

PUBLICATIONS

- [1] *Strongly exposed point in weakly compact convex sets in Banach spaces*, Proc. Amer. Math. Soc., 58 (1976), 197-200.
- [2] *On dentability and the Bishop-Phelps property*, Israel J. Math., 28 (1977), 265-271.
- [3] *Pointwise compact sets of Baire-measurable functions* (with D.H. Fremlin and M. Talagrand), Amer. J. Math., 100 (1978), 845-886.
- [4] *A geometrical characterization of the Radon-Nikodym property in Banach spaces*, Compositio Math., 36 (1978), 3-6.
- [5] *Quotient maps on $C(K)$ spaces* (with F. Delbaen), Bulletin Soc. Math. de Belgique, 30, Sér. B (1978), 111-119.
- [6] *A note on extreme points in duals*, Bull. Soc. Math. de Belgique, 30, Sér. B (1978), 89-91.
- [7] *Un espace \mathcal{L}^∞ jouissant de la propriété de Schur et de la propriété de Radon-Nikodym*, Séminaire d'Analyse Fonctionnelle, Ecole Polytechnique, Palaiseau, 1978-79, Exp. IV.
- [8] *Un espace non Radon-Nikodym sans arbre diadique*, Séminaire d'Analyse Fonctionnelle, Ecole Polytechnique, Palaiseau, 1978-79, Exp. 23.
- [9] *Décompositions in the product of a measure space and a Polish space*, Fundamenta Math., 105 (1979), 61-71.
- [10] *A note on the Lebesgue spaces of vector-valued functions*, Bull. Soc. Math. de Belgique, 31, Sér. B (1979), 45-47.
- [11] *The Szlenk index and operators on $C(K)$ -spaces*, Bull. Soc. Math. de Belgique, 31, Sér. B (1979), 87-117.
- [12] *La propriété de Banach-Saks ne passe pas de E à L_E^2* , Séminaire d'Analyse Fonctionnelle, Ecole Polytechnique, Palaiseau, 1979-80, Exp. 8.
- [13] *Complémentation de sous-espaces L^1 dans les espaces L^1* , Séminaire d'Analyse Fonctionnelle, Ecole Polytechnique, Palaiseau, 1979-80, Exp. 27.
- [14] *La propriété de Radon-Nikodym*, Publications Mathématiques de l'Université Pierre et Marie Curie, N° 36, 1979-1980.
- [15] *A class of special \mathcal{L}^∞ spaces* (with F. Delbaen), Acta Mathematica, 145 (1980), 155-176.
- [16] *A result on operators on $C[0, 1]$* , Journal of Operator Theory, 3 (1980), 287-299.
- [17] *Dunford-Pettis operators on L^1 and the Radon-Nikodym property*, Israel J. Math., 37 (1980), 34-47.
- [18] *Martingales valued in certain subspaces of L^1* (with H.P. Rosenthal), Israel J. Math. 37 (1980), 53-75.
- [19] *On separable Banach spaces, universal for all separable reflexive spaces*, Proc. Amer. Math. Soc. 79 (1980), 241-246.

- [20] *Compacité extrémale* (with M. Talagrand), Proc. Amer. Math. Soc., 80 (1980), 68-70.
- [21] *$F_{\sigma\delta}$ -sections of Borel sets*, Fundamenta Math., 107 (1980), 129-133.
- [22] *Borel sets with $F_{\sigma\delta}$ -sections*, Fundamenta Math., 107 (1980), 149-159.
- [23] *Sets with the Radon-Nikodym property in conjugate Banach spaces*, Studia Math., 66 (1980), 291-297.
- [24] *Dentability and finite dimensional decompositions*, Studia Math., 67 (1980), 135-148.
- [25] *Geometrical implications of certain finite dimensional decompositions* (with H.P. Rosenthal), Bull. Soc. Math. de Belgique, 32, Sér. B (1980), 57-82.
- [26] *Remarks on the double dual of a Banach space*, Bull. Soc. Math. de Belgique, 32, Sér. B (1980), 171-178.
- [27] *On convergent sequences of continuous functions*, Bull. Soc. Math. de Belgique, 32, Sér. B (1980), 235-250.
- [28] *Sous-espaces \mathcal{L}^p invariants par translations sur le groupe de Cantor*, Comptes Rendus Académie Sc. Paris, T. 291, Sér. A (1980), 39-40.
- [29] *Sur les isomorphismes entre espaces H^1* , Comptes Rendus Académie Sc. Paris, T. 291, Sér. A (1980), 111-112.
- [30] *Espaces \mathcal{L}^1 ne vérifiant pas la propriété de Radon-Nikodym*, Comptes Rendus Académie Sc. Paris, T. 291, Sér. A (1980), 343-345.
- [31] *Unicité de certaines bases inconditionnelles*, Séminaire d'Analyse Fonctionnelle, Ecole Polytechnique, Palaiseau, 1980-81, Exp. 4.
- [32] *Nouvelles propriétés des espaces L^1/H_0^1 et H^∞* , Séminaire d'Analyse Fonctionnelle, Ecole Polytechnique, Palaiseau, 1980-81, Exp. 3.
- [33] *Classical Banach Spaces and Spaces of Analytic Functions*, Belgium Alumni Publication, 1980.
- [34] *An ordinal L^p -index for Banach spaces, with applications to complemented subspaces of L^p* (with H.P. Rosenthal) and G. Schechtman), Annals of Math., 114 (1981), 193-228.
- [35] *A counterexample to a complementation problem*, Compositio Math, 43 (1981), 133-144.
- [36] *A new class of \mathcal{L}^1 -spaces*, Israel J. Math., 39 (1981), 113-126.
- [37] *On the Dunford-Pettis property*, Proc. Amer. Math. Soc., 81 (1981), 265-272.
- [38] *A stabilization property and its applications in the theory of sections*, Fundamenta Math., 112 (1981), 25-44.
- [39] *A remark on finite dimensional P_λ -spaces*, Studia Math., 72 (1981), 87-91.
- [40] *On trigonometric series in super-reflexive spaces*, J. London Math. Soc., 24 (1981), 165-174.

