

Paolo Nevone Blasi

List of Publications by Year in descending order

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papers

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citations

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docs citations

31
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276
citing authors

#	ARTICLE	IF	CITATIONS
1	An investigation about debonding mechanisms in FRP-strengthened RC structural elements by using a cohesive/volumetric modeling technique. Theoretical and Applied Fracture Mechanics, 2022, 117, 103199.	4.7	37
2	Cracking analysis in Ultra-High-Performance Fiber-Reinforced Concrete with embedded nanoparticles via a diffuse interface approach. Procedia Structural Integrity, 2022, 39, 688-699.	0.8	1
3	Debonding failure analysis of FRP-plated RC beams via an inter-element cohesive fracture approach. Procedia Structural Integrity, 2022, 39, 677-687.	0.8	1
4	A cohesive fracture model for predicting crack spacing and crack width in reinforced concrete structures. Engineering Failure Analysis, 2022, 139, 106452.	4.0	27
5	A hybrid cohesive/volumetric multiscale finite element model for the failure analysis of fiber-reinforced composite structures. Procedia Structural Integrity, 2022, 41, 439-451.	0.8	1
6	Cracking behavior analysis of reinforced concrete structures by using a cohesive fracture model. Procedia Structural Integrity, 2022, 41, 598-609.	0.8	0
7	Investigation of concrete cracking phenomena by using cohesive fracture-based techniques: A comparison between an embedded crack model and a refined diffuse interface model. Theoretical and Applied Fracture Mechanics, 2021, 115, 103062.	4.7	25
8	Impact mitigation measures for bridges under extreme flood actions. Journal of Fluids and Structures, 2021, 106, 103381.	3.4	9
9	Finite element analysis of concrete cracking: a comparative study between a diffuse interface model and an embedded crack model. Procedia Structural Integrity, 2021, 33, 954-965.	0.8	1
10	Numerical prediction of transverse cracking and delamination in fiber-reinforced laminates by using a two-scale cohesive finite element approach. Procedia Structural Integrity, 2021, 33, 1042-1054.	0.8	0
11	A refined diffuse cohesive approach for the failure analysis in quasibrittle materials" part I: Theoretical formulation and numerical calibration. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 221-241.	3.4	42
12	Vulnerability analysis of bridge superstructures under extreme fluid actions. Journal of Fluids and Structures, 2020, 93, 102843.	3.4	16
13	Strategies to improve the structural integrity of tied-arch bridges affected by instability phenomena. Procedia Structural Integrity, 2020, 25, 454-464.	0.8	0
14	Crack growth propagation modeling based on moving mesh method and interaction integral approach. Procedia Structural Integrity, 2020, 28, 1981-1991.	0.8	5
15	An Inter-element Fracture Approach for the Analysis of Concrete Cover Separation Failure in FRP-Reinforced RC Beams. Lecture Notes in Mechanical Engineering, 2020, , 537-549.	0.4	6
16	A refined diffuse cohesive approach for the failure analysis in quasibrittle materials" part II: Application to plain and reinforced concrete structures. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2764-2781.	3.4	42
17	Nonlinear effects in fracture induced failure of compressively loaded fiber reinforced composites. Composite Structures, 2018, 189, 688-699.	5.8	34
18	Edge Debonding Prediction in Beams Strengthened by FRP Composite Plates. Springer Series in Solid and Structural Mechanics, 2017, , 105-124.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Effects of microfracture and contact induced instabilities on the macroscopic response of finitely deformed elastic composites. <i>Composites Part B: Engineering</i> , 2016, 107, 233-253.	12.0	20
20	An adaptive multiscale strategy for the damage analysis of masonry modeled as a composite material. <i>Composite Structures</i> , 2016, 153, 972-988.	5.8	43
21	Multi-layer modeling of edge debonding in strengthened beams using interface stresses and fracture energies. <i>Engineering Structures</i> , 2016, 109, 26-42.	5.3	22
22	Crack propagation analysis in composite materials by using moving mesh and multiscale techniques. <i>Computers and Structures</i> , 2015, 153, 201-216.	4.4	48
23	Adaptive multiscale modeling of fiber-reinforced composite materials subjected to transverse microcracking. <i>Composite Structures</i> , 2014, 113, 249-263.	5.8	41
24	Nonlinear homogenized properties of defected composite materials. <i>Computers and Structures</i> , 2014, 134, 102-111.	4.4	36
25	A 3D nonlinear static analysis of long-span cable stayed bridges. <i>Annals of Solid and Structural Mechanics</i> , 2013, 5, 15-34.	0.5	3
26	Non-linear macroscopic response of fiber-reinforced composite materials due to initiation and propagation of interface cracks. <i>Engineering Fracture Mechanics</i> , 2012, 80, 92-113.	4.3	38
27	An investigation on microscopic and macroscopic stability phenomena of composite solids with periodic microstructure. <i>International Journal of Solids and Structures</i> , 2010, 47, 2806-2824.	2.7	27
28	Macroscopic Stability Analysis in Periodic Composite Solids. <i>Advanced Structured Materials</i> , 2010, , 213-242.	0.5	0
29	Influence of micro-cracking and contact on the effective properties of composite materials. <i>Simulation Modelling Practice and Theory</i> , 2008, 16, 861-884.	3.8	33
30	An analytical investigation of debonding problems in beams strengthened using composite plates. <i>Engineering Fracture Mechanics</i> , 2007, 74, 346-372.	4.3	37
31	Prediction of Microscopic Interface Crack Onset in Fiber-Reinforced Composites by Using a Multi-Scale Homogenization Procedure. <i>Advanced Materials Research</i> , 0, 875-877, 1032-1036.	0.3	1