PUBLICATIONS


$F_{\sigma\delta}$-sections of Borel sets, Fundamenta Math., 107 (1980), 129–133.

Borel sets with $F_{\sigma\delta}$-sections, Fundamenta Math., 107 (1980), 149–159.


Nouvelles propriétés des espaces $L^1/H^1_0$ et $H^\infty$, Séminaire d’Analyse Fonctionnelle, Ecole Polytechnique, Palaiseau, 1980-81, Exp. 3.


A counterexample to a complementation problem, Compositio Math, 43 (1981), 133–144.


[54] New Banach space properties of the disc algebra and $H^\infty$, Proceedings Special Year in Analysis, University of Connecticut, in Springer Lecture Notes in Mathematics 995, 8–13, 1983.


[204] (with A. Jaffe, W. Wang), Invariant Gibbs measures for the 2D nonlinear wave equation, preprint.


[216] Construction of eigenfunction basis on the sphere $S_2$, preprint.


Pseudo-randomness and arithmetic combinatorics, Shaw Prize lecture essay (2010).


[383] *Finitely supported measures on SL_2(\mathbb{R}) which are absolutely continuous at infinity*, Springer Lecture Notes in Mathematics 2050, 133–141 (2012).


(with A. Bulut) Gibbs measure evolution in radial nonlinear wave and Schrödinger equations on the ball, CRAS, Paris 350 (2012), no. 11-12, 571–575.


[418] (with D. Li) On an endpoint Kato-Ponce inequality, Differential integral Equations 27 (2014), no. 11-12, 1037–1072.


[422] (with A. Bulut) Almost sure global well posedness for the radial nonlinear Schrödinger equation on the unit ball II: the 3D case, JEMS 16 (2014), no. 6, 1289–1325.


An application of group expansion to the Anderson-Bernoulli model, GAFA (2014), Issue 1, 49–62.


(with M. Korobkov, J. Kristensen) On the Morse-Sard property and level sets of $W^{n,1}$ Sobolev functions on $\mathbb{R}^n$, J. Reine Angew. Math. 700 (2015), 93–112.


(with E. Bombieri) A problem on sums of two squares, (IMRN, online).


(with C. Demeter) *Decouplings for curves and hypersurfaces with nonzero Gaussian curvature*, arXiv:1409.1634.


(with C. Demeter) *\( l^p \) decouplings for hypersurfaces with nonzero Gaussian curvature*, arXiv:1407.0291.

*Decoupling inequalities and some Mean-value theorems*, arXiv:1406.7862.

(with Z. Dvir, E. Leeman) *Affine extractors over large fields with exponential error*, arXiv:1401.6189.


*On the Fourier-Walsh spectrum of the Moebius function II*, (submitted to J. Analyse Math.)

(with N. Watt) *Decoupling for perturbed cones and mean square for \( |\zeta(\frac{1}{2} + it)| \)*, arxiv 1505.04161.

*On uniformly bounded basis in spaces of holomorphic functions*, arxiv 1506.05694.

(with A. Gamburd, P. Sarnak) *Markoff triples and strong approximation*, arxiv 1505.06411.


*On a paper of Kowalski and Sawin on Kloosterman paths*, preprint.
