

Publications

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Books Edited

1. (with N. Kalton and E. Saab), Interaction Between Functional Analysis, Harmonic Analysis, and Probability, Proceedings of Conference held in Columbia, Missouri on May 1994, Lecture Notes in Pure and Appl. Math., 175, Marcel Dekker, New York, 1995.

Unrefereed Publications

1. Orlicz–Lorentz Spaces, *Proceedings of the Orlicz Memorial Conference*, (Ed. P. Kranz and I. Labuda), Oxford, Mississippi (1991).

Refereed Publications

1. (with R. Ober) Bilinear transformation of infinite dimensional state space systems and balanced realizations of nonrational transfer functions, *S.I.A.M. J. of Control* **28** (1990), 438–465.
2. The Gaussian cotype of operators from $C(K)$, *Israel Journal of Math.* **68** (1989), 123–128.
3. The distribution of Rademacher sums, *Proc. A.M.S.* **109** (1990), 517–522.
4. The $p^{\frac{1}{p}}$ in Pisier’s factorization theorem, *Proceedings of Conference on Geometry of Spaces at Strobl*, Ed.: P.F.X. Müller and W. Schachermayer, *L.M.S.* 1990.
5. (with M. Talagrand) The Rademacher cotype of operators from l_{∞}^N , *Proc. A.M.S.* **112** (1991), 187–194.
6. (with D.J.H. Garling) Complemented subspaces of spaces obtained by interpolation, *J. L.M.S. (2)* **44** (1991), 503–513.
7. (with P. Saab) p -summing operators on injective tensor products of spaces, *B. Royal Soc. Edin.* **120A**, (1992), 283–296.
8. Comparison of Orlicz–Lorentz spaces, *Stud. Math.* **103** (2), (1992), 161–189.
9. (with N. Asmar) On the distribution of Sidon series, *Arkiv Mat.* **31**, (1993), 13–26.
10. (with S.J. Dilworth) The distribution of vector-valued Rademacher series, *Annals Prob.* **21**, (1993), 2046–2052.

11. (with N. Asmar) Littlewood–Payley Theory on solenoids, *Colloq. Math.* **65**, (1993), 69–82.
12. (with N.J. Kalton) Set functions and factorization, *Arch. Math.* **61**, (1993), 183–200.
13. The distribution of non-commutative Rademacher series, *Math. Ann.* **302**, (1995), 395–416.
14. (with V.H. de la Peña and J. Szulga) Contraction and decoupling inequalities for multilinear forms and U-statistics, *Annals Prob.*, **22**, (1994), 1745–1765.
15. (with Y. Latushkin) Lyapunov Theorems for Banach Spaces, *Bul. A.M.S.* **31**, (1994), 44–49.
16. (with Y. Latushkin) Evolutionary semigroups and Lyapunov theorems in Banach spaces, *J. Func. Anal.* **127**, (1995), 173–197.
17. (with V.H. de la Peña) Bounds on the Tail Probability of U-Statistics and Quadratic Forms, *Bul. A.M.S.* **31**, (1994), 223–227.
18. Comparison of sums of independent identically distributed random vectors, *Prob. and Math. Stat.* **14**, (1993), 281–285.
19. (with V.H. de la Peña) Decoupling Inequalities for the Tail Probabilities of Multivariate U-statistics, *Annals Prob.* **23**, (1995), 806–816.
20. (with P. Hitzcenco) Tangent Sequences in Orlicz and Rearrangement Invariant Spaces, *Proc. Camb. Phil. Soc.* **119**, (1996), 91–101.
21. The Hardy operator and Boyd indices, *Interaction between Probability, Harmonic Analysis and Functional Analysis*, Ed.: N. Kalton, S.J. Montgomery-Smith, E. Saab, *Lecture Notes in Pure and Appl. Math.*, 175, Marcel Dekker, New York, 1995.
22. Boyd Indices of Orlicz–Lorentz spaces, *Function Spaces, The Second Conference*, Ed.: K. Jarosz, 321–334, Marcel Dekker, 1995.
23. (with C. Chicone and Y. Latushkin) The spectrum of the kinematic dynamo operator for an ideally conducting fluid, *Commun. Math. Phys.* **173**, (1995), 379–400.
24. (with Y. Latushkin and T. Randolph) Evolutionary semigroups and dichotomy of linear skew-product flows on locally compact spaces with Banach fibers, *J. Diff. Eq.* **125**, (1996), 73–116.
25. Stability and dichotomy of positive semigroups on L_p , *Proc. A.M.S.* **8**, (1996), 2433–2437.
26. (with A.L. Koldobsky) Inequalities of correlation type for symmetric stable random vectors, *Stat. & Prob. Letters.* **28**, (1996), 91–97.
27. (with N. Asmar and B. Kelly) A note on UMD spaces and transference in vector-valued function spaces, *Proc. Edin. Math. Soc.* **39**, (1996), 485–490.
28. (with N. Asmar) Hahn’s Embedding Theorem on orders and harmonic analysis on groups with ordered duals, *Colloq. Math.* **70**, (1996), 235–252.
29. (with C. Chicone and Y. Latushkin) The Annular Hull Theorems for the Kinematic Dynamo Operator for an Ideally Conducting Fluid, *Indiana J.* **45**, (1996), 361–379.

