

Chiara Bedon

List of Publications by Year in Descending Order

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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.

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	Pre- and Post-fracture Experimental Vibration Analysis for In-Field Damage and Vulnerability Measure in Existing Glass Slabs. <i>Lecture Notes in Civil Engineering</i> , 2023 , 658-667	0.3	
166	Uncoupled Wi-Fi Body CoM Acceleration for the Analysis of Lightweight Glass Slabs under Random Walks. <i>Journal of Sensor and Actuator Networks</i> , 2022 , 11, 10	3.8	4
165	Experimental and Numerical Peeling Investigation on Aged Multi-Layer Anti-Shatter Safety Films (ASFs) for Structural Glass Retrofit. <i>Symmetry</i> , 2022 , 14, 162	2.7	0
164	The Italian instructions for the design, execution and control of timber constructions (CNR-DT 206 R1/2018). <i>Engineering Structures</i> , 2022 , 253, 113753	4.7	1
163	Body CoM Acceleration for Rapid Analysis of Gait Variability and Pedestrian Effects on Structures. <i>Buildings</i> , 2022 , 12, 251	3.2	1
162	Time-domain numerical analysis of single pedestrian random walks on laminated glass slabs in pre- or post-breakage regime. <i>Engineering Structures</i> , 2022 , 260, 114250	4.7	1
161	Seismic Behaviour Improvement of Steel-Concrete Composite Frames Based on Steel Spiral-Confined Slabs. <i>Lecture Notes in Civil Engineering</i> , 2022 , 597-605	0.3	
160	Mechanical characterization of homogeneous and hybrid beech-Corsican pine glue-laminated timber beams. <i>Engineering Structures</i> , 2022 , 264, 114450	4.7	1
159	Post-Breakage Vibration Frequency Analysis of In-Service Pedestrian Laminated Glass Modular Units. <i>Vibration</i> , 2021 , 4, 836-852	2	10
158	Remote Facial Expression and Heart Rate Measurements to Assess Human Reactions in Glass Structures. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-16	1.3	2
157	Multistep Experimental Calibration of Mechanical Parameters for Modelling Multilayer Antishatter Safety Films in Structural Glass Protection. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-14	1.1	1
156	An Efficient Reliability-Based Approach for Evaluating Safe Scaled Distance of Steel Columns under Dynamic Blast Loads. <i>Buildings</i> , 2021 , 11, 606	3.2	4
155	Development of analytical fragility curves for structural glass frames by using Cloud Analysis. <i>MATEC Web of Conferences</i> , 2021 , 352, 00012	0.3	
154	Seismic Behaviour of Bolted and Bonded Point Fixed Laminated Glass Panels. <i>MATEC Web of Conferences</i> , 2021 , 352, 00013	0.3	0
153	Dynamic Response Analysis of Structures Using Legendre Galerkin Matrix Method. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9307	2.6	0
152	Metaheuristic Prediction of the Compressive Strength of Environmentally Friendly Concrete Modified with Eggshell Powder Using the Hybrid ANN-SFL Optimization Algorithm. <i>Materials</i> , 2021 , 14,	3.5	3
151	Simplified Lateral Torsional Buckling (LTB) Analysis of Glass Fins with Continuous Lateral Restraints at the Tensioned Edge. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-21	1.1	

150	Application of Component-Based Mechanical Models and Artificial Intelligence to Bolted Beam-to-Column Connections. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2297	2.6	4
149	Short-Term Analysis of Adhesive Types and Bonding Mistakes on Bonded-in-Rod (BiR) Connections for Timber Structures. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2665	2.6	1
148	Calibrated Numerical Approach for the Dynamic Analysis of Glass Curtain Walls under Spheroconical Bag Impact. <i>Buildings</i> , 2021 , 11, 154	3.2	3
147	Novel Design Proposal for the Seismic Retrofit of Existing Buildings with Hybrid Steel Exoskeletons and Base Sliding Devices. <i>Open Civil Engineering Journal</i> , 2021 , 15, 74-90	0.8	0
