

Juan C Simo

List of Publications by Year in descending order

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9
papers

1,622
citations

1040056

9
h-index

1474206

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. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1991, 85, 273-310.	6.6	515
2	A new viscoelastic constitutive model for continuous media at finite thermomechanical changes. <i>International Journal of Solids and Structures</i> , 1996, 33, 3019-3034.	2.7	210
3	The Hamiltonian structure of nonlinear elasticity: The material and convective representations of solids, rods, and plates. <i>Archive for Rational Mechanics and Analysis</i> , 1988, 104, 125-183.	2.4	201
4	Anisotropic modelling and numerical simulation of brittle damage in concrete. <i>International Journal for Numerical Methods in Engineering</i> , 1995, 38, 3611-3633.	2.8	188
5	Mullins' effect and the strain amplitude dependence of the storage modulus. <i>International Journal of Solids and Structures</i> , 1992, 29, 1737-1751.	2.7	153
6	Assessment of Cap Model: Consistent Return Algorithms and Rate-Dependent Extension. <i>Journal of Engineering Mechanics - ASCE</i> , 1988, 114, 191-218.	2.9	122
7	On the rotated stress tensor and the material version of the Doyle-Ericksen formula. <i>Archive for Rational Mechanics and Analysis</i> , 1984, 86, 213-231.	2.4	91
8	Coupled stress-diffusion: Case II. <i>Journal of the Mechanics and Physics of Solids</i> , 1993, 41, 863-887.	4.8	72
9	Numerical formulations of elasto-viscoplastic response of beams accounting for the effect of shear. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1984, 42, 301-330.	6.6	70