Andrew Comech

List of Publications by Year
in descending order

20 papers	342 citations	840776 11 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	134 citing authors

#	Article	IF	Citations
1	Purely nonlinear instability of standing waves with minimal energy. Communications on Pure and Applied Mathematics, 2003, 56, 1565-1607.	3.1	68
2	Global Attractor for a Nonlinear Oscillator Coupled to the Klein–Gordon Field. Archive for Rational Mechanics and Analysis, 2007, 185, 105-142.	2.4	44
3	Symmetry and Dirac points in graphene spectrum. Journal of Spectral Theory, 2018, 8, 1099-1147.	0.8	30
4	Stability of Solitary Waves and Vortices in a 2D Nonlinear Dirac Model. Physical Review Letters, 2016, 116, 214101.	7.8	27
5	On global attraction to solitary waves. Klein–Gordon equation with mean field interaction at several points. Journal of Differential Equations, 2012, 252, 5390-5413.	2.2	21
6	On linear instability of solitary waves for the nonlinear Dirac equation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2014, 31, 639-654.	1.4	21
7	Weak attractor of the Klein-Gordon field in discrete space-time interacting with a nonlinear oscillator. Discrete and Continuous Dynamical Systems, 2013, 33, 2711-2755.	0.9	21
8	On spectral stability of the nonlinear Dirac equation. Journal of Functional Analysis, 2016, 271, 1462-1524.	1.4	19
9	Optional regularity of fourier integral operators with one-sided folds. Communications in Partial Differential Equations, 1999, 24, 1263-1281.	2.2	13
10	Vakhitov–Kolokolov and energy vanishing conditions for linear instability of solitary waves in models of classical self-interacting spinor fields. Nonlinearity, 2015, 28, 577-592.	1.4	13
11	Solitary Waves of a <inline-formula> <tex-math notation="LaTeX">$\mathcal {P}$</tex-math> </inline-formula><inline-formula> <tex-math notation="LaTeX">$\mathcal {T}$</tex-math> </inline-formula>-Symmetric Nonlinear Dirac Equation. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 67-75.	2.9	12
12	Nonlinear Instability of a Critical Traveling Wave in the Generalized Korteweg–de Vries Equation. SIAM Journal on Mathematical Analysis, 2007, 39, 1-33.	1.9	11
13	Asymptotic stability of solitary waves in generalized Gross–Neveu model. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2017, 34, 157-196.	1.4	11
14	Nonrelativistic Asymptotics of Solitary Waves in the Dirac Equation with Soler-Type Nonlinearity. SIAM Journal on Mathematical Analysis, 2017, 49, 2527-2572.	1.9	7
15	Solitary Waves in the Nonlinear Dirac Equation. Understanding Complex Systems, 2018, , 89-143.	0.6	5
16	Spectral stability of bi-frequency solitary waves in Soler and Dirac-Klein-Gordon models. Communications on Pure and Applied Analysis, 2018, 17, 1331-1347.	0.8	5
17	Spectral stability of small amplitude solitary waves of the Dirac equation with the Soler-type nonlinearity. Journal of Functional Analysis, 2019, 277, 108289.	1.4	3
18	Solutions with Compact Time Spectrum to Nonlinear Klein–Gordon and Schrödinger Equations and the Titchmarsh Theorem for Partial Convolution. Arnold Mathematical Journal, 2019, 5, 315-338.	0.4	3

#	Article	IF	Citations
19	Limiting absorption principle and virtual levels of operators in Banach spaces. Annales Mathematiques Du Quebec, 2022, 46, 161-180.	0.2	1
20	On Solutions with Compact Spectrum to Nonlinear Klein–Gordon and Schrödinger Equations. SIAM Journal on Mathematical Analysis, 2022, 54, 2128-2141.	1.9	0