146	BAT Algorithm-Based ANN to Predict the Compressive Strength of Concrete A Comparative Study. <i>Infrastructures</i> , 2021 , 6, 80	2.6	7
145	Facial Expression-Based Experimental Analysis of Human Reactions and Psychological Comfort on Glass Structures in Buildings. <i>Buildings</i> , 2021 , 11, 204	3.2	14
144	An Abridged Review of Buckling Analysis of Compression Members in Construction. <i>Buildings</i> , 2021 , 11, 211	3.2	1
143	Corrigendum to Mechanical characterization of novel Homogeneous Beech and hybrid Beech-Corsican Pine thin Cross-Laminated timber panels[Constr. Build. Mater. 271 (2021) 121589]. <i>Construction and Building Materials</i> , 2021 , 288, 123495	6.7	1
142	Lateral-torsional buckling (LTB) method for the design of glass fins with continuous lateral restraints at the tensioned edge. <i>Composite Structures</i> , 2021 , 266, 113790	5.3	2
141	Correlation approach for the Push-Out and full-size bending short-term performances of timber-to-timber slabs with Self-Tapping Screws. <i>Engineering Structures</i> , 2021 , 238, 112232	4.7	2
140	Structural response of fire-exposed laminated glass beams under sustained loads; exploratory experiments and FE-Simulations. <i>Fire Safety Journal</i> , 2021 , 123, 103353	3.3	4
139	Mechanical characterization of novel Homogeneous Beech and hybrid Beech-Corsican Pine thin Cross-Laminated timber panels. <i>Construction and Building Materials</i> , 2021 , 271, 121589	6.7	6
138	Assessment of CNC Machine-Induced Vibrations on an Industrial Inter-story Floor. <i>Lecture Notes in Civil Engineering</i> , 2021 , 306-315	0.3	
137	Sensitivity to Input Parameters of Failure Detection Methods for Out-of-Plane Loaded Glass Panels in Fire. <i>Fire</i> , 2021 , 4, 5	2.4	2
136	Assessment of Mechanical Properties and Structural Morphology of Alkali-Activated Mortars with Industrial Waste Materials. <i>Sustainability</i> , 2021 , 13, 2062	3.6	11
135	Analytical Fragility Curves for Seismic Design of Glass Systems Based on Cloud Analysis. <i>Symmetry</i> , 2021 , 13, 1541	2.7	1
134	On the Use of Cloud Analysis for Structural Glass Members under Seismic Events. <i>Sustainability</i> , 2021 , 13, 9291	3.6	0
133	Effect of non-uniform temperature exposure on the out-of-plane bending performance of ordinary laminated glass panels. <i>Composite Structures</i> , 2021 , 275, 114517	5.3	1

132	Study on the Compressive Behaviour of Sustainable Cement-Based Composites under One-Hour of Direct Flame Exposure. <i>Sustainability</i> , 2020 , 12, 10548	3.6	4
131	Enhanced Single-Degree-of-Freedom Analysis of Thin Elastic Plates Subjected to Blast Loading Using an Energy-Based Approach. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-29	1.3	1
130	Efficiency of Coupled Experimental-Numerical Predictive Analyses for Inter-Story Floors Under Non-Isolated Machine-Induced Vibrations. <i>Actuators</i> , 2020 , 9, 87	2.4	4
129	Damage evaluation of H-section steel columns under impulsive blast loads via gene expression programming. <i>Engineering Structures</i> , 2020 , 219, 110909	4.7	12
128	Experimental and numerical structural assessment of transparent and tinted glass during fire exposure. <i>Construction and Building Materials</i> , 2020 , 250, 118918	6.7	7
127	Thermal and Energy-Efficiency Assessment of Hybrid CLT-glass Façade Elements. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3071	2.6	2
126	Methods for the Assessment of Critical Properties in Existing Masonry Structures under Seismic Loads—the ARES Project. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1576	2.6	13
125	Mechanical analysis and characterization of IGUs with different silicone sealed spacer connections - Part 1: experiments. <i>Glass Structures and Engineering</i> , 2020 , 5, 301-325	1.4	3
124	Application of Modal-Displacement Based Design Method to Multi-Story Timber Blockhaus Structures. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3889	2.6	1
