Laura Galuppi

List of Publications by Year
in descending order

42 papers	1,031 citations	643344 15 h-index	488211 31 g-index
43 all docs	43 docs citations	43 times ranked	372 citing authors

#	Article	IF	Citations
1	Experimental and numerical characterization of twisting response of thin glass. Glass Structures and Engineering, 2022, 7, 45-69.	0.8	3
2	Cantilevered laminated glass balustrades: the Conjugate Beam Effective Thickness methodâ€”part II: comparison and application. Glass Structures and Engineering, 2022, 7, 23-43.	0.8	2
3	Engineered calculation of the uneven in-plane temperatures in Insulating Glass Units for structural design. Glass Structures and Engineering, 2022, 7, 71-99.	0.8	8
4	Biotâ€™s Variational Method to determine the thermal strain in layered glazings. International Journal of Solids and Structures, 2022, 249, 111657.	1.3	5
5	Erratum to â€œPractical expressions for the design of DGUs. The BAM approachâ€•(Engineering) Tj ETQq1 1 0.784314 rgBT /Overloc	2.6	0
6	Fractional viscoelastic characterization of laminated glass beams under time-varying loading. International Journal of Mechanical Sciences, 2021, 196, 106274.	3.6	23
7	Cantilevered laminated glass balustrades: the Conjugate Beam Effective Thickness methodâ€”part I: the analytical model. Glass Structures and Engineering, 2021, 6, 377-395.	0.8	5
8	Determining equivalent-sectional shear modulus in torsion tests for laminated glass beams using photogrammetry method. Composite Structures, 2021, 276, 114572.	3.1	3
9	Enhanced engineered calculation of the temperature distribution in architectural glazing exposed to solar radiation. Glass Structures and Engineering, 2021, 6, 425-448.	0.8	7
10	Enhanced effective thickness model for buckling of LG beams with different boundary conditions. Glass Structures and Engineering, 2020, 5, 205-210.	0.8	10
11	Bettiâ€™s Analytical Method for the load sharing in double glazed units. Composite Structures, 2020, 235, 111765.	3.1	18
12	Conjugate-beam analogy for inflexed laminates. International Journal of Solids and Structures, 2020, 206, 396-411.	1.3	5
13	Practical expressions for the design of DGUs. The BAM approach. Engineering Structures, 2020, 221, 110993.	2.6	11
14	Greenâ€™s functions for the load sharing in multiple insulating glazing units. International Journal of Solids and Structures, 2020, 206, 412-425.	1.3	12
15	Enhanced Effective Thickness for laminated glass beams and plates under torsion. Engineering Structures, 2020, 206, 110077.	2.6	17
16	Post-breakage in-plane stiffness of laminated glass: an engineering approach. Glass Structures and Engineering, 2019, 4, 421-432.	0.8	7
17	The effective tensile and bending stiffness of nanotube fibers. International Journal of Mechanical Sciences, 2019, 163, 105089.	3.6	8
18	A simple model for the post-breakage response of laminated glass under in-plane loading. Composite Structures, 2019, 230, 111426.	3.1	11

#	Article	IF	Citations
19	Membrane analogy for multi-material bars under torsion. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20190124.	1.0	3
20	The post-breakage response of laminated heat-treated glass under in plane and out of plane loading. Composites Part B: Engineering, 2018, 147, 227-239.	5.9	42
21	Transformable Curved Thin Glass Greenhouse. International Journal of Structural Glass and Advanced Materials Research, 2018, 2, 198-217.	0.4	2
22	A homogenized analysis Ã la Hashin for cracked laminates under equi-biaxial stress. Applications to laminated glass. Composites Part B: Engineering, 2017, 111, 332-347.	5.9	27
23	A homogenized model for the post-breakage tensile behavior of laminated glass. Composite Structures, 2016, 154, 600-615.	3.1	45
24	Effective Width of the Slab in Composite Beams with Nonlinear Shear Connection. Journal of Engineering Mechanics - ASCE, 2016, 142, .	1.6	10
25	On the occurrence of lumped forces at corners in classical plate theories: a physically based interpretation. Journal of Mechanics of Materials and Structures, 2015, 10, 93-103.	0.4	3
26	Optimal cold bending of laminated glass. International Journal of Solids and Structures, 2015, 67-68, 231-243.	1.3	17
27	Analytical approach Ã la Newmark for curved laminated glass. Composites Part B: Engineering, 2015, 76, 65-78.	5.9	19
28	Enhanced Effective Thickness (EET) of curved laminated glass. Annals of Solid and Structural Mechanics, 2015, 7, 71-92.	0.5	6
29	Cold-lamination-bending of glass: Sinusoidal is better than circular. Composites Part B: Engineering, 2015, 79, 285-300.	5.9	12
30	Shear coupling effects of the core in curved sandwich beams. Composites Part B: Engineering, 2015, 76, 320-331.	5.9	16
31	Localized contacts, stress concentrations and transient states in bent-lamination with viscoelastic adhesion. An analytical study. International Journal of Mechanical Sciences, 2015, 103, 275-287.	3.6	4
32	Enhanced Effective Thickness of multi-layered laminated glass. Composites Part B: Engineering, 2014, 64, 202-213.	5.9	74
33	Rheology of cold-lamination-bending for curved glazing. Engineering Structures, 2014, 61, 140-152.	2.6	11
34	Buckling phenomena in double curved cold-bent glass. International Journal of Non-Linear Mechanics, 2014, 64, 70-84.	1.4	29
35	Buckling of three-layered composite beams with viscoelastic interaction. Composite Structures, 2014, 107, 512-521.	3.1	56
36	Combined effects of interstitial and Laplace pressure in hot isostatic pressing of cylindrical specimens. Journal of Mechanics of Materials and Structures, 2014, 9, 51-86.	0.4	2

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37	The effective thickness of laminated glass: Inconsistency of the formulation in a proposal of EN-standards. Composites Part B: Engineering, 2013, 55, 109-118.	5.9	35
38	The design of laminated glass under time-dependent loading. International Journal of Mechanical Sciences, 2013, 68, 67-75.	3.6	46
39	Practical expressions for the design of laminated glass. Composites Part B: Engineering, 2013, 45, 1677-1688.	5.9	75
40	The effective thickness of laminated glass plates. Journal of Mechanics of Materials and Structures, 2012, 7, 375-400.	0.4	72
41	Laminated beams with viscoelastic interlayer. International Journal of Solids and Structures, 2012, 49, 2637-2645.	1.3	109
42	Effective thickness of laminated glass beams: New expression via a variational approach. Engineering Structures, 2012, 38, 53-67.	2.6	152