Marco Francesco Funari

List of Publications by Year
in descending order

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30 papers	626 citations	586496 16 h-index	651938 25 g-index
30 all docs	30 docs citations	30 times ranked	405 citing authors

#	Article	IF	Citations
1	Real-time Structural Stability of Domes through Limit Analysis: Application to St. Peterâ€™s Dome. International Journal of Architectural Heritage, 2023, 17, 915-937.	1.7	17
2	On the use of a mesoscale masonry pattern representation in discrete macro-element approach. Journal of Building Engineering, 2022, 50, 104182.	1.6	10
3	Experimental, numerical and analytical investigations of masonry corners: Influence of the horizontal pseudo-static load orientation. Construction and Building Materials, 2022, 344, 127969.	3.2	10
4	A solution for the frictional resistance in macro-block limit analysis of non-periodic masonry. Structures, 2022, 43, 847-859.	1.7	23
5	Numerical simulation of fracture in layered and sandwich structures: A systematic literature review. Composites Part C: Open Access, 2022, 9, 100294.	1.5	1
6	A Tool for the Rapid Seismic Assessment of Historic Masonry Structures Based on Limit Analysis Optimisation and Rocking Dynamics. Applied Sciences (Switzerland), 2021, 11, 942.	1.3	41
7	The Effectiveness of the DIC as a Measurement System in SRG Shear Strengthened Reinforced Concrete Beams. Crystals, 2021, 11, 265.	1.0	22
8	On the elastic and mixed-mode fracture properties of PVC foam. Theoretical and Applied Fracture Mechanics, 2021, 112, 102924.	2.1	24
9	A Parametric Scan-to-FEM Framework for the Digital Twin Generation of Historic Masonry Structures. Sustainability, 2021, 13, 11088.	1.6	49
10	Artificial Neural Networks to Predict the Mechanical Properties of Natural Fibre-Reinforced Compressed Earth Blocks (CEBs). Fibers, 2021, 9, 78.	1.8	7
11	A Moving Interface Finite Element Formulation to Predict Dynamic Edge Debonding in FRP-Strengthened Concrete Beams in Service Conditions. Fibers, 2020, 8, 42.	1.8	32
12	A digital tool based on Genetic Algorithms and Limit Analysis for the seismic assessment of historic masonry buildings. Procedia Structural Integrity, 2020, 28, 1511-1519.	0.3	7
13	Visual programming for structural assessment of out-of-plane mechanisms in historic masonry structures. Journal of Building Engineering, 2020, 31, 101425.	1.6	27
14	An Experimental and Numerical Study to Evaluate the Crack Path Under Mixed Mode Loading on PVC Foams. Lecture Notes in Mechanical Engineering, 2020, , 378-388.	0.3	3
15	Numerical modeling based on moving mesh method to simulate fast crack propagation. Frattura Ed Integrita Strutturale, 2020, 14, 410-422.	0.5	4
16	On the elastic properties of PVC foam. Procedia Structural Integrity, 2020, 28, 1503-1510.	0.3	1
17	A numerical model based on ALE formulation to predict fast crack growth in composite structures. Procedia Structural Integrity, 2019, 18, 422-431.	0.3	2
18	Dynamic crack growth based on moving mesh method. Composites Part B: Engineering, 2019, 174, 107053.	5.9	21

#	Article	IF	Citations
19	A crack growth strategy based on moving mesh method and fracture mechanics. Theoretical and Applied Fracture Mechanics, 2019, 102, 103-115.	2.1	34
20	A numerical model based on ALE formulation to predict crack propagation in sandwich structures. Frattura Ed Integrita Strutturale, 2019, 13, 277-293.	0.5	18
21	A NUMERICAL-GEOMETRICAL METHODOLOGY TO REPRESENT OUT-OF-PLANE MECHANISMS OF UNREINFORCED MASONRY STRUCTURES BY USING PUSHOVER ANALYSIS. , 2019, , .		0
22	An interface approach based on moving mesh and cohesive modeling in Z-pinned composite laminates. Composites Part B: Engineering, 2018, 135, 207-217.	5.9	34
23	A coupled ALE-Cohesive formulation for interfacial debonding propagation in sandwich structures. Procedia Structural Integrity, 2018, 9, 92-100.	0.3	5
24	Sandwich panels under interfacial debonding mechanisms. Composite Structures, 2018, 203, 310-320.	3.1	51
25	Survey and seismic vulnerability assessment of the Baptistery of San Giovanni in Tumba (Italy). Journal of Cultural Heritage, 2017, 26, 64-78.	1.5	87
26	Initiation and evolution of debonding phenomena in layered structures. Theoretical and Applied Fracture Mechanics, 2017, 92, 133-145.	2.1	32
27	A coupled ALE-Cohesive formulation for layered structural systems. Procedia Structural Integrity, 2017, 3, 362-369.	0.3	6
28	Dynamic debonding in layered structures: a coupled ALE-cohesive approach. Frattura Ed Integrita Strutturale, 2017, 11, 524-535.	0.5	11
29	A cohesive finite element model based ALE formulation for z-pins reinforced multilayered composite beams. Procedia Structural Integrity, 2016, 2, 452-459.	0.3	11
30	A moving interface finite element formulation for layered structures. Composites Part B: Engineering, 2016, 96, 325-337.	5.9	36