Nunziante Valoroso

List of Publications by Year
in descending order

20 papers	437 citations	687363 13 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	398 citing authors

#	Article	IF	Citations
1	A damage-mechanics-based approach for modelling decohesion in adhesively bonded assemblies. Engineering Fracture Mechanics, 2006, 73, 2774-2801.	4.3	68
2	Identification of mode-I cohesive parameters for bonded interfaces based on DCB test. Engineering Fracture Mechanics, 2013, 104, 56-79.	4.3	59
3	Characterization of a cohesive-zone model describing damage and de-cohesion at bonded interfaces. Sensitivity analysis and mode-I parameter identification. International Journal of Solids and Structures, 2010, 47, 1666-1677.	2.7	53
4	A return map algorithm for general isotropic elasto/visco-plastic materials in principal space. International Journal for Numerical Methods in Engineering, 2004, 60, 461-498.	2.8	37
5	A numerical strategy for finite element analysis of no-tension materials. International Journal for Numerical Methods in Engineering, 2000, 48, 317-350.	2.8	35
6	Consistent derivation of the constitutive algorithm for plane stress isotropic plasticity. Part I: Theoretical formulation. International Journal of Solids and Structures, 2009, 46, 74-91.	2.7	23
7	A novel fixture for measuring mode III toughness of bonded assemblies. Engineering Fracture Mechanics, 2015, 138, 1-18.	4.3	22
8	Limit state analysis of reinforced shear walls. Engineering Structures, 2014, 61, 127-139.	5.3	21
9	A cohesive zone model with rate-sensitivity for fast crack propagation. Mechanics Research Communications, 2014, 58, 82-87.	1.8	20
10	A novel shell element for nonlinear pushover analysis of reinforced concrete shear walls. Bulletin of Earthquake Engineering, 2015, 13, 2367-2388.	4.1	19
11	Solution procedures for J3 plasticity and viscoplasticity. Computer Methods in Applied Mechanics and Engineering, 2001, 191, 903-939.	6.6	16
12	Adhesive joint computations using cohesive zones. Applied Adhesion Science, 2013, 1, 8.	1.5	16
13	Consistent derivation of the constitutive algorithm for plane stress isotropic plasticity. Part II: Computational issues. International Journal of Solids and Structures, 2009, 46, 92-124.	2.7	13
14	A displacement-like finite element model for J2 elastoplasticity: Variational formulation and finite-step solution. Computer Methods in Applied Mechanics and Engineering, 1998, 155, 325-358.	6.6	11
15	A tangent–secant approach to rate-independent elastoplasticity: formulations and computational issues. Computer Methods in Applied Mechanics and Engineering, 1999, 179, 379-405.	6.6	9
16	Numerical simulations of crack propagation tests in adhesive bonded joints. Latin American Journal of Solids and Structures, 2012, 9, 1-13.	1.0	7
17	Graded damage in quasi–brittle solids. International Journal for Numerical Methods in Engineering, 2022, 123, 2467-2498.	2.8	3
18	Progressive Damage in Quasi-brittle Solids. Lecture Notes in Mechanical Engineering, 2020, , 408-418.	0.4	2

#	Article	IF	Citations
19	Use of cohesive zone models to design automotive bonded joints. International Journal of Automotive Composites, 2015, 1, 158.	0.1	1
20	Computational Analysis of Isotropic Plasticity Models. , 2005, , 173-200.		1