Carlo Sansour

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12194043/publications.pdf

Version: 2024-02-01

30 papers	562 citations	623734 14 h-index	610901 24 g-index
30 all docs	30 docs citations	30 times ranked	293 citing authors

#	Article	IF	Citations
1	An equilibriumâ€based formulation with nonlinear configuration dependent interpolation for geometrically exact 3D beams. International Journal for Numerical Methods in Engineering, 2022, 123, 444-464.	2.8	3
2	Local micromorphic non-affine anisotropy for materials incorporating elastically bonded fibres. Journal of the Mechanics and Physics of Solids, 2021, 156, 104576.	4.8	2
3	Geometrically exact planar Euler-Bernoulli beam and time integration procedure for multibody dynamics. Advanced Modeling and Simulation in Engineering Sciences, 2020, 7, .	1.7	0
4	Finite Strain Plasticity Formulations for Dynamic Beams With and Without Rotational Degrees of Freedom. Lecture Notes in Civil Engineering, 2018, , 142-151.	0.4	0
5	From 3-D to 1-D Generalised and Cosserat Continua for Structural Dynamics - Energy-Momentum Methods. Lecture Notes in Civil Engineering, 2018, , 30-40.	0.4	0
6	An energy-momentum co-rotational formulation for nonlinear dynamics of planar beams. Computers and Structures, 2017, 187, 50-63.	4.4	5
7	Long-term stable time integration scheme for dynamic analysis of planar geometrically exact Timoshenko beams. Journal of Sound and Vibration, 2017, 396, 144-171.	3.9	3
8	An energyâ€momentum method for inâ€plane geometrically exact Eulerâ€“Bernoulli beam dynamics. International Journal for Numerical Methods in Engineering, 2015, 102, 99-134.	2.8	16
9	Approaches to Generalized Continua. , 2012, , 85-179.		1
10	The modelling of fibre reorientation in soft tissue. Biomechanics and Modeling in Mechanobiology, 2009, 8, 359-370.	2.8	20
11	On a numerical implementation of a formulation of anisotropic continuum elastoplasticity at finite strains. Journal of Computational Physics, 2008, 227, 7643-7663.	3.8	21
12	A non-linear Cosserat continuum-based formulation and moving least square approximations in computations of size-scale effects in elasticity. Computational Materials Science, 2008, 41, 589-601.	3.0	14
13	On anisotropic flow rules in multiplicative elastoplasticity at finite strains. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 1294-1309.	6.6	14
14	On a formulation for anisotropic elastoplasticity at finite strains invariant with respect to the intermediate configuration. Journal of the Mechanics and Physics of Solids, 2007, 55, 2406-2426.	4.8	21
15	On free energy-based formulations for kinematic hardening and the decomposition F=fpfe. International Journal of Solids and Structures, 2006, 43, 7534-7552.	2.7	3
16	A formulation of anisotropic continuum elastoplasticity at finite strains. Part I: Modelling. International Journal of Plasticity, 2006, 22, 2346-2365.	8.8	43
17	Computational aspects of anisotropic finite strain plasticity based on the multiplicative decomposition. , 2006, , 270-270.		0
18	A time integration scheme with energyâ€“momentum conservation for a shell formulation with arbitrary geometric and material non-linearities. Computers and Structures, 2004, 82, 2753-2763.	4.4	3

#	Article	IF	Citations
19	On the design of energyâ€“momentum integration schemes for arbitrary continuum formulations. Applications to classical and chaotic motion of shells. International Journal for Numerical Methods in Engineering, 2004, 60, 2419-2440.	2.8	25
20	On the numerical implications of multiplicative inelasticity with an anisotropic elastic constitutive law. International Journal for Numerical Methods in Engineering, 2003, 58, 2131-2160.	2.8	21
21	Viscoplasticity based on additive decomposition of logarithmic strain and unified constitutive equations. Computers and Structures, 2003, 81, 1583-1594.	4.4	13
22	On the performance of enhanced strain finite elements in large strain deformations of elastic shells. Engineering Computations, 2003, 20, 875-895.	1.4	8
23	A Model of Finite Strain Viscoplasticity with an Anisotropic Elastic Constitutive Law. Lecture Notes in Applied and Computational Mechanics, 2003, , 107-135.	2.2	1
24	An energyâ€“momentum integration scheme and enhanced strain finite elements for the non-linear dynamics of shells. International Journal of Non-Linear Mechanics, 2002, 37, 951-966.	2.6	34
25	A model of finite strain viscoplasticity based on unified constitutive equations. Theoretical and computational considerations with applications to shells. Computer Methods in Applied Mechanics and Engineering, 2001, 191, 423-450.	6.6	13
26	On the dual variable of the logarithmic strain tensor, the dual variable of the Cauchy stress tensor, and related issues. International Journal of Solids and Structures, 2001, 38, 9221-9232.	2.7	22
27	On hybrid stress, hybrid strain and enhanced strain finite element formulations for a geometrically exact shell theory with drilling degrees of freedom. International Journal for Numerical Methods in Engineering, 1998, 43, 175-192.	2.8	28
28	Large strain deformations of elastic shells constitutive modelling and finite element analysis. Computer Methods in Applied Mechanics and Engineering, 1998, 161, 1-18.	6.6	28
29	The Cosserat surface as a shell model, theory and finite-element formulation. Computer Methods in Applied Mechanics and Engineering, 1995, 120, 1-32.	6.6	72
30	An exact finite rotation shell theory, its mixed variational formulation and its finite element implementation. International Journal for Numerical Methods in Engineering, 1992, 34, 73-115.	2.8	128