

Fabio De Angelis

List of Publications by Year in descending order

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papers

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759233

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#	ARTICLE	IF	CITATIONS
1	Assessment and dynamic nonlinear analysis of different base isolation systems for a multi-storey RC building irregular in plan. <i>Computers and Structures</i> , 2017, 180, 74-88.	4.4	57
2	An internal variable variational formulation of viscoplasticity. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000, 190, 35-54.	6.6	40
3	Nonlinear dynamic analysis for multi-storey RC structures with hybrid base isolation systems in presence of bi-directional ground motions. <i>Composite Structures</i> , 2016, 154, 464-492.	5.8	40
4	A base isolation system for structures subject to extreme seismic events characterized by anomalous values of intensity and frequency content. <i>Composite Structures</i> , 2016, 157, 285-302.	5.8	31
5	An efficient return mapping algorithm for elastoplasticity with exact closed form solution of the local constitutive problem. <i>Engineering Computations</i> , 2015, 32, 2259-2291.	1.4	30
6	A nonlinear finite element plasticity formulation without matrix inversions. <i>Finite Elements in Analysis and Design</i> , 2016, 112, 11-25.	3.2	25
7	Dynamic assessment of base isolation systems for irregular in plan structures: Response spectrum analysis vs nonlinear analysis. <i>Composite Structures</i> , 2019, 215, 98-115.	5.8	25
8	Multifield variational principles and computational aspects in rate plasticity. <i>Computers and Structures</i> , 2017, 180, 27-39.	4.4	20
9	Dynamic analysis and vulnerability reduction of asymmetric structures: Fixed base vs base isolated system. <i>Composite Structures</i> , 2019, 219, 203-220.	5.8	20
10	Computational Issues and Numerical Applications in Rate-Dependent Plasticity. <i>Advanced Science Letters</i> , 2013, 19, 2359-2362.	0.2	17
11	The influence of loading rates on hardening effects in elasto/viscoplastic strain-hardening materials. <i>Mechanics of Time-Dependent Materials</i> , 2018, 22, 533-551.	4.4	14
12	On solutions to a FitzHugh-Rinzel type model. <i>Ricerche Di Matematica</i> , 2021, 70, 51-65.	1.0	14
13	A Nonlinear Analysis for the Retrofitting of a RC Existing Building by Increasing the Cross Sections of the Columns and Accounting for the Influence of the Confined Concrete. <i>Applied Mechanics and Materials</i> , 0, 204-208, 3604-3616.	0.2	13
14	Displacement Based Approach for the Seismic Retrofitting of a RC Existing Building Designed for only Gravitational Loads. <i>Applied Mechanics and Materials</i> , 2012, 166-169, 1718-1729.	0.2	13
15	Extended formulations of evolutive laws and constitutive relations in non-smooth plasticity and viscoplasticity. <i>Composite Structures</i> , 2018, 193, 35-41.	5.8	11
16	Assessment and vulnerability reduction of under-designed existing structures: Traditional vs innovative strategy. <i>Computers and Structures</i> , 2019, 221, 44-64.	4.4	10
17	Non-smooth evolutive laws in multisurface elastoplasticity with experimental evidence by infrared thermography. <i>Composite Structures</i> , 2021, 265, 113156.	5.8	5
18	Seismic Vulnerability of Existing RC Buildings and Influence of the Decoupling of the Effective Masonry Panels from the Structural Frames. <i>Applied Mechanics and Materials</i> , 2012, 256-259, 2244-2253.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Assessment of the Seismic Vulnerability of Existing RC Buildings and Effect of the Irregular Position of the Masonry Panels on the Fragile Collapse Mechanisms. <i>Advanced Materials Research</i> , 2012, 602-604, 1555-1565.	0.3	2
20	A multifield variational formulation of viscoplasticity suitable to deal with singularities and non-smooth functions. <i>International Journal of Engineering Science</i> , 2022, 172, 103616.	5.0	2
21	Base Isolation Systems for Structures Subject to Anomalous Dynamic Events. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 175-187.	0.4	0