

Elena Michellini

List of Publications by Year in descending order

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26
papers

287
citations

840776

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940533

16
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27
all docs

27
docs citations

27
times ranked

222
citing authors

#	ARTICLE	IF	CITATIONS
1	Cracking in autoclaved aerated concrete: Experimental investigation and XFEM modeling. Cement and Concrete Research, 2015, 67, 156-167.	11.0	41
2	Mechanical characterization of autoclaved aerated concrete masonry subjected to in-plane loading: Experimental investigation and FE modeling. Construction and Building Materials, 2015, 98, 353-365.	7.2	34
3	Multi-directional modeling of crack pattern in 2D R/C members. Engineering Fracture Mechanics, 2008, 75, 615-628.	4.3	24
4	Experimental and numerical study on cracking process in RC and R/FRC ties. Materials and Structures/Materiaux Et Constructions, 2016, 49, 261-277.	3.1	24
5	Simulation methodology for the assessment of the structural safety of concrete tunnel linings based on CFD fire " FE thermo-mechanical analysis: a case study. Engineering Structures, 2020, 225, 111193.	5.3	21
6	A general 3D approach for the analysis of multi-axial fracture behavior of reinforced concrete elements. Engineering Fracture Mechanics, 2011, 78, 1784-1793.	4.3	20
7	Numerical modeling of the cracking behavior of RC and SFRC shear-critical beams. Engineering Fracture Mechanics, 2016, 167, 151-166.	4.3	16
8	Experimental and Numerical Assessment of Flexural and Shear Behavior of Precast Prestressed Deep Hollow-Core Slabs. International Journal of Concrete Structures and Materials, 2020, 14, .	3.2	16
9	Analysis of post-cracking stage in SFRC elements through a non-linear numerical approach. Engineering Fracture Mechanics, 2013, 108, 238-250.	4.3	12
10	Role of multiaxial state of stress on cracking of RC ties. Engineering Fracture Mechanics, 2014, 123, 21-33.	4.3	12
11	A non-linear constitutive relation for the analysis of FRCM elements. Procedia Structural Integrity, 2016, 2, 2674-2681.	0.8	12
12	The Effect of Density on the Delicate Balance between Structural Requirements and Environmental Issues for AAC Blocks: An Experimental Investigation. Sustainability, 2021, 13, 13186.	3.2	10
13	Failure analysis of RC beams subjected to shear through different numerical approaches. Engineering Failure Analysis, 2017, 82, 229-242.	4.0	7
14	Damage assessment of autoclaved aerated concrete buildings: some Italian case studies. International Journal of Masonry Research and Innovation, 2020, 5, 279.	0.4	7
15	A design method for the prediction of load distribution in hollow-core floors. Engineering Structures, 2016, 123, 473-481.	5.3	5
16	Behavior of thin-walled prestressed concrete roof elements " Experimental investigation and numerical modeling. Engineering Structures, 2016, 107, 166-179.	5.3	5
17	Simulation of the response of shrunk reinforced concrete elements subjected to short-term loading: a bi-dimensional numerical approach. Engineering Fracture Mechanics, 2017, 174, 64-79.	4.3	4
18	Evaluation of crack width in RC ties through a numerical "range" model. Procedia Structural Integrity, 2016, 2, 2780-2787.	0.8	3

#	ARTICLE	IF	CITATIONS
19	Transverse reinforcement optimization of a precast special roof element through an experimental and numerical procedure. <i>Engineering Structures</i> , 2020, 203, 109894.	5.3	3
20	A nonlinear procedure for the analysis of RC beams. <i>Procedia Structural Integrity</i> , 2016, 2, 2873-2880.	0.8	2
21	Fracture toughness of fibre-reinforced concrete determined by means of numerical analysis. <i>Procedia Structural Integrity</i> , 2017, 5, 848-855.	0.8	2
22	Eco-mechanical indexes for sustainability assessment of AAC blocks. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 442, 012011.	0.6	2
23	Non-linear analyses and cracking process of FRC tension ties. , 2014, , 883-892.		2
24	Numerical simulation of early-age shrinkage effects on RC member deflections and cracking development. <i>Frattura Ed Integrita Strutturale</i> , 2016, 10, 15-21.	0.9	1
25	Experimental characterization of fiber-reinforced cementitious mortar under tension. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 97-104.	0.9	1
26	A non-linear procedure for the numerical analysis of crack development in beams failing in shear. <i>Frattura Ed Integrita Strutturale</i> , 2016, 10, 98-107.	0.9	0