

# Paolo Nevone Blasi

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

598  
citations

516710

16  
h-index

580821

25  
g-index

31  
all docs

31  
docs citations

31  
times ranked

276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crack propagation analysis in composite materials by using moving mesh and multiscale techniques. Computers and Structures, 2015, 153, 201-216.	4.4	48
2	An adaptive multiscale strategy for the damage analysis of masonry modeled as a composite material. Composite Structures, 2016, 153, 972-988.	5.8	43
3	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
4	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
5	Adaptive multiscale modeling of fiber-reinforced composite materials subjected to transverse microcracking. Composite Structures, 2014, 113, 249-263.	5.8	41
6	Non-linear macroscopic response of fiber-reinforced composite materials due to initiation and propagation of interface cracks. Engineering Fracture Mechanics, 2012, 80, 92-113.	4.3	38
7	An analytical investigation of debonding problems in beams strengthened using composite plates. Engineering Fracture Mechanics, 2007, 74, 346-372.	4.3	37
8	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
9	Nonlinear homogenized properties of defected composite materials. Computers and Structures, 2014, 134, 102-111.	4.4	36
10	Nonlinear effects in fracture induced failure of compressively loaded fiber reinforced composites. Composite Structures, 2018, 189, 688-699.	5.8	34
11	Influence of micro-cracking and contact on the effective properties of composite materials. Simulation Modelling Practice and Theory, 2008, 16, 861-884.	3.8	33
12	An investigation on microscopic and macroscopic stability phenomena of composite solids with periodic microstructure. International Journal of Solids and Structures, 2010, 47, 2806-2824.	2.7	27
13	A cohesive fracture model for predicting crack spacing and crack width in reinforced concrete structures. Engineering Failure Analysis, 2022, 139, 106452.	4.0	27
14	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
15	Multi-layer modeling of edge debonding in strengthened beams using interface stresses and fracture energies. Engineering Structures, 2016, 109, 26-42.	5.3	22
16	Effects of microfracture and contact induced instabilities on the macroscopic response of finitely deformed elastic composites. Composites Part B: Engineering, 2016, 107, 233-253.	12.0	20
17	Vulnerability analysis of bridge superstructures under extreme fluid actions. Journal of Fluids and Structures, 2020, 93, 102843.	3.4	16
18	Impact mitigation measures for bridges under extreme flood actions. Journal of Fluids and Structures, 2021, 106, 103381.	3.4	9

#	ARTICLE	IF	CITATIONS
19	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
20	Crack growth propagation modeling based on moving mesh method and interaction integral approach. Procedia Structural Integrity, 2020, 28, 1981-1991.	0.8	5
21	A 3D nonlinear static analysis of long-span cable stayed bridges. Annals of Solid and Structural Mechanics, 2013, 5, 15-34.	0.5	3
22	Edge Debonding Prediction in Beams Strengthened by FRP Composite Plates. Springer Series in Solid and Structural Mechanics, 2017, , 105-124.	0.2	2
23	Prediction of Microscopic Interface Crack Onset in Fiber-Reinforced Composites by Using a Multi-Scale Homogenization Procedure. Advanced Materials Research, 0, 875-877, 1032-1036.	0.3	1
24	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
25	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
26	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
27	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
28	Strategies to improve the structural integrity of tied-arch bridges affected by instability phenomena. Procedia Structural Integrity, 2020, 25, 454-464.	0.8	0
29	Macroscopic Stability Analysis in Periodic Composite Solids. Advanced Structured Materials, 2010, , 213-242.	0.5	0
30	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
31	Cracking behavior analysis of reinforced concrete structures by using a cohesive fracture model. Procedia Structural Integrity, 2022, 41, 598-609.	0.8	0