123	Elastic Critical Moment for the Lateral-Torsional Buckling (LTB) Analysis of Structural Glass Beams with Discrete Mechanical Lateral Restraints. <i>Materials</i> , 2020 , 13,	3.5	7
122	Mechanical analysis and characterization of IGUs with different silicone sealed spacer connections - Part 2: modelling. <i>Glass Structures and Engineering</i> , 2020 , 5, 327-346	1.4	4
121	Experimental investigation on vibration sensitivity of an indoor glass footbridge to walking conditions. <i>Journal of Building Engineering</i> , 2020 , 29, 101195	5.2	13
120	Basis of Guidelines for Structural Design and Thermal Assessment of Buildings with Hybrid CLT-Glass Elements. <i>International Journal of Structural Glass and Advanced Materials Research</i> , 2020 , 4, 97-113	0.9	
119	Predictivity of CNC Machine-Induced Vibrations on Inter-Story Floors Based on Coupled Experimental-Numerical Investigations. <i>Proceedings (mdpi)</i> , 2020 , 64, 15	0.3	1
118	Dynamic Identification Techniques for the Vulnerability Analysis of Glass Soft Targets: On-site Vibration Experiments and Numerical Simulations on a Glazed Footbridge. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2020 , 35-48	0.3	
117	Uncertainty Assessment for the Buckling Analysis of Glass Columns with Random Parameters. <i>International Journal of Structural Glass and Advanced Materials Research</i> , 2020 , 4, 254-275	0.9	4
116	Different Approaches of Numerical Simulation of Blast for Civil Engineering Applications. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2020 , 169-181	0.3	1
115	Performance of TGU Windows under Explosive Loading. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2020 , 49-59	0.3	1

114	Explorative study on adaptive facades with superelastic antagonistic actuation. <i>Structural Control and Health Monitoring</i> , 2020 , 27, e2463	4.5	1
113	Exploratory study on simple hybrid or pre-stressed steel-glass I-beams under short-term bending □ Part 1: Experiments. <i>Composite Structures</i> , 2020 , 234, 111651	5.3	1
112	Mechanical Characterization of Timber-to-Timber Composite (TTC) Joints with Self-Tapping Screws in a Standard Push-Out Setup. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6534	2.6	2
111	Numerical Analysis of the Blast Wave Propagation due to Various Explosive Charges. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-11	1.3	9
110	A novel concept for a reinforced glass beam carrying long term loads. <i>Glass Structures and Engineering</i> , 2020 , 5, 233-245	1.4	1
109	Literature Review on Timber-Concrete Composite Structures in Fire. <i>Journal of Structural Engineering</i> , 2019 , 145, 04019142	3	8
108	Robustness and Resilience of Structures under Extreme Loads. <i>Advances in Civil Engineering</i> , 2019 , 2019, 1-14	1.3	12
107	Energy-based considerations for the seismic design of ductile and dissipative glass frames. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 125, 105710	3.5	7
106	Structural characterisation of adaptive facades in Europe - Part II: Validity of conventional experimental testing methods and key issues. <i>Journal of Building Engineering</i> , 2019 , 25, 100797	5.2	8
105	Reliability of Field Experiments, Analytical Methods and Pedestrian Perception Scales for the Vibration Serviceability Assessment of an In-Service Glass Walkway. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1936	2.6	22
104	Structural characterisation of adaptive facades in Europe □ Part I: Insight on classification rules, performance metrics and design methods. <i>Journal of Building Engineering</i> , 2019 , 25, 100721	5.2	15
103	Diagnostic analysis and dynamic identification of a glass suspension footbridge via on-site vibration experiments and FE numerical modelling. <i>Composite Structures</i> , 2019 , 216, 366-378	5.3	37
102	Vibration Analysis and Dynamic Characterization of Structural Glass Elements with Different Restraints Based on Operational Modal Analysis. <i>Buildings</i> , 2019 , 9, 13	3.2	37
