi-Fi Body CoM Acceleration for the Analysis of Lightweight Glass Slabs under Random Walks. *Journal of Sensor and Actuator Networks*, **2022**, 11, 10	3.8	4
67	An Efficient Reliability-Based Approach for Evaluating Safe Scaled Distance of Steel Columns under Dynamic Blast Loads. *Buildings*, **2021**, 11, 606	3.2	4
66	Uncertainty Assessment for the Buckling Analysis of Glass Columns with Random Parameters. *International Journal of Structural Glass and Advanced Materials Research*, **2020**, 4, 254-275	0.9	4
65	Application of Component-Based Mechanical Models and Artificial Intelligence to Bolted Beam-to-Column Connections. *Applied Sciences (Switzerland)*, **2021**, 11, 2297	2.6	4
64	Structural response of fire-exposed laminated glass beams under sustained loads; exploratory experiments and FE-Simulations. *Fire Safety Journal*, **2021**, 123, 103353	3.3	4
63	Dynamic Characterisation and Finite Element Updating of a RC Stadium Grandstand. *Buildings*, **2018**, 8, 141	3.2	4
62	Key Structural Aspects for Adaptive Facades - Activity Progress from the EU-COST Action TU1403 □Structural□Task Group. *International Journal of Structural Glass and Advanced Materials Research*, **2018**, 2, 135-154	0.9	4
61	Flexural and Torsional Buckling Behavior of Eccentrically Compressed Laminated Glass Elements with a Viscoelastic PVB Interlayer. *Journal of Structural Engineering*, **2015**, 141, 04014156	3	3

60	Mechanical analysis and characterization of IGUs with different silicone sealed spacer connections - Part 1: experiments. *Glass Structures and Engineering*, **2020**, 5, 301-325	1.4	3
59	Textiles and Fabrics for Enhanced Structural Glass Facades: Potentials and Challenges. *Buildings*, **2019**, 9, 156	3.2	3
58	Metaheuristic Prediction of the Compressive Strength of Environmentally Friendly Concrete Modified with Eggshell Powder Using the Hybrid ANN-SFL Optimization Algorithm. *Materials*, **2021**, 14,	3.5	3
57	Calibrated Numerical Approach for the Dynamic Analysis of Glass Curtain Walls under Spheroconical Bag Impact. *Buildings*, **2021**, 11, 154	3.2	3
56	Fire Resistance of Thermally Insulated Log-House Timber Walls. *Fire Technology*, **2019**, 55, 307-341	3	3
55	Thermal and Energy-Efficiency Assessment of Hybrid CLT□lass Fa□de Elements. *Applied Sciences (Switzerland)*, **2020**, 10, 3071	2.6	2
54	Recommendations for a New Generation of Standards for Testing Numerical Assessment of Blast-Loaded Glass Windows. *Key Engineering Materials*, **2017**, 755, 121-130	0.4	2
53	Remote Facial Expression and Heart Rate Measurements to Assess Human Reactions in Glass Structures. *Advances in Civil Engineering*, **2021**, 2021, 1-16	1.3	2
52	Numerical Modelling of Structural Glass Elements under Thermal Exposure		2
51	Mechanical Characterization of Timber-to-Timber Composite (TTC) Joints with Self-Tapping Screws in a Standard Push-Out Setup. *Applied Sciences (Switzerland)*, **2020**, 10, 6534	2.6	2
50	Lateral-torsional buckling (LTB) method for the design of glass fins with continuous lateral restraints at the tensioned edge. *Composite Structures*, **2021**, 266, 113790	5.3	2
49	Correlation approach for the Push-Out and full-size bending short-term performances of timber-to-timber slabs with Self-Tapping Screws. *Engineering Structures*, **2021**, 238, 112232	4.7	2
48	Advancements in Design, Analysis, and Retrofitting of Structures Exposed to Blast. *Advances in Civil Engineering*, **2016**, 2016, 1-2	1.3	2
47	Sensitivity to Input Parameters of Failure Detection Methods for Out-of-Plane Loaded Glass Panels in Fire. *Fire*, **2021**, 4, 5	2.4	2
46	Preliminary Experimental and Finite-Element Numerical Assessment of the Structural Performance of SMA-Reinforced GFRP Systems. *American Journal of Engineering and Applied Sciences*, **2016**, 9, 692-701	0.4	1
45	Enhanced Single-Degree-of-Freedom Analysis of Thin Elastic Plates Subjected to Blast Loading Using an Energy-Based Approach. *Advances in Civil Engineering*, **2020**, 2020, 1-29	1.3	1
44	Application of Modal-Displacement Based Design Method to Multi-Story Timber Blockhaus Structures. *Applied Sciences (Switzerland)*, **2020**, 10, 3889	2.6	1
43	Adaptive glass panels using shape-memory alloys. *Glass Structures and Engineering*, **2016**, 1, 95-114	1.4	1

