

## CURRICULUM VITAE

PISIER Gilles Jean Georges

Born November 18 1950 in Nouméa, New Caledonia.

French Nationality

- 1966-67            Mathématiques Élémentaires at Lycée Buffon, Paris.
- 1967                Baccalauréat, section C.
- 1967-68            Mathématiques Supérieures and Mathématiques Spéciales  
1968-69            at Lycée Louis-le Grand, Paris.
- 1969-72            Student at École Polytechnique.
- 1971                Maîtrise de mathématiques Université PARIS VII.
- 1972                D.E.A. de Mathématiques pures Université PARIS VI.
- Oct. 72            Stragiaire de Recherche at C.N.R.S.
- Oct. 74            Attaché de Recherche at C.N.R.S.
- Nov. 77            Thèse de doctorat d'état ès-sciences mathématiques, soutenue le  
10 Novembre 1977 from Université PARIS VII  
under the supervision of L. Schwartz.
- Oct. 79            Chargé de Recherche at C.N.R.S.
- Oct. 81            Professor at the University of PARIS VI.
- Oct. 84-Jan.85    Visiting Professor at IHES (Bures s. Yvette).
- Sept. 85           Distinguished Professor (Owen Chair of Mathematics), Texas A&M University.
- Nov. 88            Short term Visitor, Institute of Advanced Study (Princeton).
- Feb. 90-Apr.90    Visiting Professor at IHES (Bures s. Yvette).
- Feb. 1991          Professeur de Classe Exceptionnelle (UPMC-Université Paris VI)
- Nov. 2010          Professeur Émerite (UPMC-Université Paris VI)

## VARIOUS DISTINCTIONS

- Salem Prize 1979.
- Cours Peccot at Collège de France 1981.
- Prix Carrière de l'Académie des Science de Paris 1982.
- Invited speaker at the International Congress of Mathematicians (Warsaw,1983).
- Fellow of the Institute of Mathematical Statistics 1989.
- Grands prix de l'Académie des Sciences de Paris: Prix Fondé par l'Etat 1992
- Invited one hour address at A.M.S. meeting in College Station, october 93.
- Faculty Distinguished Achievement Award in Research 1993, Texas A&M University (from the Association of Former Students)
- Elected “Membre correspondant” by “Académie des Sciences de Paris”, April 94.
- Ostrowski Prize 1997.
- Invited speaker (Plenary talk) at the International Congress of Mathematicians (Berlin,1998).
- Invited one hour address at International AMS meeting (Joint Hong-Kong Math. Soc.-Amer. Math. Soc. Meeting in Hong-Kong, December 2000)
- Stefan Banach medal awarded by the Polish Academy of Science (June 2001).
- Elected “Académico correspondiente” of “Real Academia de Zaragoza”, Sept. 26, 2002.
- Elected “Membre” of “Académie des Sciences de Paris”, Nov. 5, 2002.
- Elected Foreign member of Polish Academy of Science, May 2005.
- Invited one hour address at A.M.S. meeting in Urbana-Champaign, March 2009.
- Elected Fellow of Indian National Science Academy (INSA), 2010.

## VARIOUS ADMINISTRATIVE DUTIES

Nominated member to the Comité National of the CNRS (october 81 to 86).

Member of the editorial board of the following journals:

- Astérisque (1985 -1990),
- Annales de l'Institut Henri Poincaré Probabilités-Statistiques (84-89),
- Bulletin des Sciences Mathématiques (89- ),
- Houston Journal of Mathematics (91-05),
- Annals of Probability (91-93),
- Comptes Rendus de l'académie des Sciences de Paris (94- )

Duke Math. J. (98- ),  
Geometric and Functional Analysis (91- ),  
Journal of Functional Analysis (99-07),  
JIMJ (Journal de l'Institut Mathématique de Jussieu) (01-06 )  
Journal of Operator Theory (97- ),  
Mathematische Annalen (92-99),  
Proceedings Edinburgh Math. Soc. (98-05),  
Analysis & PDE (07- ),