101	Numerical damage evaluation assessment of blast loaded steel columns with similar section properties. <i>Structures</i> , 2019 , 20, 189-203	3.4	11
100	Advancements in Analysis and Design of Protective Structures against Extreme Loadings. <i>Advances in Civil Engineering</i> , 2019 , 2019, 1-2	1.3	
99	Advancements in Design and Analysis of Protective Structures 2019. <i>Advances in Civil Engineering</i> , 2019 , 2019, 1-2	1.3	1
98	Textiles and Fabrics for Enhanced Structural Glass Facades: Potentials and Challenges. <i>Buildings</i> , 2019 , 9, 156	3.2	3
97	Issues on the Vibration Analysis of In-Service Laminated Glass Structures: Analytical, Experimental and Numerical Investigations on Delaminated Beams. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3928	2.6	26

96	Vibration experiments for diagnostic investigations on a glass suspension footbridge. <i>Vibroengineering PROCEDIA</i> , 2019 , 24, 41-46	0.4	1
95	Safety Issues in the Seismic Design of Secondary Frameless Glass Structures. <i>Safety</i> , 2019 , 5, 80	1.7	9
94	Numerical analysis of timber-to-timber joints and composite beams with inclined self-tapping screws. <i>Composite Structures</i> , 2019 , 207, 13-28	5.3	39
93	Fire Resistance of Thermally Insulated Log-House Timber Walls. <i>Fire Technology</i> , 2019 , 55, 307-341	3	3
92	Structural glass beams with embedded GFRP, CFRP or steel reinforcement rods: Comparative experimental, analytical and numerical investigations. <i>Journal of Building Engineering</i> , 2019 , 22, 227-241	5.2	24
91	q-factor estimation for 3D log-house timber buildings via Finite Element analyses. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 116, 215-229	3.5	7
90	Experimental and numerical analysis of in-plane compressed unprotected log-haus timber walls in fire conditions. <i>Fire Safety Journal</i> , 2019 , 107, 89-103	3.3	7
89	Performance of structural glass facades under extreme loads [Design methods, existing research, current issues and trends. <i>Construction and Building Materials</i> , 2018 , 163, 921-937	6.7	88
88	Transparency in Structural Glass Systems Via Mechanical, Adhesive, and Laminated Connections - Existing Research and Developments. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700815	3.5	20
87	Experimental and numerical analysis of thick embedded laminated glass connections. <i>Composite Structures</i> , 2018 , 188, 242-256	5.3	20
86	A linear formulation for the ULS design of glass elements under combined loads: application to IGUs. <i>Glass Structures and Engineering</i> , 2018 , 3, 289-301	1.4	4
85	Buckling analysis and design proposal for 2-side supported double Insulated Glass Units (IGUs) in compression. <i>Engineering Structures</i> , 2018 , 168, 23-34	4.7	15
84	Glass facades under seismic events and explosions: a novel distributed-TMD design concept for building protection. <i>Glass Structures and Engineering</i> , 2018 , 3, 257-274	1.4	5
83	Numerical investigation on structural glass beams with GFRP-embedded rods, including effects of pre-stress. <i>Composite Structures</i> , 2018 , 184, 650-661	5.3	15
82	Advancements in Design and Analysis of Protective Structures. <i>Advances in Civil Engineering</i> , 2018 , 2018, 1-3	1.3	1
81	Numerical Investigation of Timber Log-Haus Walls with Steel Dovetail Reinforcements under In-Plane Seismic Loads. <i>Advances in Civil Engineering</i> , 2018 , 2018, 1-12	1.3	5
80	Numerical assessment of vibration control systems for multi-hazard design and mitigation of glass curtain walls. <i>Journal of Building Engineering</i> , 2018 , 15, 1-13	5.2	43
79	Fire Resistance of In-Plane Compressed Log-House Timber Walls with Partial Thermal Insulation. <i>Buildings</i> , 2018 , 8, 131	3.2	5

78	Dynamic Characterisation and Finite Element Updating of a RC Stadium Grandstand. <i>Buildings</i> , 2018 , 8, 141	3.2	4