42	Advancements in Design and Analysis of Protective Structures. *Advances in Civil Engineering*, **2018**, 2018, 1-3	1.3	1
41	Advancements in Design and Analysis of Protective Structures 2019. *Advances in Civil Engineering*, **2019**, 2019, 1-2	1.3	1
40	Glass Columns under Impact - Experimental and Numerical Analyses. *Key Engineering Materials*, **2017**, 755, 82-89	0.4	1
39	Comparative Assessment of Analytical models for the ULS Resistance Verification of Structural Glass Elements under Variable Loads. *American Journal of Engineering and Applied Sciences*, **2017**, 10, 229-242	0.4	1
38	Dynamic Response of Cable-Supported Fa□ades Subjected to High-Level Air Blast Loads: Numerical Simulations and Mitigation Techniques. *Modelling and Simulation in Engineering*, **2012**, 2012, 1-13	1.3	1
37	Predictivity of CNC Machine-Induced Vibrations on Inter-Story Floors Based on Coupled Experimental-Numerical Investigations. *Proceedings (mdpi)*, **2020**, 64, 15	0.3	1
36	Multistep Experimental Calibration of Mechanical Parameters for Modelling Multilayer Antishatter Safety Films in Structural Glass Protection. *Mathematical Problems in Engineering*, **2021**, 2021, 1-14	1.1	1
35	The Italian instructions for the design, execution and control of timber constructions (CNR-DT 206 R1/2018). *Engineering Structures*, **2022**, 253, 113753	4.7	1
34	Vibration experiments for diagnostic investigations on a glass suspension footbridge. *Vibroengineering PROCEDIA*, **2019**, 24, 41-46	0.4	1
33	Different Approaches of Numerical Simulation of Blast for Civil Engineering Applications. *NATO Science for Peace and Security Series C: Environmental Security*, **2020**, 169-181	0.3	1
32	Performance of TGU Windows under Explosive Loading. *NATO Science for Peace and Security Series C: Environmental Security*, **2020**, 49-59	0.3	1
31	Explorative study on adaptive facades with superelastic antagonistic actuation. *Structural Control and Health Monitoring*, **2020**, 27, e2463	4.5	1
30	Exploratory study on simple hybrid or pre-stressed steel-glass I-beams under short-term bending □ Part 1: Experiments. *Composite Structures*, **2020**, 234, 111651	5.3	1
29	A novel concept for a reinforced glass beam carrying long term loads. *Glass Structures and Engineering*, **2020**, 5, 233-245	1.4	1
28	Short-Term Analysis of Adhesive Types and Bonding Mistakes on Bonded-in-Rod (BiR) Connections for Timber Structures. *Applied Sciences (Switzerland)*, **2021**, 11, 2665	2.6	1
27	An Abridged Review of Buckling Analysis of Compression Members in Construction. *Buildings*, **2021**, 11, 211	3.2	1
26	Corrigendum to □Mechanical characterization of novel Homogeneous Beech and hybrid Beech-Corsican Pine thin Cross-Laminated timber panels□[Constr. Build. Mater. 271 (2021) 121589]. *Construction and Building Materials*, **2021**, 288, 123495	6.7	1
25	FE Exploratory Investigation on the Performance of SMA-Reinforced Laminated Glass Panels. *Advanced Engineering Materials*, **2016**, 18, 1478-1493	3.5	1

