

Juan C Simo

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

1,622
citations

1039406

9
h-index

1473754

9
g-index

9
all docs

9
docs citations

9
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasi-incompressible finite elasticity in principal stretches. continuum basis and numerical algorithms. Computer Methods in Applied Mechanics and Engineering, 1991, 85, 273-310.	3.4	515
2	A new viscoelastic constitutive model for continuous media at finite thermomechanical changes. International Journal of Solids and Structures, 1996, 33, 3019-3034.	1.3	210
3	The Hamiltonian structure of nonlinear elasticity: The material and convective representations of solids, rods, and plates. Archive for Rational Mechanics and Analysis, 1988, 104, 125-183.	1.1	201
4	Anisotropic modelling and numerical simulation of brittle damage in concrete. International Journal for Numerical Methods in Engineering, 1995, 38, 3611-3633.	1.5	188
5	Mullins' effect and the strain amplitude dependence of the storage modulus. International Journal of Solids and Structures, 1992, 29, 1737-1751.	1.3	153
6	Assessment of Cap Model: Consistent Return Algorithms and Rate-Dependent Extension. Journal of Engineering Mechanics - ASCE, 1988, 114, 191-218.	1.6	122
7	On the rotated stress tensor and the material version of the Doyle-Ericksen formula. Archive for Rational Mechanics and Analysis, 1984, 86, 213-231.	1.1	91
8	Coupled stress-diffusion: Case II. Journal of the Mechanics and Physics of Solids, 1993, 41, 863-887.	2.3	72
9	Numerical formulations of elasto-viscoplastic response of beams accounting for the effect of shear. Computer Methods in Applied Mechanics and Engineering, 1984, 42, 301-330.	3.4	70