Rodica Toader

List of Publications by Year
in descending order

16 papers	**432** citations	1163117 **8** h-index	1058476 **14** g-index
16 all docs	**16** docs citations	**16** times ranked	**206** citing authors

#	Article	IF	Citations
1	Quasistatic Crack Growth in Nonlinear Elasticity. Archive for Rational Mechanics and Analysis, 2005, 176, 165-225.	2.4	249
2	A MODEL FOR CRACK PROPAGATION BASED ON VISCOUS APPROXIMATION. Mathematical Models and Methods in Applied Sciences, 2011, 21, 2019-2047.	3.3	39
3	Periodic solutions of radially symmetric perturbations of Newtonian systems. Proceedings of the American Mathematical Society, 2012, 140, 1331-1341.	0.8	25
4	Fracture models for elasto-plastic materials as limits of gradient damage models coupled with plasticity: the antiplane case. Calculus of Variations and Partial Differential Equations, 2016, 55, 1.	1.7	22
5	Existence for constrained dynamic Griffith fracture with a weak maximal dissipation condition. Journal of the Mechanics and Physics of Solids, 2016, 95, 697-707.	4.8	21
6	Subharmonic solutions of Hamiltonian systems displaying some kind of sublinear growth. Advances in Nonlinear Analysis, 2017, 8, 583-602.	2.6	16
7	Rate-Independent Damage in Thermo-Viscoelastic Materials with Inertia. Journal of Dynamics and Differential Equations, 2018, 30, 1311-1364.	1.9	16
8	Quasistatic Crack Growth in Elasto-Plastic Materials: The Two-Dimensional Case. Archive for Rational Mechanics and Analysis, 2010, 196, 867-906.	2.4	15
9	On the Cauchy problem for the wave equation on time-dependent domains. Journal of Differential Equations, 2019, 266, 3209-3246.	2.2	9
10	Existence for elastodynamic Griffith fracture with a weak maximal dissipation condition. Journal Des Mathematiques Pures Et Appliquees, 2019, 127, 160-191.	1.6	6
11	Some remarks on a model for rate-independent damage in thermo-visco-elastodynamics. Journal of Physics: Conference Series, 2016, 727, 012009.	0.4	4
12	A lower semicontinuity result for a free discontinuity functional with a boundary term. Journal Des Mathematiques Pures Et Appliquees, 2017, 108, 952-990.	1.6	4
13	Elastodynamic Griffith fracture on prescribed crack paths with kinks. Nonlinear Differential Equations and Applications, 2020, 27, 1.	0.8	4
14	On the jerky crack growth in elastoplastic materials. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	1.7	1
15	Subharmonic Solutions of Weakly Coupled Hamiltonian Systems. Journal of Dynamics and Differential Equations, 0, , 1.	1.9	1
16	On the pure jump nature of crack growth for a class of pressure-sensitive elasto-plastic materials. Nonlinear Analysis: Theory, Methods & Applications, 2022, 214, 112539.	1.1	0