

Alexander Ilich Komech

List of Publications by Year in descending order

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52
papers

939
citations

394421

19
h-index

454955

30
g-index

58
all docs

58
docs citations

58
times ranked

104
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-time asymptotics for the coupled Maxwell-Lorentz equations. Communications in Partial Differential Equations, 2000, 25, 559-584.	2.2	72
2	Effective Dynamics for a Mechanical Particle Coupled to a Wave Field. Communications in Mathematical Physics, 1999, 203, 1-19.	2.2	60
3	On Scattering of Solitons for the Klein-Gordon Equation Coupled to a Particle. Communications in Mathematical Physics, 2006, 268, 321-367.	2.2	51
4	On Asymptotic Stability of Kink for Relativistic Ginzburg-Landau Equations. Archive for Rational Mechanics and Analysis, 2011, 202, 213-245.	2.4	49
5	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
6	On Asymptotic Stability of Moving Kink for Relativistic Ginzburg-Landau Equation. Communications in Mathematical Physics, 2011, 302, 225-252.	2.2	40
7	Global Attraction to Solitary Waves for a Nonlinear Dirac Equation with Mean Field Interaction. SIAM Journal on Mathematical Analysis, 2010, 42, 2944-2964.	1.9	39
8	Soliton-Type Asymptotics for the Coupled Maxwell-Lorentz Equations. Annales Henri Poincare, 2004, 5, 1117-1135.	1.7	35
9	Rotating Charge Coupled to the Maxwell Field: Scattering Theory and Adiabatic Limit. Monatshefte Fur Mathematik, 2004, 142, 143-156.	0.9	34
10	Global attraction to solitary waves for Klein-Gordon equation with mean field interaction. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2009, 26, 855-868.	1.4	34
11	On global attraction to solitary waves for the Klein-Gordon field coupled to several nonlinear oscillators. Journal Des Mathematiques Pures Et Appliquees, 2010, 93, 91-111.	1.6	34
12	Scattering of solitons for the Schrödinger equation coupled to a particle. Russian Journal of Mathematical Physics, 2006, 13, 158-187.	1.5	32
13	Weighted energy decay for 3D Klein-Gordon equation. Journal of Differential Equations, 2010, 248, 501-520.	2.2	31
14	Scattering asymptotics for a charged particle coupled to the Maxwell field. Journal of Mathematical Physics, 2011, 52, .	1.1	31
15	On Transitions to Stationary States in One-Dimensional Nonlinear Wave Equations. Archive for Rational Mechanics and Analysis, 1999, 149, 213-228.	2.4	30
16	Quantum Mechanics: Genesis and Achievements. , 2013, , .		24
17	On asymptotic stability of stationary solutions to nonlinear wave and Klein-Gordon equations. Archive for Rational Mechanics and Analysis, 1996, 134, 227-248.	2.4	23
18	Breathers for a Relativistic Nonlinear Wave Equation. Archive for Rational Mechanics and Analysis, 2002, 165, 317-345.	2.4	22

#	ARTICLE	IF	CITATIONS
19	Dispersive decay for the magnetic Schrödinger equation. Journal of Functional Analysis, 2013, 264, 735-751.	1.4	21
20	On Eigenfunction Expansion of Solutions to the Hamilton Equations. Journal of Statistical Physics, 2014, 154, 503-521.	1.2	20
21	Attractors of Hamilton nonlinear PDEs. Discrete and Continuous Dynamical Systems, 2016, 36, 6201-6256.	0.9	20
22	Limiting Amplitude principle in the scattering by wedges. Mathematical Methods in the Applied Sciences, 2006, 29, 1147-1185.	2.3	18
23	Global Attractor for 1D Dirac Field Coupled to Nonlinear Oscillator. Communications in Mathematical Physics, 2020, 375, 573-603.	2.2	18
24	On Transitions to Stationary States in a Maxwell-Landau-Lifschitz-Gilbert System. SIAM Journal on Mathematical Analysis, 2000, 31, 346-374.	1.9	17
25	On the eigenfunction expansion for Hamilton operators. Journal of Spectral Theory, 2015, 5, 331-361.	0.8	17
26	Stationary Diffraction by Wedges. Lecture Notes in Mathematics, 2019, , .	0.2	17
27	Scattering of solitons of the Klein-Gordon equation coupled to a classical particle. Journal of Mathematical Physics, 2003, 44, 1202-1217.	1.1	16
28	On nonlinear wave equations with parabolic potentials. Journal of Spectral Theory, 2013, 3, 485-503.	0.8	16
29	On transitions to stationary states in Hamiltonian nonlinear wave equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 241, 311-322.	2.1	8
30	On uniqueness and stability of Sobolev's solution in scattering by wedges. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 2485-2498.	1.4	7
31	On the titchmarsh convolution theorem for distributions on the circle. Functional Analysis and Its Applications, 2013, 47, 21-26.	0.4	4
32	On the Lagrangian theory for rotating charge in the Maxwell field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 5-10.	2.1	4
33	Stabilization of statistics in wave and Klein-Gordon equations with mixing. Scattering theory for infinite energy solutions. Milan Journal of Mathematics, 1995, 65, 9-22.	0.1	3
34	On dynamical justification of quantum scattering cross section. Journal of Mathematical Analysis and Applications, 2015, 432, 583-602.	1.0	3
35	On the Linear Stability of Crystals in the Schrödinger-Poisson Model. Journal of Statistical Physics, 2016, 165, 246-273.	1.2	3
36	On global attractor of 3D Klein-Gordon equation with several concentrated nonlinearities. Dynamics of Partial Differential Equations, 2019, 16, 105-124.	0.9	3

#	ARTICLE	IF	CITATIONS
37	Well-posedness and the energy and charge conservation for nonlinear wave equations in discrete space-time. Russian Journal of Mathematical Physics, 2011, 18, 410-419.	1.5	2
38	On stability of ground states for finite crystals in the Schrödinger–Poisson model. Journal of Mathematical Physics, 2017, 58, 031902.	1.1	2
39	On invariants for the Poincaré equations and applications. Journal of Mathematical Physics, 2017, 58, .	1.1	2
40	On Orbital Stability of Ground States for Finite Crystals in Fermionic Schrödinger–Poisson Model. SIAM Journal on Mathematical Analysis, 2018, 50, 64-85.	1.9	1
41	Schrödinger’s Wave Mechanics. , 2013, , 35-55.		0
42	Asymptotic completeness of scattering in the nonlinear Lamb system for nonzero mass. Russian Journal of Mathematical Physics, 2017, 24, 336-346.	1.5	0
43	On global attractors and radiation damping for nonrelativistic particle coupled to scalar field. St Petersburg Mathematical Journal, 2018, 29, 249-266.	0.4	0
44	On the dispersion decay for crystals in the linearized Schrödinger–Poisson model. Journal of Mathematical Analysis and Applications, 2018, 464, 864-882.	1.0	0
45	Dispersive Decay. , 2021, , 178-191.		0
46	Numerical Simulation of Solitons. , 2021, , 170-177.		0
47	Global Attraction to Stationary Orbits. , 2021, , 91-113.		0
48	Global Attraction to Stationary States. , 2021, , 13-76.		0
49	Adiabatic Effective Dynamics of Solitons. , 2021, , 166-169.		0
50	Global Attraction to Solitons. , 2021, , 77-90.		0
51	Asymptotic Stability of Stationary Orbits and Solitons. , 2021, , 114-165.		0
52	Attractors and Quantum Mechanics. , 2021, , 192-199.		0