Albert Erkip

List of Publications by Year
in descending order

24 papers	214 citations	1040056 9 h-index	1058476 14 g-index
25 all docs	25 docs citations	25 times ranked	99 citing authors

#	Article	IF	Citations
1	Global existence and blow-up for a class of nonlocal nonlinear Cauchy problems arising in elasticity. Nonlinearity, 2010, 23, 107-118.	1.4	39
2	A higher-order Boussinesq equation in locally non-linear theory of one-dimensional non-local elasticity. IMA Journal of Applied Mathematics, 2008, 74, 97-106.	1.6	25
3	The Cauchy problem for a one-dimensional nonlinear elastic peridynamic model. Journal of Differential Equations, 2012, 252, 4392-4409.	2.2	18
4	Blow-up and global existence for a general class of nonlocal nonlinear coupled wave equations. Journal of Differential Equations, 2011, 250, 1448-1459.	2.2	17
5	Synchronous and Asynchronous Response in Dynamically Perturbed Proteins. Journal of Physical Chemistry B, 2021, 125, 729-739.	2.6	14
6	Global existence and blow-up of solutions for a general class of doubly dispersive nonlocal nonlinear wave equations. Nonlinear Analysis: Theory, Methods & Applications, 2013, 77, 82-93.	1.1	13
7	Derivation of the Camassa–Holm equations for elastic waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 956-961.	2.1	13
8	Instability and stability properties of traveling waves for the double dispersion equation. Nonlinear Analysis: Theory, Methods & Applications, 2016, 133, 1-14.	1.1	11
9	Existence and stability of traveling waves for a class of nonlocal nonlinear equations. Journal of Mathematical Analysis and Applications, 2015, 425, 307-336.	1.0	9
10	Local existence of solutions to the initial-value problem for one-dimensional strain-limiting viscoelasticity. Journal of Differential Equations, 2020, 269, 9720-9739.	2.2	9
11	The Cauchy problem for a class of two-dimensional nonlocal nonlinear wave equations governing anti-plane shear motions in elastic materials. Nonlinearity, 2011, 24, 1347-1359.	1.4	8
12	Convergence of a semi-discrete numerical method for a class of nonlocal nonlinear wave equations. ESAIM: Mathematical Modelling and Numerical Analysis, 2018, 52, 803-826.	1.9	7
13	A semi-discrete numerical method for convolution-type unidirectional wave equations. Journal of Computational and Applied Mathematics, 2021, 387, 112496.	2.0	7
14	Thresholds for global existence and blow-up in a general class of doubly dispersive nonlocal wave equations. Nonlinear Analysis: Theory, Methods & Applications, 2014, 95, 313-322.	1.1	6
15	Derivation of Generalized Camassa-Holm Equations from Boussinesq-type Equations. Journal of Nonlinear Mathematical Physics, 2016, 23, 314.	1.3	6
16	Numerical computation of solitary wave solutions of the Rosenau equation. Wave Motion, 2020, 98, 102618.	2.0	3
17	The Camassa-Holm equation as the long-wave limit of the improved Boussinesq equation and of a class of nonlocal wave equations. Discrete and Continuous Dynamical Systems, 2016, 36, 6101-6116.	0.9	3
18	Cauchy problem for a higher-order Boussinesq equation. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2040001-2040002.	0.2	2

#	Article	IF	Citations
19	Comparison of nonlocal nonlinear wave equations in the long-wave limit. Applicable Analysis, 2020, 99, 2670-2679.	1.3	2
20	Long-time existence of solutions to nonlocal nonlinear bidirectional wave equations. Discrete and Continuous Dynamical Systems, 2019, 39, 2877-2891.	0.9	2
21	On the convergence of the nonlocal nonlinear model to the classical elasticity equation. Physica D: Nonlinear Phenomena, 2021, 427, 133010.	2.8	0
22	On the decoupling of the improved Boussinesq equation into two uncoupled Camassa-Holm equations. Discrete and Continuous Dynamical Systems, 2017, 37, 3111-3122.	0.9	0
23	A semi-discrete numerical scheme for nonlocally regularized KdV-type equations. Applied Numerical Mathematics, 2022, 175, 29-39.	2.1	0
24	The Camassa-Holm approximation to the double dispersion equation for arbitrarily long times. Monatshefte Fur Mathematik, 0, , .	0.9	0