- [41] *Normes absolument sommantes et sous-espaces ℓ^∞* , Comptes Rendus Académie Sc. Paris, Sér. A (1981), 719-721.
- [42] *Sur les projections dans H^∞ et la propriété de Grothendieck*, Comptes Rendus Académie Sc. Paris, T. 293, Sér. A (1981), 47-49.
- [43] *Opérateurs sommants sur l'algèbre du disque*, Comptes Rendus Académie Sc. Paris, T. 293, Sér. A (1981), 677-680.
- [44] *New Classes of \mathcal{L}^p Spaces*, Springer Lectures Notes in Mathematics, 889 (1981).
- [45] *A Hardy inequality in Sobolev spaces*, Preprint, Vrije Universiteit Brussels.
- [46] *A problem about p - and q -completeness*, Colloquium Math., 54 (1981), 175-178.
- [47] *The non-isomorphism of H^1 -spaces in one and several variables*, Journal of Functional Analysis, 46 (1982), 45-57.
- [48] *Translation invariant complemented subspaces of L^p* , Studia Math. 75 (1982), 95-101.
- [49] *On characters in B -convex spaces*, Pacific J. Math. 100 (1982), 94-101.
- [50] *H^∞ is a Grothendieck space*, Studia Math., 75 (1982), 193-216.
- [51] *Prolongement de L^1 dans l'espace L^1/H^1* , Comptes Rendus Académie Sc. Paris, T.294 (1982), 633-636.
- [52] *Quelques propriétés linéaires topologiques de l'espace des séries de Fourier uniformément convergentes*, Publications Université Pierre et Marie Curie (1982/83), N° 14.
- [53] *The non-isomorphism of H^1 -spaces in a different number of variable*, Bull. Soc. Math. de Belgique, 35, Sér. B(1983), 127-136.
- [54] *New Banach space properties of the disc algebra and H^∞* , Proceedings Special Year in Analysis, University of Connecticut, in Springer Lecture Notes in Mathematics, Vol. 995, 8-13, 1983.
- [55] *Embedding L^1 in L^1/H^1* , Trans. Amer. Math. Soc., 278 (1983), 689-702.
- [56] *Some remarks on Banach spaces in which martingale difference sequences are unconditional*, Arkiv fr Matematik, 21 (1983), 163-168.
- [57] *Propriétés de décomposition pour les ensembles de Sidon*, Bull. Soc. Math. de France, 111 (1983), 421-428.
- [58] *On weak completeness of the dual of spaces of analytic and smooth functions*, Bull. Soc. Math. de Belgique, 35, Sér. B (1983), 11-118.
- [59] *Sur les ensembles d'interpolation pour les mesures discrètes*, Comptes Rendus Académie Sc. Paris, T. 296, Sér. A (1983), 149-151.
- [60] *Une remarque sur les ensembles stationnaires*, Publication Math. d'Orsay, 83-101, Exp. 2, 1983.
- [61] *Sur les sommes de sinus*, Publication Math. d'Orsay, 83-101, Exp. 3, 1983.
- [62] *On the primarity of H^∞ spaces*, Israel J. Math. 45 (1982), 229-236.

- [63] *On the approximation properties for the space H^∞* , (en collaboration avec O. Reinov), University of Stockholm, Report N° 11 (1983), Mathematische Nachrichten.
- [64] *New Banach space properties of certain spaces of analytic functions*. Proceedings International Congress of Mathematicians, Warszawa, 1983, 945-952.
- [65] *Applications of the theory of semi-embeddings to Banach space theory*, (en collaboration avec H.P. Rosenthal), Journal of Functional Analysis, 52 (1983), 149-188.
- [66] *A construction of \mathcal{L}^∞ -spaces and related Banach spaces*, (en collaboration avec G. Pisier), Bul. Soc. Matem. Sao-Paulo, 14 (1983), 109-123.
- [67] *On non-isomorphisms of algebras of analytic functions*, Proc. Leipzig Conference on Operator Theory, 1983.
- [68] *A result on the isomorphic embeddability of $\ell^1(\tau)$* (en collaboration avec S. Argyros et T. Zachariades), Studia Math. 78 (1984) 77-91.
- [69] *Extension of a result of Benedek, Calderon and Panzone*, Arkiv fr Matematik, 22 (1984), 91-95.
- [70] *New Banach space properties of the disc algebra and H^∞* , Acta Math., 152 (1984), 1-48.
- [71] *On bases in the disc algebra*, Trans. Amer. Math. Soc., 285 (1984), 133-139.
- [72] *Bilinear forms on H^∞ and bounded bianalytic functions*, Trans. Amer. Math. Soc., 286 (1984), 313-337.
- [73] *On the Dunford-Pettis property for the ball-algebras, the polydisc algebras and the Sobolev spaces*, Studia Math. (Volume dedicated to J. Mikusinski), 77 (1984), 245-253.
- [74] *ℓ^1 -sequences generated by Sidon sets*, J. London Math. Soc., 29 (1984), 283-288.
- [75] *On martingale transforms infinite dimensional lattices with an appendix on the K -convexity constant*, Mathematische Nachrichten (Volume dedicated to A. Pietsch), 119 (1984) 41-53.
- [76] *Some properties of sets satisfying $A(E) = B_0(E)$* , Bull. Soc. Math. de Belgique, 36, Sér. B (1984), 171-191.
- [77] *The dimension conjecture for the polydisc algebras*, Israel J. Math., 48 (1984), 289-304.
- [78] *Sur le minimum de certaines sommes de cosinus*, Publication Math. d'Orsay, 84-101, Exp. 2, 1984.
- [79] *Some remarks on the Banach space structure of the ball algebras*, Proceedings Missouri Conference 1984, Springer Lecture Notes in Mathematics 1166, 1985.
- [80] *Sidon sets and Riesz products*, Annales Fourier, 35 (1985), 137-148.
- [81] *Applications of the spaces of homogeneous polynomials to some problems on the ball algebra*, Proc. Amer. Math. Soc., 93 (1985), 277-283.
- [82] *Banach spaces with a unique unconditional basis, up to permutation*, (en collaboration avec P.G. Casazza, J. Lindenstrauss et L. Tzafriri), Memoirs of the Amer. Math. Soc. N°222 (1985), 1-111.

