

# Benoît Gröbert

## List of Publications by Year in descending order

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36  
papers

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citations

687363

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642732

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g-index

37  
all docs

37  
docs citations

37  
times ranked

160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducibility of Schrödinger Equation on the Sphere. International Mathematics Research Notices, 2021, 2021, 15082-15120.	1.0	9
2	Long-Time Existence for Semi-linear Beam Equations on Irrational Tori. Journal of Dynamics and Differential Equations, 2021, 33, 1363-1398.	1.9	6
3	Long Time Dynamics for Generalized Korteweg-de Vries and Benjamin-Ono Equations. Archive for Rational Mechanics and Analysis, 2021, 241, 1139-1241.	2.4	8
4	Rational Normal Forms and Stability of Small Solutions to Nonlinear Schrödinger Equations. Annals of PDE, 2020, 6, 1.	1.8	11
5	LONG TIME BEHAVIOR OF THE SOLUTIONS OF NLW ON THE $d$ -DIMENSIONAL TORUS. Forum of Mathematics, Sigma, 2020, 8, .	0.7	13
6	Reducibility of Schrödinger equation on a Zoll manifold with unbounded potential. Journal of Mathematical Physics, 2020, 61, .	1.1	10
7	On reducibility of quantum harmonic oscillator on $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{\Delta} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mi} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ with quasiperiodic in time potential. Annales De La Faculté Des Sciences De Toulouse, 2019, 28, 977-1014.	0.3	13
8	Stable and unstable time quasi periodic solutions for a system of coupled NLS equations. Nonlinearity, 2018, 31, 4776-4811.	1.4	3
9	Reducibility of the quantum harmonic oscillator in $d$ -dimensions with polynomial time-dependent perturbation. Analysis and PDE, 2018, 11, 775-799.	1.4	55
10	KAM for the nonlinear beam equation. Geometric and Functional Analysis, 2016, 26, 1588-1715.	1.8	74
11	A KAM theorem for space-multidimensional Hamiltonian PDEs. Proceedings of the Steklov Institute of Mathematics, 2016, 295, 129-147.	0.3	0
12	KAM for the Klein Gordon equation on $\mathbb{S}^d$ . Bolletino Dell Unione Matematica Italiana, 2016, 9, 237-288.	1.0	27
13	Stability of Large Periodic Solutions of Klein-Gordon Near a Homoclinic Orbit. Journal of Nonlinear Science, 2015, 25, 371-388.	2.1	1
14	Dynamics of Klein-Gordon on a compact surface near a homoclinic orbit. Discrete and Continuous Dynamical Systems, 2014, 34, 3485-3510.	0.9	1
15	Existence and stability of ground states for fully discrete approximations of the nonlinear Schrödinger equation. Numerische Mathematik, 2013, 123, 461-492.	1.9	13
16	Beating effects in cubic Schrödinger systems and growth of Sobolev norms. Nonlinearity, 2013, 26, 1361-1376.	1.4	12
17	A Nekhoroshev-type theorem for the nonlinear Schrödinger equation on the torus. Analysis and PDE, 2013, 6, 1243-1262.	1.4	36
18	Resonant dynamics for the quintic nonlinear Schrödinger equation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2012, 29, 455-477.	1.4	29

#	ARTICLE	IF	CITATIONS
19	Hamiltonian Interpolation of Splitting Approximations for Nonlinear PDEs. Foundations of Computational Mathematics, 2011, 11, 381-415.	2.5	20
20	KAM for the Quantum Harmonic Oscillator. Communications in Mathematical Physics, 2011, 307, 383-427.	2.2	71
21	On the energy exchange between resonant modes in nonlinear Schrödinger equations. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2011, 28, 127-134.	1.4	16
22	Birkhoff normal form for splitting methods applied to semilinear Hamiltonian PDEs. Part II. Abstract splitting. Numerische Mathematik, 2010, 114, 459-490.	1.9	26
23	Birkhoff normal form for splitting methods applied to semilinear Hamiltonian PDEs. Part I. Finite-dimensional discretization. Numerische Mathematik, 2010, 114, 429-458.	1.9	25
24	Quasi-invariant modified Sobolev norms for semi linear reversible PDEs. Nonlinearity, 2010, 23, 429-443.	1.4	8
25	Normal Forms for Semilinear Quantum Harmonic Oscillators. Communications in Mathematical Physics, 2009, 291, 763-798.	2.2	38
26	Le problème infrarouge pour l'électron habillé non relativiste dans un champ magnétique. Comptes Rendus Mathématique, 2008, 346, 1045-1050.	0.3	0
27	The dressed mobile atoms and ions. Journal Des Mathematiques Pures Et Appliquees, 2006, 86, 177-200.	1.6	18
28	The dressed nonrelativistic electron in a magnetic field. Mathematical Methods in the Applied Sciences, 2006, 29, 1121-1146.	2.3	5
29	A note on gaps of Hill's equation. International Mathematics Research Notices, 2004, 2004, 2703.	1.0	6
30	KdV & KAM ergebnisse der mathematik und ihrer grenzgebiete 3. Mathematical Intelligencer, 2004, 26, 76-77.	0.2	2
31	Local Density Approximations for the Energy of a Periodic Coulomb Model. Mathematical Models and Methods in Applied Sciences, 2003, 13, 1185-1217.	3.3	10
32	Symmetries of the nonlinear Schrödinger equation. Bulletin De La Societe Mathematique De France, 2002, 130, 603-618.	0.2	8
33	KAM Theorem for the Nonlinear Schrodinger Equation. Journal of Nonlinear Mathematical Physics, 2001, 8, 133.	1.3	0
34	Utilization of deformations in molecular quantum chemistry and application to density functional theory. International Journal of Quantum Chemistry, 1998, 68, 221-231.	2.0	19
35	High- and low-energy estimates for the Dirac equation. Journal of Mathematical Physics, 1995, 36, 991-1015.	1.1	11
36	Birkhoff normal forms for Hamiltonian PDEs in their energy space. Journal De L'Ecole Polytechnique - Mathematiques, 0, 9, 681-745.	0.0	1