30. (with L. Grafakos) Best constants for uncentered maximal functions, *Bul. L.M.S.* **29**, (1997), 60–64.
31. (with P. Hitczenko and K. Oleszkiewicz) Moment inequalities for linear combinations of certain independent random variables, *Studia Math.* **123**, (1997), 15–42.
32. (with N. Asmar) Hardy martingales and Jensen’s Inequality, *Bull. Australian Math. Soc.* **55**, (1997), 185–195.
33. (with N. Asmar) On a weak type $(1, 1)$ inequality for a maximal conjugate function, *Studia Math.* **125**, (1997), 13–21.
34. Time decay for the bounded mean oscillation of solutions of the Schrödinger and wave equations, *Duke Math. J.* **91**, (1998), 393–408.
35. (with N. Asmar) Analytic measures and Bochner measurability, *Bull. Sc. Math.* **122**, (1998), 39–66.
36. (with N. Asmar) A transference theorem for ergodic H^1 , *Quarterly J. of Math.* **48**, (1997), 417–430.
37. (with N. Asmar and A. Kelly) Vector-valued weakly analytic measures, *Hokkaido Math. J.*, **27**, (1998), 457–473.
38. (with E. Semenov) Random rearrangements and operators, *25 Years of Voronezh Winter Mathematical School, Proceedings in honor of 80th birthday of S. Krein*, A.M.S.
39. Concrete representation of martingales, *Electronic J. Probab.* **3**, (1998), paper 15.
40. Global regularity of the Navier-Stokes equation on thin three dimensional domains with periodic boundary conditions, *Electronic J. of Differential Equations* **1999**, (1999), no. 11, 1–19.
41. (with L. Grafakos and O. Motrunich) A sharp estimate for the Hardy-Littlewood maximal function, *Studia Math.* **134**, (1999), 57–67.
42. (with P. Hitczenko) A note on sums of independent random variables, *Advances in Stochastic Inequalities*, Ed.: T. Hill and C. Houdré, *Contemporary Mathematics* 234, A.M.S., Providence R.I., 1999.
43. (with N. Asmar and S. Saeki) Transference in spaces of measures, *J. Functional Analysis* **165**, (1999), 1–23.
44. (with E. Semenov) Title in Russian — translation: Averaging of Fourier-Haar coefficients, *Math. Sbornik.* **190**, (1999), 49–64.
45. (with A. Baernstein) Some conjectures about integral means of ∂f and $\bar{\partial} f$, *Complex Analysis and Differential Equations*, edited by C. Kiselman, *Acta Universitatis Upsaliensis C.*, Volume 64 (1999), 92–109.
46. (with S. Clark, Y. Latushkin and T. Randolph) Stability radius and internal versus external stability in Banach spaces: an evolution semigroup approach, *S.I.A.M. J. of Control Optim.* **38**, (2000), 1757–1793.
47. (with E. Semenov) Embeddings of rearrangement invariant spaces that are not strictly singular, *Positivity* **4**, (2000), 397–402.

48. (with A. Pruss) A comparison inequality for sums of independent random variables, *J.M.A.A.* **254**, (2001), 35–42.
49. (with P. Hitczenko) Measuring the magnitude of sums of independent random variables, *Annals Probability* **29**, (2001), 447–466.
50. Finite time blow up for a Navier-Stokes like equation, *Proc. A.M.S.*, **129**, (2001), 3017–3023.
51. (with N. Asmar) Decomposition of analytic measures on groups, *Studia Math*, **146**, (2001), 261–284.
52. (with M. Pokorný) A counterexample to the smoothness of the solution to an equation arising in fluid mechanics, *Commentationes Mathematicae Universitatis Carolinae*, **43**, **1**, (2002), 61–75.
53. Rearrangement Invariant Norms of Symmetric Sequence Norms of Independent Sequences of Random Variables, *Israel Journal of Mathematics*, **131**, (2002), 51–60.