- [83] *On finitely generated closed ideals in $H^\infty(D)$* , Annales Fourier, T 35, Fasc 4 (1985), 163-174.
- [84] *On Lipschitz embedding of finite metric spaces in Hilbert space*, Israel J. of Math., Vol. 52, N° 1-2 (1985), 46-52.
- [85] *Some results on the bidisc algebra*, Astérisque Soc. Math. de France (Volume dedicated to L. Schwartz), N 131, 279-298, 1985.
- [86] *On square functions on the trigonometric system*, Bull. Soc. Math. de Belgique, Sér. B., (1985), 20-26.
- [87] *Sections euclidiennes et volume des corps symétriques convexes dans R^n* , (en collaboration avec V. Milman). CR Acad Sc. Paris, t. 300, Sér 1. N°13, 1985, 435-438.
- [88] *Estimations de certaines fonctions maximales*, CR Acad Sc. Paris, t. 301, Sér 1, N°10, 1985, 499-502.
- [89] *A problem of Douglas and Rudin on Factorization*, Pacific J. Math. 121, 47-50, 1986.
- [90] *Distances between finite dimensional normed spaces, their subspaces and quotient spaces*, (en collaboration avec V. Milman), J. Integral Eqs. and Operator Th., Vol. 9, 1986, 31-46.
- [91] *Sur le minimum d'une somme de cosinus*. Acta Arithmetica, Vol. 45, N°4 (1986), 381-389.
- [92] *Real isomorphic Banach spaces need not be complex isomorphic*. Proc. AMS, Vol. 96, N°2 (1986), 221-226.
- [93] *On the dichotomy problem for tensor algebras*, Trans AMS, Vol. 293, N°2 (1986), 793-798.
- [94] *Martingale transforms and complex uniform convexity* (en collaboration avec W.J. Davis). Trans AMS 294 (1986), 501-515.
- [95] *On type of metric spaces*, (en collaboration avec V. Milman, H. Wolfson) Trans AMS, Vol. 294, N°1 (1986), 295-317.
- [96] *Translation invariant forms on $L^p(G)$, $1 < p < \infty$* , Annales Fourier, T 36, Fasc 1 (1986), 97-104.
- [97] *On the similarity problem for polynomially bounded operators on Hilbert space*, Israel J. Math., Vol. 54, N°2 (1986), 227-241.
- [98] *On the L^p -bounds for maximal functions associated to convex bodies in R^n* , Israel J. Math., Vol. 54, N°3 (1986), 257-265.
- [99] *A direct proof of van der Vaart's theorem*, (en collaboration avec H. Sato). Studia Math. 86 (1986), 125-131.
- [100] *A Szemerédi type theorem for sets of positive density in R^k* , Israel J. Math., Vol. 54, N°3 (1986), 307-316.
- [101] *On Hilbertian subsets of finite metric spaces*, (en collaboration avec V. Milman, T. Figiel). Israel J. Math. Vol. 55, N°2 (1986), 147-152.

- [102] *Vector-Valued Singular Integral and the H^1 -BMO Duality*, Probability Theory and Harmonic Analysis (ed. J. Chao, W. Woźczynski), Marcel Dekker (1986), Ch I, 1-19.
- [103] *Subspaces of L_N^∞ , arithmetical diameter and Sidon sets. Probability in Banach Spaces V*, Proc. Medford 1984, Springer Lecture Notes in Mathematics 1153 (1986), 96-127.
- [104] *On high dimensional maximal functions associated to convex bodies*, American J. Math. 108 (1986), 1467-1476.
- [105] *Averages in the plane over convex curves and maximal operators*, Journal d'Analyse, Vol. 47, 69-85, 1986.
- [106] *The metrical interpretation of superreflexivity in Banach spaces*, Israel J. Math. Vol. 56, N°2 (1986), 222-229.
- [107] *Geometry of Banach Spaces and Harmonic Analysis*, Proc. ICM Berkeley 1986, 871-878.
- [108] *On the Hausdorff dimension of harmonic measure in higher dimension*, Inventiones Math. 87(1987), 477-483.
- [109] *A remark on entropy on abelian groups and the invariant uniform approximation property*, Studia Math. 86 (1987), 79-84.
- [110] *New volume ratio properties for convex symmetric bodies in R^n* , (en collaboration avec V. Milman). Inventiones Math. 88 (1987), 319-340.
- [111] *Invertibility of "large" submatrices with applications to the geometry of Banach Spaces and Harmonic Analysis*, (en collaboration avec L. Tzafriri) Israel J. Math., Vol. 57, N°2 (1987), 137-224.
- [112] *Ruzsa's problem on sets of recurrence*, Israel J. Math., Vol. 59 N°2 (1987), 150-166.
- [113] *Théorèmes ergodiques ponctuels pour certains ensembles arithmétiques*, C.R.A. Sc. Paris t. 305, Sér.1 (1987), 397-402.
- [114] *Construction of sets of positive measure not containing an affine image of a given infinite structure*, Israel J. Math., Vol. 60, N°3 (1987), 333-344.
- [115] *Remarks on the extension of Lipschitz maps defined on discrete sets and uniform homeomorphism*, Geometrical Aspects of Functional Analysis (ed. by J. Lindenstrauss, V.D. Milman) Springer Lecture Notes in Mathematics 1267 (1987), 157-167.
- [116] *A density condition for analyticity of the restriction algebra*, Geometrical Aspects of Functional Analysis (Ed. by Lindenstrauss, V.D. Milman), Springer Lecture Notes in Mathematics 1267 (1987), 151-156.
- [117] *Complements of subspaces of ℓ_p^n ; $p \geq 1$ which are uniquely determined*, (en collaboration avec L. Tzafriri). Geometrical Aspect of Functional Analysis ((Ed. by Lindenstrauss, V.D. Milman) , Springer Lecture Notes in Mathematics 1267 (1987), 29-52.

- [118] *On lattice packing of convex symmetric sets in R^n* , Geometrical Aspects of Functional Analysis (Ed. by Lindenstrauss, V.D. Milman), Springer Lecture Notes in Mathematics 1267 (1987), 5-12.
- [119] *On dimension free maximal inequalities for convex symmetric bodies in R^n* , Geometrical Aspects of Functional Analysis (Ed. by Lindenstrauss, V.D. Milman), Springer Lecture Notes in Mathematics 1267 (1987), 168-176.
- [120] *Vector-valued Hausdorff-Young inequalities and applications*, Geometrical Aspects of Functional Analysis (Ed. by Lindenstrauss, V.D. Milman), Springer Lecture Notes in Mathematics 1267 (1987), 239-249.
- [121] *On finite dimensional homogeneous Banach spaces*, Geometrical Aspects of Functional Analysis (Ed. by Lindenstrauss, V.D. Milman), Springer Lecture Notes in Mathematics 1267 (1987), 232-238.
- [122] *Minkowski sums and symmetrizations*, (en collaboration avec J. Lindenstrauss, V. Milman) Geometrical Aspects of Functional Analysis (Ed. by Lindenstrauss, V.D. Milman), Springer Lecture Notes in Mathematics 1267 (1987), 44-66.
- [123] *An approach to pointwise ergodic theorem*, Geometrical Aspects of Functional Analysis (Ed. by Lindenstrauss, V.D. Milman), Springer Lecture Notes in Mathematics 1267 (1987), 204-223.
- [124] *Projection bodies*, (en collaboration avec J. Lindenstrauss), Geometrical Aspects of Functional Analysis (Ed. by Lindenstrauss, V.D. Milman), Springer Lecture Notes in Mathematics 1267 (1987), 250-270.
- [125] *On a geometric inequality*, (en collaboration avec M. Meyer, V. Milman, A. Pajor), Geometrical Aspects of Functional Analysis (Ed. by Lindenstrauss, V.D. Milman), Springer Lecture Notes in Mathematics 1267 (1987), 271-282.
- [126] *A nonlinear version of Roth's theorem for sets of positive density in the real line*, J. d'Analyse de Jérusalem., Vol. 50 (1988), 169-181.
- [127] *A remark on the uncertainty principle for Hilbertian basis*, J. Functional Analysis. 78 (1988), 136-143.
- [128] *Almost sure convergence and bounded entropy*, Israel J. Math., Vol. 63 (1988), 79-97.
- [129] *On the maximal ergodic theorem for certain subsets of the integers*, Israel J. Math. 61 (1988), 39-72.
- [130] *On the pointwise ergodic theorem on L^p for arithmetic sets*, Israel J. Math. 61 (1988), 73-84.
- [131] *Nouveaux résultats sur les zonoïdes et les corps de projection*, (en collaboration avec J. Lindenstrauss) CRASC Paris, 306, Sér 1(1988), 377-380.
- [132] *Temps de retour pour des systèmes dynamiques*. CR A Sc. Paris, t. 306, Sér. 1 (1988), 483-485.
- [133] *Return time sequences*, Preprint IHES 1988 (65p).
- [134] *The Banach-Mazur distance to the cube and the Dvoretzky-Rogers factorization*, (en collaboration avec J. Szarek) Israel J. Math. Vol. 62, N°2 (1988), 169-180.