77	Shear Performance Assessment of Timber Log-House Walls under In-Plane Lateral Loads via Numerical and Analytical Modelling. <i>Buildings</i> , 2018 , 8, 99	3.2	7
76	Prototyping and Validation of MEMS Accelerometers for Structural Health Monitoring – The Case Study of the Pietratagliata Cable-Stayed Bridge. <i>Journal of Sensor and Actuator Networks</i> , 2018 , 7, 30	3.8	52
75	Numerical Analysis and 1D/2D Sensitivity Study for Monolithic and Laminated Structural Glass Elements under Thermal Exposure. <i>Materials</i> , 2018 , 11,	3.5	12
74	Key Structural Aspects for Adaptive Facades - Activity Progress from the EU-COST Action TU1403 Structural Task Group. <i>International Journal of Structural Glass and Advanced Materials Research</i> , 2018 , 2, 135-154	0.9	4
73	Laminated glass beams with thick embedded connections – Numerical analysis of full-scale specimens during cracking regime. <i>Composite Structures</i> , 2018 , 195, 308-324	5.3	17
72	Refined numerical modelling for the structural assessment of steel-concrete composite beam-to-column joints under seismic loads. <i>Engineering Structures</i> , 2017 , 138, 394-409	4.7	59
71	Finite Element analysis of post-tensioned SG-laminated glass beams with adhesively bonded steel tendons. <i>Composite Structures</i> , 2017 , 167, 238-250	5.3	15
70	Assessing the structural behaviour of square hollow glass columns subjected to combined compressive and impact loads via full-scale experiments. <i>Engineering Structures</i> , 2017 , 143, 127-140	4.7	6
69	Derivation of buckling design curves via FE modelling for in-plane compressed timber log-walls in accordance with the Eurocode 5. <i>European Journal of Wood and Wood Products</i> , 2017 , 75, 449-465	2.1	11
68	Enhancement of the seismic performance of multi-storey buildings by means of dissipative glazing curtain walls. <i>Engineering Structures</i> , 2017 , 152, 320-334	4.7	25
67	Low velocity impact performance investigation on square hollow glass columns via full-scale experiments and Finite Element analyses. <i>Composite Structures</i> , 2017 , 182, 311-325	5.3	24
66	Numerical assessment of slab-interaction effects on the behaviour of steel-concrete composite joints. <i>Journal of Constructional Steel Research</i> , 2017 , 139, 397-410	3.8	22
65	Vulnerability and Protection of Glass Windows and Facades under Blast: Experiments, Methods and Current Trends. <i>International Journal of Structural Glass and Advanced Materials Research</i> , 2017 , 1, 10-23	0.9	14
64	08.25: The influence of the concrete slab on the behaviour of steel-concrete composite joints for braced frames. <i>Ce/Papers</i> , 2017 , 1, 2041-2050	0.3	
63	Dynamic analysis of a blast loaded steel structure. <i>Procedia Engineering</i> , 2017 , 199, 2463-2469		24
62	Assessment of analytical formulations for the ULS resistance verification of structural glass elements accounting for the effects of different load durations. <i>Structures</i> , 2017 , 11, 218-228	3.4	6
61	Design and Analysis of Blast Loaded Windows. <i>Procedia Engineering</i> , 2017 , 192, 177-182		14

60	Numerical analysis of glass-FRP post-tensioned beams [Review and assessment]. <i>Composite Structures</i> , 2017 , 177, 129-140	5.3	20
59	Three-Dimensional Modelling of Notched Connections for Timber-Concrete Composite Beams. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2017 , 27, 184-196	1	12
58	Glass Columns under Impact - Experimental and Numerical Analyses. <i>Key Engineering Materials</i> , 2017 , 755, 82-89	0.4	1
57	Recommendations for a New Generation of Standards for Testing Numerical Assessment of Blast-Loaded Glass Windows. <i>Key Engineering Materials</i> , 2017 , 755, 121-130	0.4	2
56	Comparative Assessment of Analytical models for the ULS Resistance Verification of Structural Glass Elements under Variable Loads. <i>American Journal of Engineering and Applied Sciences</i> , 2017 , 10, 229-242	0.4	1
