

Fabio De Angelis

List of Publications by Year in descending order

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21
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | On solutions to a FitzHugh-Rinzel type model. <i>Ricerche Di Matematica</i> , 2021, 70, 51-65. | 1.0 | 14 |
| 3 | Non-smooth evolutive laws in multisurface elastoplasticity with experimental evidence by infrared thermography. <i>Composite Structures</i> , 2021, 265, 113156. | 5.8 | 5 |
| 4 | Base Isolation Systems for Structures Subject to Anomalous Dynamic Events. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 175-187. | 0.4 | 0 |
| 5 | 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 |
| 6 | 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 |
| 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 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Multifield variational principles and computational aspects in rate plasticity. <i>Computers and Structures</i> , 2017, 180, 27-39. | 4.4 | 20 |
| 12 | 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 |
| 13 | 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 |
| 14 | A nonlinear finite element plasticity formulation without matrix inversions. <i>Finite Elements in Analysis and Design</i> , 2016, 112, 11-25. | 3.2 | 25 |
| 15 | 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 |
| 16 | Computational Issues and Numerical Applications in Rate-Dependent Plasticity. <i>Advanced Science Letters</i> , 2013, 19, 2359-2362. | 0.2 | 17 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Displacement Based Approach for the Seismic Retrofitting of a RC Existing Building Designed for only Gravitational Loads. Applied Mechanics and Materials, 2012, 166-169, 1718-1729. | 0.2 | 13 |
| 20 | An internal variable variational formulation of viscoplasticity. Computer Methods in Applied Mechanics and Engineering, 2000, 190, 35-54. | 6.6 | 40 |
| 21 | 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. Applied Mechanics and Materials, 0, 204-208, 3604-3616. | 0.2 | 13 |