- [135] *Approximation of zonoids by zonotypes*, (en collaboration avec J. Lindenstrauss et V.D. Milman), Acta Math., 162 (1989), n 1-2, 73–141.
- [136] *Pointwise ergodic theorems for arithmetic sets*, Publication Math IHES 69 (1989), 5-45.
- [137] *On the Kolmogorov rearrangement problem and Garcia’s conjecture*, Springer Lecture Notes in Mathematics 1376 (1989), 209-250.
- [138] *Bernstein widths of Sobolev Spaces*, (en collaboration avec M. Gromov). Springer Lecture Notes in Mathematics 1376 (1989), 176-185.
- [139] *On the best constants in the Littlewood-Paley inequality*, Springer Lecture Notes in Mathematics 1376 (1989), 202-208.
- [140] *A remark on the maximal function associated to an analytic vector field in the plane*, London Math Soc LNS, 137 (Proc. Special Year in Analysis, Univ. of Illinois.), 1989, 111-133.
- [141] *Restricted invertibility of matrices and applications*, (en collaboration avec L. Tzafriri) London Math Soc LNS, 138 (Proc. Special Year in Analysis, Univ. of Illinois.), 1989, 61-107
- [142] *Distribution of points on spheres and approximation by zonotopes*, (en collaboration avec J. Lindenstrauss). Israel J. Math., 64 (1989), 25-31.
- [143] *On \wedge_p -subsets of squares*, Israel J. Math., 67 (1989), 291-311.
- [144] *On the duality problem for entropy numbers of operators*, (with A. Pajor, S. Szarek, N. Tomczak-Jaegermann) in “Geometric aspects of Functional Analysis”, Springer Lecture Notes in Mathematics 1376 (1989), 50-63.
- [145] *Estimates related to Steiner symmetrizations*, (with J. Lindenstrauss, V. Milman), in in “Geometric aspects of Functional Analysis”, Springer Lecture Notes in Mathematics 1376 (1989), 264-273.
- [146] *Almost Euclidean sections in spaces with a symmetric basis*, (with J. Lindenstrauss), in “Geometric aspects of Functional Analysis”, Springer Lecture Notes in Mathematics 1376 (1989), 278-287.
- [147] *Homogeneous polynomials on the ball and polynomial bases*, Israel J. Math., 68 (1989), 327-347.
- [148] *Bounded orthogonal systems and the \wedge^p -set problem*. Acta Math. Vol. 162 (1989), 227-245.
- [149] *Geometry of finite dimensional subspaces and quotients of L^p , (I)* (en collaboration avec N. Kalton et L. Tzafriri), Springer Lecture Notes in Mathematics 1376 (1989), 138-175.
- [150] *Almost sure convergence in Ergodic Theory*, in “Almost Everywhere Convergence”, Proc. International Conf. on Almost everywhere convergence in Probability and Ergodic Theory, Columbus, Ohio 1989 Academic Press, 145-152.
- [151] *Embedding ℓ_p^k in subspaces of L_p for $p > 2$* , (en collaboration avec L. Tzafriri), Israel J. Math. Vol. 72 (1990), 221-240.

- [152] *Double recurrence and almost sure convergence* , Crelles Journal, 404 (1990), 140-161.
- [153] *The Riesz-Raikov theorem for algebraic numbers* , L. Piatetski-Shapiro festshrift, IMCP, Vol. 3, 1990, 1-46.
- [154] *On arithmetic progressions in sums of sets of integers*, in A tribute to Paul Erdős, ed by Baker, Bollobás, Hajnal, Cambridge UP, 105-110 (1990).
- [155] *Gradients of harmonic functions* , with (T. Wolff), Colloquium Math, Volume dedicated to A. Zygmund, Vol. 60-61 (1990), 253-260.
- [156] *Problems of almost everywhere convergence related to harmonic analysis and number theory* , Israel J. Math., 71 (1990), 97-127.
- [157] *On the distribution of polynomials on high dimensional convex sets* , Springer Lecture Notes in Mathematics 1469 (1991), 127-137.
- [158] *Remarks on Montgomery's conjectures on Dirichlet sums* , Springer Lecture Notes in Mathematics 1469 (1991), 153-165.
- [159] *On a problem of Kadison and Singer*, (en collaboration avec L. Tzafriri), Crelle's Journal 420 (1991), 1-43.
- [160] *On covering a set in R^n by balls of the same diameter* , Springer Lecture Notes in Mathematics 1469 (1991), 138-144.
- [161] *On Busemann-Petty problem for perturbations of the ball* , "Geometric and Functional Analysis", (GAFA) Vol. I , N° 1, 1-13, 1991.
- [162] *Besicovitch type maximal operators and applications to Fourier analysis* , in "Geometric and Functional Analysis", (GAFA) Vol. I, N° 2, 147-187, 1991.
- [163] *On the restriction and multiplier problem in R^3* , Springer Lecture Notes in Mathematics 1469 (1991), 179-191.
- [164] *Estimates on oscillatory integrals in higher dimension*, Geometric and functional Analysis Vol. 1, N° 4 (1991), 321-374.
- [165] *The influence of variables in Product spaces* , with J. Kahn, G. Kalai, Y. Katznelson and N. Linial), Israel J. Math., Vol. 77, N° 1-2, 1992, 55-64.
- [166] *A remark on Schrödinger operators*, Israel J. Math. Vol. 77, N° 1-2, 1992, 1-16.
- [167] *On the behaviour of L^p -multipliers and the range of operators acting on L^p spaces*, Israel J. Math., 79 (1992), 193-206.
- [168] *Some consequences of Pisier's interpolation method*, Israel J, Vol. 77, N° 1-2, 1992, 165-186.
- [169] *Approximation of euclidean ball by sums of equal length line segments*, J. Computational and Discrete Math., 9 (1993), 131-144.
- [170] *Exponential sums of returntime sequences*, IHES preprint (1993).
- [171] *Convergence of ergodic averages on lattice random walks*, Illinois J. Math., 37, N4 (1993), 624-626.

