

Miguel A Alejo

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	On the Dynamics of Zero-Speed Solutions for Camassa-Holm-Type Equations. International Mathematics Research Notices, 2021, 2021, 6543-6585.	1.0	8
2	Stability and instability of breathers in the U(1) Sasa-Satsuma and nonlinear Schrödinger models*. Nonlinearity, 2021, 34, 3429-3484.	1.4	6
3	Modeling chemotaxis with nonstandard production/degradation mechanisms from Doebner-Goldin theory: Existence of solitary waves. Physica D: Nonlinear Phenomena, 2021, 426, 132989.	2.8	2
4	Review on the Stability of the Peregrine and Related Breathers. Frontiers in Physics, 2020, 8, .	2.1	9
5	On global solutions to some non-Markovian quantum kinetic models of Fokker-Planck type. Zeitschrift Fur Angewandte Mathematik Und Physik, 2020, 71, 1.	1.4	0
6	The Akhmediev breather is unstable. Sao Paulo Journal of Mathematical Sciences, 2019, 13, 391-401.	0.4	11
7	On the ill-posedness of the 5th-order Gardner equation. Sao Paulo Journal of Mathematical Sciences, 2019, 13, 383-390.	0.4	1
8	Nonlinear stability of Gardner breathers. Journal of Differential Equations, 2018, 264, 1192-1230.	2.2	14
9	Almost sharp nonlinear scattering in one-dimensional Born-Infeld equations arising in nonlinear electrodynamics. Proceedings of the American Mathematical Society, 2018, 146, 2225-2237.	0.8	13
10	On the variational structure of breather solutions I: Sine-Gordon equation. Journal of Mathematical Analysis and Applications, 2017, 453, 1111-1138.	1.0	22
11	Dynamics of complex-valued modified KdV solitons with applications to the stability of breathers. Analysis and PDE, 2015, 8, 629-674.	1.4	20
12	Collective coordinates theory for discrete soliton ratchets in the sine-Gordon model. Physical Review E, 2014, 90, 042922.	2.1	4
13	The Gardner equation and the L^2 -stability of the τ -soliton solution of the Korteweg-de Vries equation. Transactions of the American Mathematical Society, 2013, 365, 195-212.	0.9	24
14	Nonlinear Stability of MKdV Breathers. Communications in Mathematical Physics, 2013, 324, 233-262.	2.2	46
15	Discrete conservation laws and the convergence of long time simulations of the mkdv equation. Journal of Computational Physics, 2013, 235, 274-285.	3.8	11
16	Focusing mKdV Breather Solutions with Nonvanishing Boundary Condition by the Inverse Scattering Method. Journal of Nonlinear Mathematical Physics, 2012, 19, 119.	1.3	11
17	Well-posedness and stability results for the Gardner equation. Nonlinear Differential Equations and Applications, 2012, 19, 503-520.	0.8	7
18	Geometric Breathers of the mKdV Equation. Acta Applicandae Mathematicae, 2012, 121, 137-155.	1.0	9

#	ARTICLE	IF	CITATIONS
19	On the nonlinear stability of mKdV breathers. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 432001.	2.1	9
20	On the ill-posedness of the Gardner equation. Journal of Mathematical Analysis and Applications, 2012, 396, 256-260.	1.0	8
21	Global Solutions and Stability Properties of the 5th Order Gardner Equation. Journal of Dynamics and Differential Equations, 0, , 1.	1.9	0