55	Structural Glass Systems under Fire: Overview of Design Issues, Experimental Research, and Developments. <i>Advances in Civil Engineering</i> , 2017 , 2017, 1-18	1.3	9
54	Passive Control Systems for the Blast Enhancement of Glazing Curtain Walls Under Explosive Loads. <i>Open Civil Engineering Journal</i> , 2017 , 11, 396-419	0.8	12
53	Editorial for the "FRP Structures" Special Issue. <i>American Journal of Engineering and Applied Sciences</i> , 2016 , 9, 439-441	0.4	5
52	A Unified Approach for the Shear Buckling Design of Structural Glass Walls with Non-Ideal Restraints. <i>American Journal of Engineering and Applied Sciences</i> , 2016 , 9, 64-78	0.4	10
51	Preliminary Experimental and Finite-Element Numerical Assessment of the Structural Performance of SMA-Reinforced GFRP Systems. <i>American Journal of Engineering and Applied Sciences</i> , 2016 , 9, 692-701	0.4	1
50	Smart glazed cable facade subjected to a blast loading. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2016 , 169, 223-232	0.9	10
49	Adaptive glass panels using shape-memory alloys. <i>Glass Structures and Engineering</i> , 2016 , 1, 95-114	1.4	1
48	Ambient vibration testing and structural identification of a cable-stayed bridge. <i>Meccanica</i> , 2016 , 51, 2777-2796	2.1	23
47	Effect of circumferential sealant joints and metal supporting frames on the buckling behavior of glass panels subjected to in-plane shear loads. <i>Glass Structures and Engineering</i> , 2016 , 1, 353-373	1.4	14
46	Finite-element analysis of post-tensioned SG-laminated glass beams with mechanically anchored tendons. <i>Glass Structures and Engineering</i> , 2016 , 1, 39-59	1.4	15
45	Experimental investigation for the structural performance assessment of square hollow glass columns. <i>Engineering Structures</i> , 2016 , 113, 1-15	4.7	12
44	Shear glass panels with point-fixed mechanical connections: Finite-Element numerical investigation and buckling design recommendations. <i>Engineering Structures</i> , 2016 , 112, 233-244	4.7	7
43	Exploratory Finite-Element investigation and assessment of standardized design buckling criteria for two-side linear adhesively supported glass panels under in-plane shear loads. <i>Engineering Structures</i> , 2016 , 106, 273-287	4.7	7

42	Multi-Objective Optimization of FRP Jackets for Improving the Seismic Response of Reinforced Concrete Frames. <i>American Journal of Engineering and Applied Sciences</i> , 2016 , 9, 669-679	0.4	17
41	Review on the use of FRP Composites for Facades and Building Skins. <i>American Journal of Engineering and Applied Sciences</i> , 2016 , 9, 713-723	0.4	6
40	Finite-Element Numerical Simulation of the Bending Performance of Post-Tensioned Structural Glass Beams with Adhesively Bonded CFRP Tendons. <i>American Journal of Engineering and Applied Sciences</i> , 2016 , 9, 680-691	0.4	5
39	Design of Blast-Loaded Glazing Windows and Facades: A Review of Essential Requirements towards Standardization. <i>Advances in Civil Engineering</i> , 2016 , 2016, 1-14	1.3	39
38	Advancements in Design, Analysis, and Retrofitting of Structures Exposed to Blast. <i>Advances in Civil Engineering</i> , 2016 , 2016, 1-2	1.3	2
37	FE Exploratory Investigation on the Performance of SMA-Reinforced Laminated Glass Panels. <i>Advanced Engineering Materials</i> , 2016 , 18, 1478-1493	3.5	1
36	Toward a Novel SMA-reinforced Laminated Glass Panel 2016 , 87-120		
35	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. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 2471-2492	3.4	11
34	Design buckling curves for glass columns and beams. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2015 , 168, 514-526	0.9	31
33	Assessment of the structural stability of Blockhaus timber log-walls under in-plane compression via full-scale buckling experiments. <i>Construction and Building Materials</i> , 2015 , 78, 474-490	6.7	15