- [172] *On the spectral type of Ornstein's class one transformations*, Israel J. Math., 84, N1-2 (1993), 53-63.
- [173] *On the distribution of Dirichlet sums*, , J. d'Analyse, Volume dedicated to S. Mandelbrot, Vol. 60 (1993), 21-32.
- [174] *On the radial variation of bounded analytic functions on the disc*, Duke MJ, Vol. 69, N° 3 (1993), 671-682.
- [175] *Restriction phenomena for lattice subsets and applications to nonlinear evolution equations I*, Schrödinger equations, Geometric and Functional Analysis, Vol. 3, N° 2 (1993), 107-156.
- [176] *Restriction phenomena for lattice subsets and applications to nonlinear evolution equations II*, The KdV-Equation, Vol. 3, N° 3 (1993), 209-262.
- [177] *Exponential sums and nonlinear Schrödinger equations*, Geometric and Functional Analysis, Vol. 3, N° 2 (1993), 157-178.
- [178] *On the Cauchy Problem for the Kadomtsev-Petviashvili equation*, Geometric and Functional Analysis, Vol. 3, N4 (1993), 315-341.
- [179] *Eigenfunction bounds for the Laplacian on the n -torus*, Int. Math. Res. Notices, Vol. 3 (1993), 61-66.
- [180] *Eigenfunction bounds for compact manifolds with integral geodesic flow*, preprint IHES (1993).
- [181] *Some results on non-linear recurrence* , (with Bergelson and Boshneritzan), J. d'Analyse, V. 62 (1994), 29-46.
- [182] *A harmonic analysis approach to problems in nonlinear partial differential equations*, Proc. European Congress Math, Progress in Mathematics 119 (1994), 423-444 (Vol. I).
- [183] *Approximation of Solutions of the cubic NLS by Finite-Dimensional Equations and nonsqueezing properties*, Intern. Math. Res. Notices (1994), N2, 79-90.
- [184] *Periodic nonlinear Schrödinger equation and Invariant Measures*, CMP Vol. 166, N1 (1994), 1-26.
- [185] *On the Cauchy and invariant measure problem for the periodic Zakharov system*, Duke Math. J., Vol. 76 (1994), 175-202.
- [186] *Construction of Quasi-periodic solutions for Hamiltonian perturbations of linear equations and applications to nonlinear PDE*, Intern. Math. Res. Not. (1994), N11, 475-497.
- [187] *Hausdorff dimension and distance sets*, Israel JM 87 (1994), 193-202.
- [188] *On the Cauchy problem for periodic KdV type equations*, Fourier Anal. and Appl., Proc. Conf. J.P. Kahane, (Special Issue), 1995, 17-86.
- [189] *Estimates for Cone Multipliers: Operator Theory, Advances and Applications*, Vol. 77 (1995), 41-60.
- [190] *Some new estimates on oscillatory integrals* , Essays on Fourier Analysis in Honor of E. Stein, Princeton Univ. Press 42 (1995), 82-112.

- [191] *Aspects of long time behaviour of solutions of nonlinear Hamiltonian evolution equations*, GAFA, Vol. 5, N2 (1995), 107-140.
- [192] *Uniqueness and free interpolation for logarithmic potentials and the Cauchy problem for the Laplace equation in \mathbf{R}^2* , (with A.Aleksandrov, M.Giesecke, V.Havin, Y.Vymenets), GAFA, Vol. 5, N3 (1995), 529-571.
- [193] *Remarks on Halasz-Montgomery Type Inequalities*, Operator Theory, Advances and Applications, Vol. 77 (1995), 25-39.
- [194] *Construction of periodic solutions of nonlinear wave equations in higher dimension*, GAFA, Vol. 5, 1995, 629-639.
- [195] *Harmonic Analysis and nonlinear partial differential equations*, Proc. ICM (1994), Zurich, Birkhauser (1995), 31-44.
- [196] *Gibbs measures and quasi-periodic solutions for nonlinear Hamiltonian partial differential equations*, The Gelfand Math. Seminars, 1993-1995, 23-43, Birkhäuser, 1996.
- [197] (with P. Bleher), *Distribution of the error term for the number of lattice points inside a shifted ball*, The Analytic Number Theory, Proc. of a conference in honor of H. Halberstam, Vol. 1, 141-153, Birkhäuser 1996.
- [198] *Construction of approximative and almost periodic solutions of perturbed linear Schrödinger and wave equations*, GAFA, Vol. 6, no 2 (1996) 201-230.
- [199] *On the growth in time of higher Sobolev norms of smooth solutions of Hamiltonian PDE*, IMRN, 1996, N 6, 277-304.
- [200] (with J. Colliander), *On wellposedness of Zakharov systems*, IMRN 11 (1996), 515-546.
- [201] Appendix to Klainerman-Machedon paper: "Remark on Strichartz-Type Inequalities", IMRN, N 5, 1996, 212-215.
- [202] *Spherical summation and uniqueness of multiple trigonometric series*, IMRN 1996, no. 3, 93-107.
- [203] *Invariant measures for the 2D-defocusing nonlinear Schrödinger equation*, CMP, 176 (1996), 421-445.
- [204] (with A. Jaffe, W. Wang), *Invariant Gibbs measures for the 2D nonlinear wave equation*, preprint.
- [205] *Estimates related to sumfree subsets of sets of integers*, Israel J Math. 97 (1997), 71-92.
- [206] (with Gil Kalai), *Influence of variables and threshold intervals under group symmetries*, GAFA, Vol. 7, N3 (1997), 438-461.
- [207] *On the Compactness of the Support of Solutions of Dispersive Equations*, IMRN, N9 (1997), 437-447.
- [208] *On Melnikov's persistency problem*, Math. Research Letters, 4 (1997), 445-458.
- [209] *Periodic Korteweg De Vries Equation with Measures as Initial Data*, Selecta Math. New Series, Vol. 3 (1997), 115-150.

