Aguinaldo Fraddosio

List of Publications by Year
in descending order

43 papers	564 citations	623734 14 h-index	677142 22 g-index
43 all docs	43 docs citations	43 times ranked	370 citing authors

#	Article	IF	Citations
1	SPC non-linear ultrasonic technique for detecting adhesion defects in FRCM reinforcements for masonry constructions. , 2022, , .		2
2	Linear and Nonlinear Ultrasonic Techniques for Monitoring Stress-Induced Damages in Concrete. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems, 2021, 4, .	0.9	19
3	Dynamic Identification of Tensile Force in Tie-Rods by Interferometric Radar Measurements. Applied Sciences (Switzerland), 2021, 11, 3687.	2.5	16
4	Dynamic damage identification for a full-scale parabolic tuff barrel vault under differential settlements of the supports. Construction and Building Materials, 2021, 291, 123271.	7.2	10
5	A novel method for determining the feasible integral self-stress states for tensegrity structures. Curved and Layered Structures, 2021, 8, 70-88.	1.3	14
6	Thrust Surface Method: An innovative approach for the three-dimensional lower bound Limit Analysis of masonry vaults. Engineering Structures, 2020, 202, 109846.	5.3	30
7	Ultrasonic Characterization of Components Manufactured by Direct Laser Metal Deposition. Materials, 2020, 13, 2658.	2.9	10
8	A New Ultrasonic Amplitude Tomography Approach, with Validation on Masonry Tuff Blocks. Journal of Nondestructive Evaluation, 2020, 39, 1.	2.4	16
9	ASSESSMENT OF THE TRM REINFORCEMENT OF WINDOWED MASONRY WALLS THROUGH OMA IDENTIFICATION. , 2020, , .		3
10	Further refinement of the Corbelling Theory for the equilibrium analysis of corbelled domes. Curved and Layered Structures, 2019, 6, 30-40.	1.3	4
11	A new numerical approach for determining optimal thrust curves of masonry arches. European Journal of Mechanics, A/Solids, 2019, 75, 426-442.	3.7	25
12	Experimental and Numerical Analysis of FRCM Strengthened Parabolic Tuff Barrel Vault. Key Engineering Materials, 2019, 817, 213-220.	0.4	5
13	Experimental and numerical analysis of the effectiveness of FRCM strengthening on a parabolic tuff barrel vault. AIP Conference Proceedings, 2019, , .	0.4	4
14	Minimal mass and self-stress analysis for innovative V-Expander tensegrity cells. Composite Structures, 2019, 209, 754-774.	5.8	32
15	Lower Bound Limit Analysis of Masonry Vaults Under General Load Conditions. RILEM Bookseries, 2019, , 1090-1098.	0.4	6
16	Improvements of the Ultrasonic Tomography for Applications to Historical Masonry Constructions. RILEM Bookseries, 2019, , 447-455.	0.4	5
17	Stability and possible bifurcations for a Gent-Thomas elastic parallelepiped subject to dead-load surface tractions. Computers and Structures, 2018, 207, 50-58.	4.4	0
18	Structural health monitoring of a historic masonry bell tower by radar interferometric measurements. , 2018, , .		13

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19	Quantitative analysis of QSI and LVI damage in GFRP unidirectional composite laminates by a new ultrasonic approach. Composites Part B: Engineering, 2018, 151, 106-117.	12.0	44
20	Ultrasonic goniometric immersion tests for the characterization of fatigue post-LVI damage induced anisotropy superimposed to the constitutive anisotropy of polymer composites. Composites Part B: Engineering, 2017, 116, 122-136.	12.0	40
21	Some advancements in the ultrasonic evaluation of initial stress states by the analysis of the acoustoelastic effect. Procedia Engineering, 2017, 199, 1519-1526.	1.2	27
22	Morphology and self-stress design of V-Expander tensegrity cells. Composites Part B: Engineering, 2017, 115, 102-116.	12.0	20
23	Some issues in the structural health monitoring of a railway viaduct by ground based radar interferometry. , 2017, , .		14
24	On self-equilibrium state of V-expander tensegrity beam-like grids. Research on Engineering Structures and Materials, 2017, , .	0.4	1
25	Evaluation of damage anisotropy induced in GFRP composite materials by an innovative ultrasonic experimental approach. Research on Engineering Structures and Materials, 2017, , .	0.4	0
26	On the mechanics of corbelled domes: new analytical and computational approaches. Research on Engineering Structures and Materials, 2017, , .	0.4	3
27	LabZERO, an interdisciplinary living laboratory for the promotion of renewables and energy efficiency. , 2016, , .		2
28	Monitoring applied and residual stress in materials and structures by non-destructive acoustoelastic techniques. , 2016, , .		11
29	Analysis of Non-autonomous Linear ODE Systems in Bifurcation Problems via Lie Group Geometric Numerical Integrators. Springer Proceedings in Mathematics and Statistics, 2016, , 97-111.	0.2	0
30	Stability, bifurcation and post-critical behavior of a homogeneously deformed incompressible isotropic elastic parallelepiped subject to dead-load surface tractions. International Journal of Non-Linear Mechanics, 2016, 80, 190-199.	2.6	1
31	Three-dimensional lower-bound analysis of masonry structures. , 2016, , 558-566.		3
32	Optimal bounds from below of the critical load for elastic solids subject to uniaxial compression. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 291-292.	0.2	0
33	A lower bound estimate of the critical load in bifurcation analysis for incompressible elastic solids. Mathematics and Mechanics of Solids, 2015, 20, 53-79.	2.4	9
34	Characterization of Material Damage by Ultrasonic Immersion Test. Procedia Engineering, 2015, 109, 395-402.	1.2	16
35	Taylor-like bifurcations for a compressible isotropic elastic tube. Mathematics and Mechanics of Solids, 2014, 19, 966-987.	2.4	7
36	Seismic Response of a Historic Masonry Construction Isolated by Stable Unbonded Fiber-Reinforced Elastomeric Isolators (SU-FREI). Key Engineering Materials, 2014, 628, 160-167.	0.4	16

#	Article	IF	Citations
37	Ultrasonic immersion tests for mechanical characterization of multilayered anisotropic materials. , 2014, , .		6
38	Geometric numerical integrators based on the Magnus expansion in bifurcation problems for non-linear elastic solids. Frattura Ed Integrita Strutturale, 2014, 8, 128-138.	0.9	1
39	Mechanical characterization of CFRP composites by ultrasonic immersion tests: Experimental and numerical approaches. Composites Part B: Engineering, 2014, 66, 299-310.	12.0	83
40	Shear driven planar Couette and Taylor-like instabilities for a class of compressible isotropic elastic solids. Zeitschrift Fur Angewandte Mathematik Und Physik, 2010, 61, 537-554.	1.4	10
41	A lower bound estimate of the critical load for compressible elastic solids. Continuum Mechanics and Thermodynamics, 2010, 22, 77-97.	2.2	16
42	Mechanical Characterization of Apricena Marble by Ultrasonic Immersion Tests. Key Engineering Materials, 0, 628, 109-116.	0.4	10
43	Dynamic Response of FRCM Reinforced Masonry Arches. Key Engineering Materials, 0, 817, 285-292.	0.4	10