Luca Fanelli

List of Publications by Year
in descending order

		567281	580821
47 papers	722 citations	15 h-index	25 g-index
48 all docs	48 docs citations	48 times ranked	214 citing authors

#	Article	IF	Citations
1	Eigenvalue bounds for non-selfadjoint Dirac operators. Mathematische Annalen, 2022, 383, 621-644.	1.4	5
2	Localization of eigenvalues for non-self-adjoint Dirac and Klein–Gordon operators. Nonlinear Analysis: Theory, Methods & Applications, 2022, 214, 112565.	1.1	2
3	Mass propagation for electromagnetic Schrödinger evolutions. Nonlinear Analysis: Theory, Methods & Applications, 2022, 217, 112734.	1.1	1
4	Spectral enclosures for the damped elastic wave equation. Mathematics in Engineering, 2022, 4, 1-10.	0.9	1
5	Dispersive estimates for 2D-wave equations with critical potentials. Advances in Mathematics, 2022, 400, 108333.	1.1	5
6	Hankel transforms and weak dispersion. MATRIX Book Series, 2021, , 787-796.	0.2	0
7	Stability and instability of breathers in the U(1) Sasa–Satsuma and nonlinear Schrödinger models*. Nonlinearity, 2021, 34, 3429-3484.	1.4	6
8	Eigenvalue bounds and spectral stability of Lamé operators with complex potentials. Journal of Differential Equations, 2021, 298, 528-559.	2.2	3
9	Improved Hardy-Rellich inequalities. Communications on Pure and Applied Analysis, 2021, .	0.8	3
10	Review on the Stability of the Peregrine and Related Breathers. Frontiers in Physics, 2020, 8, .	2.1	9
11	Absence of Eigenvalues of Dirac and Pauli Hamiltonians via the Method of Multipliers. Communications in Mathematical Physics, 2020, 379, 633-691.	2.2	15
12	On the improvement of the Hardy inequality due to singular magnetic fields. Communications in Partial Differential Equations, 2020, 45, 1202-1212.	2.2	6
13	The Akhmediev breather is unstable. Sao Paulo Journal of Mathematical Sciences, 2019, 13, 391-401.	0.4	11
14	Uniqueness results for Zakharov-Kuznetsov equation. Communications in Partial Differential Equations, 2019, 44, 504-544.	2.2	6
15	Location of eigenvalues of three-dimensional non-self-adjoint Dirac operators. Letters in Mathematical Physics, 2019, 109, 1473-1485.	1.1	12
16	Weak dispersive estimates for fractional Aharonov-Bohm-Schrödinger groups. Dynamics of Partial Differential Equations, 2019, 16, 95-103.	0.9	1
17	Frequency-dependent time decay of Schrödinger flows. Journal of Spectral Theory, 2018, 8, 509-521.	0.8	3
18	Spectral stability of Schrödinger operators with subordinated complex potentials. Journal of Spectral Theory, 2018, 8, 575-604.	0.8	28

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19	Absence of eigenvalues of two-dimensional magnetic Schrödinger operators. Journal of Functional Analysis, 2018, 275, 2453-2472.	1.4	18
20	Dispersive estimates for the Dirac equation in an Aharonov–Bohm field. Journal of Differential Equations, 2017, 263, 4382-4399.	2.2	13
21	Gaussian decay of harmonic oscillators and related models. Journal of Mathematical Analysis and Applications, 2017, 456, 214-228.	1.0	4
22	Spherical Schrödinger Hamiltonians: Spectral Analysis and Time Decay. Springer INdAM Series, 2017, , 135-151.	0.5	0
23	Sharp Hardy uncertainty principle and gaussian profiles of covariant Schrödinger evolutions. Transactions of the American Mathematical Society, 2015, 367, 2213-2233.	0.9	11
24	Time Decay of Scaling Invariant Electromagnetic Schrödinger Equations on the Plane. Communications in Mathematical Physics, 2015, 337, 1515-1533.	2.2	21
25	Resolvent and Strichartz estimates for elastic wave equations. Applied Mathematics Letters, 2015, 49, 33-41.	2.7	5
26	Improved time-decay for a class of scaling critical electromagnetic Schrödinger flows. Journal of Functional Analysis, 2015, 269, 3336-3346.	1.4	9
27	Relativistic Hardy Inequalities in Magnetic Fields. Journal of Statistical Physics, 2014, 154, 866-876.	1.2	1
28	On the lack of dispersion for a class of magnetic Dirac flows. Journal of Evolution Equations, 2013, 13, 89-106.	1.1	4
29	The lack of compactness in the Sobolev–Strichartz inequalities. Journal Des Mathematiques Pures Et Appliquees, 2013, 99, 309-320.	1.6	8
30	Hardy uncertainty principle and unique continuation properties of covariant Schrödinger flows. Journal of Functional Analysis, 2013, 264, 2386-2415.	1.4	13
31	Time Decay of Scaling Critical Electromagnetic Schrödinger Flows. Communications in Mathematical Physics, 2013, 324, 1033-1067.	2.2	42
32	*A priori* estimates for the Helmholtz equation with electromagnetic potentials in exterior domains. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2013, 143, 1-19.	1.2	7
33	Carleman estimates and necessary conditions for the existence of waveguides. Indiana University Mathematics Journal, 2012, 61, 15-30.	0.9	2
34	Existence of maximizers for Sobolev–Strichartz inequalities. Advances in Mathematics, 2012, 229, 1912-1923.	1.1	24
35	Virial identity and weak dispersion for the magnetic Dirac equation. Journal Des Mathematiques Pures Et Appliquees, 2011, 95, 137-150.	1.6	22
36	Semilinear Hamiltonian Schroedinger systems. International Journal of Dynamical Systems and Differential Equations, 2011, 3, 401.	0.0	6

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37	COUNTEREXAMPLES TO STRICHARTZ ESTIMATES FOR THE MAGNETIC SCHRÃ–DINGER EQUATION. Communications in Contemporary Mathematics, 2011, 13, 213-234.	1.2	18
38	On the existence of maximizers for a family of restriction theorems. Bulletin of the London Mathematical Society, 2011, 43, 811-817.	0.8	23
39	Endpoint Strichartz estimates for the magnetic Schrödinger equation. Journal of Functional Analysis, 2010, 258, 3227-3240.	1.4	71
40	Semilinear Schrödinger equation with time dependent coefficients. Mathematische Nachrichten, 2009, 282, 976-994.	0.8	6
41	Non-trapping magnetic fields and Morrey–Campanato estimates for Schrödinger operators. Journal of Mathematical Analysis and Applications, 2009, 357, 1-14.	1.0	21
42	Magnetic virial identities, weak dispersion and Strichartz inequalities. Mathematische Annalen, 2009, 344, 249-278.	1.4	34
43	Smoothing estimates for the Schrödinger equation with unbounded potentials. Journal of Differential Equations, 2009, 246, 4552-4567.	2.2	14
44	Strichartz and Smoothing Estimates for Dispersive Equations with Magnetic Potentials. Communications in Partial Differential Equations, 2008, 33, 1082-1112.	2.2	85
45	On the blow-up threshold for weakly coupled nonlinear Schrödinger equations. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 14139-14150.	2.1	31
46	Decay estimates for the wave and Dirac equations with a magnetic potential. Communications on Pure and Applied Mathematics, 2007, 60, 357-392.	3.1	40
47	L p -Boundedness of the Wave Operator for the One Dimensional Schrödinger Operator. Communications in Mathematical Physics, 2006, 268, 415-438.	2.2	52