- [210] *On growth in time of Sobolev norms of smooth solutions of nonlinear Schrödinger equations in \mathbb{R}^d* , J. d'Analyse Math. 72 (1997), 299-310.
- [211] *Gibbs measures, quasi-periodic solutions and nonlinear partial differential equations*, in "The Legacy of Norbert Wiener: A centennial symposium", Proc. Symp. in Pure Math. Vol. 60 (1997), 53–63.
- [212] *Invariant measures for the Gross Piatevskii equation*, J. Math. Pures et Appliquées, (9) 76 (1997), n. 8, 649-702.
- [213] *Analysis results and problems related to lattice points on surfaces*, Contemporary Math. (ded. to V. Shapiro), Vol. 208 (1997), 85-109.
- [214] (with F. Golse, B. Wennberg), *On distribution of free path lengths for the periodic Lorentz gas*, CMP, 190 (1998), n. 3, 491-508.
- [215] *Refinements of Strichartz' inequality and applications to 2D-NLS with critical nonlinearity*, IMRN, 1998, no. 5, 253-283.
- [216] *Construction of eigenfunction basis on the sphere S_2* , preprint.
- [217] *Hamiltonian methods in nonlinear evolution equations*, Fields Medalists' lectures, 542-554, World Sci. Ser. 20th Century Math., 5, World Sci. Publishing, River Edge, NJ, 1997.
- [218] (with W. Wang) *Construction of blowup solutions for the nonlinear Schrödinger equation with critical nonlinearity*, Dedicated to Ennio De Giorgi. Ann. Scuola Norm. Sup. Pisa Cl. Sci (4), Vol. XXV (1997), pp. 197-215.
- [219] *Quasi-periodic solutions of Hamiltonian perturbations of 2D linear Schrödinger equations*, Annals of Math., 148 (1998), 363-439.
- [220] *Scattering in the energy space and below for 3D NLS*, J. d'Analyse Mathématique, Vol. 75 (1998), 267-297.
- [221] *On nonlinear Schrödinger equations*, Les relations entre les mathématiques et la physique théorique, 11-21, IHES, Bures-sur-Yvette, 1998.
- [222] *Nonlinear Schrödinger equations*, Hyperbolic equations and frequency interactions (Park City, UT, 1995), 3-157, IAS/Park City Math. Ser. 5, Amer. Math. Soc., Providence, RI, 1999.
- [223] *Global wellposedness of defocusing critical nonlinear Schrödinger equation in the radial case*, J. Amer. Math. Soc., Volume 12, N. 1 (1999), 145-171.
- [224] *On sharp thresholds of monotone properties*, appendix to Necessary and sufficient conditions for sharp thresholds of graph properties, and the k -sat problem, by E. Friedgut, J. Amer. Math. Soc. 12, (1999), no. 4, 1017-1054.
- [225] *Random points in isotropic convex bodies*, in Convex Geometric Analysis (Berkeley, CA, 1996), 53-58, MSRI Publications, Vol. 34 (1999).
- [226] (with G. Zhang), *On a generalization of the Busemann-Petty problem*, in Convex Geometric Analysis (Berkeley, CA 1996), 65-76, MSRI Publications, Vol. 34 (1999).
- [227] *Periodic solutions of nonlinear wave equations*, Harmonic analysis and partial differential equations (Chicago, IL, 1996), 69–97, Chicago Lectures in Math., University of Chicago Press, 1999.

- [228] *Growth of Sobolev norms in linear Schrödinger equations with quasi-periodic potential*, Commun. Math. Phys. 204, 207-247 (1999).
- [229] *Global Solutions of Nonlinear Schrödinger Equations*, American Mathematical Society, Colloquium Publications, Vol. 46, 1999.
- [230] *On the dimension of Kakeya sets and related maximal inequalities*, GAFA, Geom. Funct. Anal. Vol.9 (1999), 256-282.
- [231] *On the growth of Sobolev norms in linear Schrödinger equations with smooth time dependent potential*, J. d'Analyse Math. 77 (1999), 315-348.
- [232] *On triples in arithmetic progression*, Geom. Funct. Anal. 9 (1999), no. 5, 968–984.
- [233] *Harmonic Analysis and combinatorics: How much may they contribute to each other?* Mathematics: frontiers and perspectives, 13–32, Amer. Math. Soc., Providence, RI, 2000.
- [234] *On large values estimates for Dirichlet polynomials and the density hypothesis for the Riemann zeta function*, Internat. Math. Res. Notices 2000, no. 3, 133–146.
- [235] *Invariant measures for NLS in infinite volume*, CMP 210, 605-620 (2000).
- [236] *On diffusion in high-dimensional Hamiltonian systems and PDE*, J.Anal. Math. 80 (2000), 1–35,
- [237] (jointly with H. Brezis and P. Mironescu), *Lifting in Sobolev spaces*, J. Anal. Math. 80 (2000), 37–86.
- [238] (jointly with H. Brezis and P. Mironescu), *On the structure of the Sobolev space $H^{1/2}$ with values into the circle*, C.R. Acad. Sci. Paris Sér. I Math. 331 (2000), no 2, 119–124.
- [239] *Hölder regularity of Integrated density of states for the Almost Mathieu Operator in a Perturbed regime*; Letters in Math. Physics 51:83–118 (2000).
- [240] (jointly with M. Goldstein) *On nonperturbative localization with quasi-periodic potential*, Annals of Math. (2) 152 (2000), no. 3, 835–879.
- [241] *Problems in Hamiltonian PDE's*, GAFA (Tel Aviv, 1999). Geom. Funct. Anal. 2000, Special Volume, Part I, 32–56.
- [242] *Visions in Mathematics. Towards 2000*, Proceedings of the meeting held at Tel-Aviv University. Edited by J. Bourgain, A. Connes, M. Gromov and V. Milman, GAFA, Special Volume, Part I, II.
- [243] (jointly with W. Schlag), *Anderson localization for Schrödinger operators on \mathbb{Z} with strongly mixing potentials*, Comm. Math. Phys. 215 (2000), no 1, 143–175.
- [244] (jointly with S. Jitomirskaya), *Anderson localization for the Band Model*, Geometric aspects of functional analysis, 67–79, Lecture Notes in Math., 1745, 2000.
- [245] *Positive Lyapounov exponents for most energies*, Geometric aspects of functional analysis, 37–66, Lecture Notes in Math., 1745, 2000.
- [246] (jointly with S. Kostyukovsky, A. Oleviskii) *A remark on a maximal operator for Fourier multipliers*, Real Anal. Exchange 26 (2000/01), no 2, 991-994.