24	Analytical Fragility Curves for Seismic Design of Glass Systems Based on Cloud Analysis. *Symmetry*, **2021**, 13, 1541	2.7	1
23	Effect of non-uniform temperature exposure on the out-of-plane bending performance of ordinary laminated glass panels. *Composite Structures*, **2021**, 275, 114517	5.3	1
22	Body CoM Acceleration for Rapid Analysis of Gait Variability and Pedestrian Effects on Structures. *Buildings*, **2022**, 12, 251	3.2	1
21	Time-domain numerical analysis of single pedestrian random walks on laminated glass slabs in pre- or post-breakage regime. *Engineering Structures*, **2022**, 260, 114250	4.7	1
20	Mechanical characterization of homogeneous and hybrid beech-Corsican pine glue-laminated timber beams. *Engineering Structures*, **2022**, 264, 114450	4.7	1
19	Experimental and Numerical Peeling Investigation on Aged Multi-Layer Anti-Shatter Safety Films (ASFs) for Structural Glass Retrofit. *Symmetry*, **2022**, 14, 162	2.7	0
18	Seismic Behaviour of Bolted and Bonded Point Fixed Laminated Glass Panels. *MATEC Web of Conferences*, **2021**, 352, 00013	0.3	0
17	Dynamic Response Analysis of Structures Using Legendre□Galerkin Matrix Method. *Applied Sciences (Switzerland)*, **2021**, 11, 9307	2.6	0
16	Novel Design Proposal for the Seismic Retrofit of Existing Buildings with Hybrid Steel Exoskeletons and Base Sliding Devices. *Open Civil Engineering Journal*, **2021**, 15, 74-90	0.8	0
15	On the Use of Cloud Analysis for Structural Glass Members under Seismic Events. *Sustainability*, **2021**, 13, 9291	3.6	0
14	Improving the seismic capacity of steel□concrete composite frames with spiral-confined slabs. *Advances in Structural Engineering*,136943322210866	1.9	0
13	Basis of Guidelines for Structural Design and Thermal Assessment of Buildings with Hybrid CLT-Glass Elements. *International Journal of Structural Glass and Advanced Materials Research*, **2020**, 4, 97-113	0.9	
12	Advancements in Analysis and Design of Protective Structures against Extreme Loadings. *Advances in Civil Engineering*, **2019**, 2019, 1-2	1.3	
11	08.25: The influence of the concrete slab on the behaviour of steel-concrete composite joints for braced frames. *Ce/Papers*, **2017**, 1, 2041-2050	0.3	
10	Dynamic Identification Techniques for the Vulnerability Analysis of Glass Soft Targets: On-site Vibration Experiments and Numerical Simulations on a Glazed Footbridge. *NATO Science for Peace and Security Series C: Environmental Security*, **2020**, 35-48	0.3	
9	Development of analytical fragility curves for structural glass frames by using Cloud Analysis. *MATEC Web of Conferences*, **2021**, 352, 00012	0.3	
8	Mechanical Behavior and Resistance of Structural Glass Beams in Lateral□Torsional Buckling (LTB) with Adhesive Joints1-47		
7	Vibration Analysis and Structural Identification of a Seismically Isolated Bridge. *Conference Proceedings of the Society for Experimental Mechanics*, **2013**, 1-9	0.3	

List of Publications

6	Simplified Lateral Torsional Buckling (LTB) Analysis of Glass Fins with Continuous Lateral Restraints at the Tensioned Edge. *Mathematical Problems in Engineering*, **2021**, 2021, 1-21	1.1
5	Linear model to describe the working of a three layers CLT strip slab: Experimental and numerical validation. *Advances in Structural Engineering*,136943322110204	1.9
4	Toward a Novel SMA-reinforced Laminated Glass Panel **2016**, 87-120	
3	Assessment of CNC Machine-Induced Vibrations on an Industrial Inter-story Floor. *Lecture Notes in Civil Engineering*, **2021**, 306-315	0.3
2	Seismic Behaviour Improvement of Steel-Concrete Composite Frames Based on Steel Spiral-Confined Slabs. *Lecture Notes in Civil Engineering*, **2022**, 597-605	0.3
1	Pre- and Post-fracture Experimental Vibration Analysis for In-Field Damage and Vulnerability Measure in Existing Glass Slabs. *Lecture Notes in Civil Engineering*, **2023**, 658-667	0.3