Participation in the scientific committee of the following conferences:

Kent(1985), Banach Space Workshop in Iowa City (1986), Paul Lévy Conference (1987), MSRI miniprogram on Banach Spaces (July 1988), Banach Space Conference in Straubling-Austria (1989), Harmonic Analysis in honor of J.L.Rubio De Francia at El Escorial (1989), Ascona (Sept. 93), Mons (96), Vancouver (August 99), Operator algebras and applications (Chengde, August 2002), Workshop on Operator Spaces and Quantum Groups (Fields Inst. Toronto, Dec. 2007).

Director of the Equipe d'Analyse (89-96)

Co-Organizer of several conferences on “Operator Spaces” at Texas A&M University (October 1993, August 1997, Summer 2002), and (with Z.J. Ruan) at Urbana (March 1999).

Organizer of a one week meeting on “Espaces d'Opérateurs” at CIRM (Luminy, France), June 98.

Co-organizer (with P. Biane and D. Voiculescu) of a semester on “Free Probability and Operator Spaces” at Centre Émile Borel (IHP) in Paris, Sept 99-Feb 00.

Organizer of a two day mini-conférence on “Non Commutative  $L_p$ -Spaces” at IHP, Paris, Nov. 18-19, 99.

Chairman of scientific committee of the conference on “Non Commutative Banach Spaces” at MSRI (Berkeley), Jan. 2001.

Co-organizer (with S. Szarek) of a one week conference on Non-Commutative Phenomena and Random matrices (PIMS, Vancouver, August 2002).

Co-organizer (with Ed. Effros) of a one week conference on Operator spaces (CIRM, Luminy, June 2003).

Organizer of a two day mini-conférence on “Noncommutative and matrix valued analysis” at IHP, Paris, June 2006.

Co-organizer (with Q. Xu) of a one week conference on Non-Commutative  $L_p$ -spaces and Operator spaces (CIRM, Luminy, June 2007 and June 2009).

Member of board of Société Mathématique de France (95-98)

Member of scientific advising council of Société Mathématique de France (96-2001)

Member (at various occasions) of committees evaluating the mathematical research groups of the universities of Bordeaux, Toulouse, Grenoble, Orléans, Cergy-Pontoise, Metz.

Member of scientific research board of ARCC (American Institute of Mathematics Research Center) in Palo Alto, California (2002-2005).

Chairman of Panel for Operator Algebras and Functional Analysis (ICM 2006)

Member of Jury for the Salem prize (2008- )

Member of the BIRS scientific advisory board (2008- )

Member of Scientific Advisory committee for Istanbul Center for Math. Sciences (2008- )

Co-organization (with Marius Junge and Jesse Peterson) of Concentration Week on Approximation Properties of Discrete Groups and Operator Spaces, Texas A&M, Aug. 2009

Member of review committee for Math. Dept of University of Vienna (June 2010)

Co-organizer (with M. Junge and Q. Xu) of a one week conference on Noncommutative  $L_p$  spaces, Operator spaces and Applications (BIRS, Banff, June 2010).

Euler International Mathematical Institute Program committee (2012- ).