- [247] *On the distribution of Dirichlet sums, II*, Number theory for the Millenium, I (Urbana, IL, 2000) 87–109, A K Peters, Natick, MA, 2002.
- [248] (jointly with M. Goldstein and W. Schlag), *Anderson localization for Schrödinger operators on \mathbb{Z} with potentials given by the skew shift*, Comm. Math. Phys, 220 (2001), no. 3, 583–621.
- [249] (jointly with H. Brezis and P. Mironescu) *Another look at Sobolev spaces in ‘Optimal control and Partial Differential equations’*; 439–455, IOS Press (2001).
- [250] *Lambda-P sets in analysis: Results, problems and related aspects*, preprint, handbook of Geometry of Banach spaces, Vol. 1, 195–232, Elsevier (2001).
- [251] (jointly with F. Bethuel, H. Brezis and G. Orland) *$W^{1,p}$ estimates for solutions to the Ginzburg-Landau equation with boundary data in $H^{1/2}$* , CR Acad. Sc. Paris, 333 (2001), no 12, 1069–1076.
- [252] (jointly with M. Goldstein and W. Schlag), *Anderson localization for Schrödinger operators on \mathbb{Z}^2 with quasi-periodic potential*, Acta Math., Vol. 188, 2002, 41–86.
- [253] (jointly with H. Brezis and P. Mironescu) *Limiting embedding theorems for $W^{s,p}$ when $s \uparrow 1$ and applications*, Journal d’Analyse 87 (2002), 77–101.
- [254] *On the spectrum of lattice Schrödinger operators with deterministic potential, I*, Journal d’Analyse 87 (2002), 37–75.
- [255] *On the spectrum of Lattice Schrödinger operators with deterministic potential, II*, Journal d’Analyse, Vol. 88 (2002), 221–254.
- [256] *Estimates on Green’s functions, localization and the quantum kicked rotor model*, Annals of Math 156 (2002), no 1, 249–294.
- [257] (jointly with H. Brezis) *On the equation $\operatorname{div} Y = f$ and application to control of phases*, JAMS, Vol. 16, no 2, (2002), 393–426.
- [258] *On the distribution of the Fourier spectrum of Boolean functions*, Israel J. Math 131 (2002), 269–276.
- [259] (jointly with S. Jitomirskaya) *Absolutely continuous spectrum for 1D quasi-periodic operators*, Inventiones Math. 148 (2002), no 3, 453–463.
- [260] (jointly with H. Brezis) *Sur l’équation $\operatorname{div} u = f$* , CR Acad Sc. Paris 334 (2002) no 11, 973–976.
- [261] *On Random Schrödinger operators on \mathbb{Z}^2* , Discrete and Continuous Dynamical Systems 8, (2002) no 1, 1–15.
- [262] *New results on the spectrum of lattice Schrödinger operators with applications*, Contemporary Mathematics, 307, AMS (2002) 27–38.
- [263] *Exposants de Lyapounov pour operateurs de Schrödinger discretes quasi-periodiques*, Cr Acad. Sc. Paris 335 (2002), no 6, 529–531
- [264] *On the global Cauchy problem for the nonlinear Schrödinger equation*, PNAS, November 26, 2002, Vol. 99, no 24, 15262–15268.
- [265] (jointly with S. Jitomirskaya) *Continuity of the Lyapounov exponent for quasiperiodic operators with analytic potential*. Dedicated to David Ruelle and Yasha Sinai

on the occasion of their 65th birthdays, *J. Statist. Phys.* 108 (2002), no 5-6, 1203–1218.

- [266] (jointly with S. Jitomirskaya) *A non-perturbative theorem for the quantum kicked rotor*, (preprint 2002); paper in preparation.
- [267] (jointly with E. Lindenstrauss) *Entropy of quantum limits*, *Comm. Math. Physics* 233 (2003), 153–171.
- [268] *Random lattice Schrödinger operators with decaying potential: some higher dimensional phenomena*, Springer LNM, Vol 1807 (2003), 70–98.
- [269] *On the isotropy-constant problem for PSI 2 bodies*, Springer LNM, Vol 1807 (2003), 114–121.
- [270] *On long-time behaviour of solutions of linear Schrödinger equations with smooth time dependent potential*, Springer LNM, Vol 1807 (2003), 99–113.
- [271] *On the Erdos-Volkmann and Katz-Tao ring conjectures*, GAFA, Vol. 13 (2003), N2, 334–365.
- [272] (jointly with S. Konyagin) *Estimates for the number of sums and products and for exponential sums over subgroups*, *Comptes Rendus Académie Sc. Paris, Ser. I* 337(2003), 75–80.
- [273] (jointly with M. Chang) *On multiple sets of finite sets of integers*, *CR Acad. Sci, Paris* 337 (2003), no 8, 499–503.
- [274] (jointly with B. Klartag and V. Milman) *A reduction of the slicing problem to finite volume ratio bodies*, *CR Acad Sci, Paris* 336 (2003), no 4, 331–334.
- [275] *Remarks on stability and diffusion in high dimensional Hamiltonian systems and PDE's*, *ETDS* 24 (2004), no 5, 1331–1357.
- [276] *On localization for Schrödinger operators involving Bernoulli variables*, GAFA, 77-99, Lecture notes in Math. 1850, Springer, Berlin, 2004.
- [277] (jointly with H. Brezis and P. Mironescu) *$H^{1/2}$ maps with values into the circle: minimal connections, lifting and the Ginzburg-Landau equation*, *Publ. Math IHES*, Vol 99 (2004), 1–115.
- [278] *On quasi-periodic lattice Schrödinger operators*, *Discrete Contin. Dyn. System.* 10 (2004), no 1-2, 75–88.
- [279] (jointly with W-M. Wang) *Anderson localization for time quasi periodic random Schrödinger and wave equations*, *Commun. 248 Math. Phys.* 248 (2004), 429–466 (online).
- [280] (jointly with Katz, Tao) *A sum-product estimates in finite fields and application*, GAFA 14 (2004), no 1, 27–57.
- [281] (jointly with M. Chang) *On the size of k -fold sum and product sets of integers*, *JAMS* 17 (2004), no 2, 473–497.
- [282] (jointly with H. Brezis) *New estimates for the Laplacian, the div-curl, and related Hodge systems*, *CR Acad Sci, Paris, Ser I*, 338 (2004), 538–543.
- [283] *A remark on normal forms and the ‘I-method’ for Periodic NLS*, *J. Anal. Math.* Vol 94 (2004), 125–157.