32	Experimental and numerical study on the shear behavior of stone masonry walls strengthened with GFRP reinforced mortar coating and steel-cord reinforced repointing. <i>Engineering Structures</i> , 2015 , 90, 143-157	4.7	62
31	Experimental Study and Numerical Investigation of Blockhaus Shear Walls Subjected to In-Plane Seismic Loads. <i>Journal of Structural Engineering</i> , 2015 , 141, 04014118	3	18
30	Structural assessment and lateral-torsional buckling design of glass beams restrained by continuous sealant joints. <i>Engineering Structures</i> , 2015 , 102, 214-229	4.7	29
29	Dynamic and static identification of base-isolated bridges using Genetic Algorithms. <i>Engineering Structures</i> , 2015 , 102, 80-92	4.7	44
28	Flexural and Torsional Buckling Behavior of Eccentrically Compressed Laminated Glass Elements with a Viscoelastic PVB Interlayer. <i>Journal of Structural Engineering</i> , 2015 , 141, 04014156	3	3
27	Numerical and analytical assessment of the buckling behaviour of Blockhaus log-walls under in-plane compression. <i>Engineering Structures</i> , 2015 , 82, 134-150	4.7	13
26	Non-linear modelling of the in-plane seismic behaviour of timber Blockhaus log-walls. <i>Engineering Structures</i> , 2015 , 91, 112-124	4.7	16
25	Flexural-torsional buckling: Experimental analysis of laminated glass elements. <i>Engineering Structures</i> , 2014 , 73, 85-99	4.7	33

24	Buckling analysis of simply supported flat glass panels subjected to combined in-plane uniaxial compressive and edgewise shear loads. <i>Engineering Structures</i> , 2014 , 59, 127-140	4-7	14
23	Exploratory numerical analysis of SG-laminated reinforced glass beam experiments. <i>Engineering Structures</i> , 2014 , 75, 457-468	4-7	39
22	Numerical and analytical investigation on the dynamic buckling behavior of glass columns under blast. <i>Engineering Structures</i> , 2014 , 79, 322-340	4-7	26
21	Numerical buckling analysis of geometrically imperfect glass panels under biaxial in-plane compressive/tensile loads. <i>Engineering Structures</i> , 2014 , 60, 165-176	4-7	5
20	Assessment of existing analytical models for the lateral torsional buckling analysis of PVB and SG laminated glass beams via viscoelastic simulations and experiments. <i>Engineering Structures</i> , 2014 , 60, 52-67	4-7	36
19	Exploratory numerical analysis of two-way straight cable-net façades subjected to air blast loads. <i>Engineering Structures</i> , 2014 , 79, 276-289	4-7	29
18	Dynamic testing and parameter identification of a base-isolated bridge. <i>Engineering Structures</i> , 2014 , 60, 85-99	4-7	42
17	FE assessment of dissipative devices for the blast mitigation of glazing façades supported by prestressed cables. <i>Structural Engineering and Mechanics</i> , 2014 , 51, 141-162		6
16	A buckling verification approach for monolithic and laminated glass elements under combined in-plane compression and bending. <i>Engineering Structures</i> , 2013 , 52, 220-229	4-7	35
15	Experimental and analytical assessment of lateral torsional buckling of laminated glass beams. <i>Engineering Structures</i> , 2013 , 51, 295-305	4-7	59
14	Multiple Dissipative Devices for Blast-Resisting Cable-Supported Glazing Façades. <i>Modelling and Simulation in Engineering</i> , 2013 , 2013, 1-13	1-3	4
13	Vibration Analysis and Structural Identification of a Seismically Isolated Bridge. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2013 , 1-9	0-3	
12	Buckling of flat laminated glass panels under in-plane compression or shear. <i>Engineering Structures</i> , 2012 , 36, 185-197	4-7	21
11	Elastoplastic dissipative devices for the mitigation of blast resisting cable-supported glazing façades. <i>Engineering Structures</i> , 2012 , 39, 103-115	4-7	34
10	Viscoelastic spider connectors for the mitigation of cable-supported façades subjected to air blast loading. <i>Engineering Structures</i> , 2012 , 42, 190-200	4-7	43
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