- [284] *Recent progress on quasi-periodic lattice Schrödinger operators and Hamiltonian PDE's*, Uspekhi Mat. Nauk 59 (2004), no 2 (356), 37–52; translation in Russian Math Surveys 59 (2004), no 2, 231–246.
- [285] (jointly with E. Bombieri) *A remark on Bohr's inequality*, International Math. Res. Notices, NO. 80 (2004), 4307-4330.
- [286] *On invariant tori of full dimension for 1D periodic NLS*, Journal of functional Anal. 229 (2005), 62–94.
- [287] *New encounters in combinatorial number theory; from the Kekeya problem to cryptology*, Perspectives in Analysis, 17–26, Math. Phys. Stud. 27, Springer, Berlin (2005).
- [288] *Estimates on exponential sums related to Diffre-Hillman distributions*, GAFA 15 (2005), no 1, 1–34.
- [289] *Green's function estimates for lattice Schrödinger operators and applications*, Annals of Math. Studies, 158 (2005).
- [290] *Mordell's exponential sum estimate revisited*, Journal of the AMS, Volume 18, No 2, 477–499 (2005).
- [291] (jointly with H. Brezis and P. Mironescu) *Lifting, degree and distributional Jacobian revisited*, Comm. Pure Appl. Math. 58 (2005), no 4, 529–551.
- [292] *Positivity and continuity of the Lyapounov exponent for shifts on \mathbb{T}^d with arbitrary frequency vector*, Journal d'Analyse Mathématique, Vol. 96 (2005), 313–315.
- [293] (jointly with C. Kenig) *On localization in the continuous Anderson-Bernoulli model in higher dimension*, Inventiones Math. 161, 389–426 (2005).
- [294] (jointly with V. Kaloshin) *On diffusion in high dimensional Hamiltonian systems*, JFA 229 (2005), 1–61.
- [295] *Anderson-Bernoulli Models*, Moscow Mathematical Journal, Volume 5, No 3, 2005, 1–14.
- [296] *More on the sum-product phenomenon in prime fields and its applications*, Intern. Journal of Number Theory, Vol. 1, No. 1, (2005), 1–31.
- [297] *Estimation of certain exponential sums arising in complexity theory*, C.R. Acad. Sci. Paris. Ser I 340 (2005), 627–631.
- [298] (with H. Brezis and H-M. Nguyen) *A new estimate for the topological degree*, C.R. Acad. Sci. Paris, Ser I 340 (2005), 787–791.
- [299] *Exponential sum estimates over subgroups of Z_q^* , q arbitrary*, Journal d'Analyse Mathématique, Vol. 97 (2005), 317–355.
- [300] (jointly with A. Glibichuk and S. Konyagin) *Estimates for the number of sums and products and for exponential sums in fields of prime order*, J. London Math. Soc. (2) 73 (2006), no 2, 380–398.
- [301] (with M-C. Chang) *A Gauss sum estimate in arbitrary finite fields*, C.R. Acad., Sci. Paris 342 (2006), no 9, 643–646.

- [302] (with A. Gamburd) *New results on expanders*, C.R. Acad. Sci. Paris, Ser. I 342 (2006), 717–721.
- [303] (with H-M. Nguyen) *A new characterization of Sobolev spaces*, C.R. Acad. Sci. Paris, Ser I 343 (2006), 75–80.
- [304] (with M-C. Chang) *Exponential sum estimates over subgroups and almost subgroups of \mathbb{Z}_Q^* , where Q is composite with few prime factors*, GAFA, Vol. 16 (2006), 327–366.
- [305] (with A. Gamburd, P. Sarnak) *Sieving and expanders*, C.R. Acad. Sci. Paris, Ser.1 343 (2006), 155–159.
- [306] *A new approach to spectral gap problems*, to appear in Proceedings of Symposia in Pure Mathematics (Volume dedicated to B. Simon).
- [307] *Some arithmetical applications of the sum-product theorems in finite fields*, to appear in GAFA, Séminar, Springer LNM .
- [308] (jointly with W. Wang) *Quasi-periodic solutions of nonlinear lattice Schrödinger equations with random potential*, to appear in J. European Math. Soc.
- [309] *On the construction of affine extractors*, to appear in GAFA.
- [310] (jointly with W. Wang) *On diffusion in nonlinear lattice Schrödinger equations*, to appear in Annals of Math. Studies.
- [311] *Remarks on Strichartz’ inequalities on irrational tori*, to appear in Annals of Math Studies.
- [312] *A remark on quantum ergodicity for cat maps*, to appear in GAFA Seminar, Springer LNM.
- [313] (jointly with E. Lindenstrauss) *Corrections and additions to ‘Entropy of Quantum Limits’* to appear in CMP.
- [314] *Anderson localization for quasi-periodic lattice Schrödinger operators on \mathbb{Z}^d , d arbitrary*, to appear in GAFA, (30pp).
- [315] *New estimates on elliptic equations and Hodge type systems*, to appear in J. European MS, (50p).
- [316] *Exponential sum estimates in finite commutative rings and applications*, to appear in J. Analyse, (32p).
- [317] (jointly with A. Gamburd) *Uniform Expansion bounds for Cayley graphs of $SL_2(\mathbb{F}_p)$* , to appear in Annals of Math. (10p).
- [318] (jointly with M. Chang) *On the minimum norm of representatives of residue classes in number fields*, to appear in Duke Math. J., (20p).
- [319] (jointly with G. Kozma) *Can you hear the degree?* to appear in J. of the European Math. Soc.
- [320] (jointly with A. Gamburd) *On the spectral gap for finitely generated subgroups of $SU(2)$* , submitted to Inventiones Math (27p).
- [321] *On an exponential sum*, submitted to IMRN (12p).

- [322] (jointly with E. Bombieri) *On ultra-flat polynomials*, in preparation.
- [323] (jointly with N. Pavlovic) *On ill-posedness in 3D Navier-Stokes equations*, in preparation.
- [324] (jointly with A. Gamburd and P. Sarnak) *Sieving and Expanders*, (ms), in preparation.
- [325] *Roth's theorem in progressions revisited*, in preparation.
- [326] (jointly with A. Furman, E. Lindenstrauss, S. Mozes) *Invariant measures on \mathbb{T}^2 under the action of subgroups of $SL_2(\mathbb{Z})$* , in preparation.
- [327] *Sum-product theorems in algebraic number fields*, in preparation.
- [328] *On the distribution of the residues of small multiplicative subgroups of \mathbb{F}_p* , preprint.