**LIST OF PUBLICATIONS  
OF  
G. PISIER**

1. “Type” des espaces normés. C.R. Acad. Sc. Paris, Série A. 276 (1973) 1673-1676.
2. Un théorème d’extrapolation et ses conséquences. (Joint work with B. Maurey). C.R. Acad. Sc. Paris, série A, 277 (1973) 39-42.
3. Caractérisations d’une classe d’espaces de Banach par des propriétés de séries aléatoires vectorielles. (Joint work with B. Maurey) C.R. Acad. Sc. Paris, Série A, 277 (1973) 687-680.
4. Sur les espaces de Banach qui ne contiennent pas uniformément  $\ell_n^1$ . C.R. Acad. Sc. Paris, série A, 277 (1973) 991-994.
5. Séries de variables aléatoires vectorielles indépendantes et propriétés géométriques des espaces de Banach. (Joint work with B. Maurey) Studia Math. 58 (1976) 45-90.
6. Séries aléatoires dans les espaces uniformément convexes ou uniformément lisses. (Joint work with T. Figiel) C.R. Acad. Sc. Paris, série A, 279 (1974) 611-614 .
7. Martingales à valeurs dans les espaces uniformément convexes. C.R. Acad. Sc. Paris, série A, 279 (1974) 647-649.
8. Martingales with values in uniformly convex spaces. Israel J. Math. 20 (1975) 326-350.
9. B-convexity, super-reflexivity and the three space problem. Proceedings of the conference on random series, convex sets, and the geometry of Banach spaces. Aarhus University, Various publications series, 1975.
10. Sur la composition des opérateurs sommants, C.R. Acad. Sc. Paris, série A 280 (1975) 1681-1684.
11. On the “three space problem”. (Joint work with Per Enflo et Joram Lindenstrauss) Math. Scand. 36 (1975) 199-210.
12. Un exemple concernant la super-réflexivité. Séminaire Maurey-Schwartz 74-75, annexe 1. Ecole Polytechnique, Palaiseau.
13. Remarques sur l’exposé d’Assouad. (Joint work with B. Maurey) Séminaire Maurey-Schwartz 74-75,annexe 2. Ecole Polytechnique, Palaiseau.

14. The law of large numbers and the central limit theorem in Banach spaces. (Joint work with Jørgen Hoffman-Jørgenson), *Annals of Probability* 4 (1976) 587-599.
15. Sur la loi du logarithme itéré dans les espaces de Banach. *Probability in Banach spaces. Oberwolfach 1975, Lecture Notes in Mathematics, Springer-Verlag, n°526, 203-210.*
16. Le théorème de la limite centrale et la loi du logarithme itéré dans les espaces de Banach, *Séminaire Maurey-Schwartz, année 75/76. Exposés 3 et 4 + corrections et additions à l'exposé 3.*
17. Some results on Banach spaces without local unconditional structure. *Compositio Math.* 37 (1978) 3-19.
18. Une nouvelle classe d'espaces de Banach vérifiant le théorème de Grothendieck. *Annales de l'Inst. Fourier* 28 (1978) 69-90.
19. Grothendieck's theorem for non commutative  $C^*$ -algebras with an appendix on - Grothendieck's constants. *J. of Functional Anal.* 29 (1978) 397-415.
20. Topics on Grothendieck's theorem. *Proceedings International Conference, Leipzig, Sept. 77, Teubner Text in Math (1978) 44-57.*
21. Un nouveau théorème de factorisation. *C.R. Acad. Sc. Paris, Série A, 185 (1977) 715-718.*
22. On the limit theorems with values in the spaces  $L_p$  ( $p > 2$ ). (Joint work with J. Zinn). *Z.F. Wahrschein, und verw. Gebiete* 41 (1978) 289-304.
23. Ensembles de Sidon et processus gaussiens. *C.R. Acad. Sc. Paris, t. A 286 (1978) 671-674.*
24. Lacunarité et processus gaussiens. *C.R. Acad. Sc. Paris, t. A 286 (1978) 1003-1006.*
25. Une propriété de stabilité de la classe des espaces ne contenant pas  $\ell^1$ . *C.R. Acad. Sc. Paris, t. A 286 (1978) 747-749.*
26. Les inégalités de Khintchine-Kahane, d'après C.Borell. *Séminaire sur la Géométrie des Espaces de Banach 1977-78, exp. 7, Ecole Polytechnique, Palaiseau.*
27. Ensembles de Sidon et espaces de cotype 2. *Séminaire sur la Géométrie des Espaces de Banach 1977-78, exp. 14, Ecole Polytechnique, Palaiseau.*
28. Sur l'espace de Banach des séries de Fourier aléatoires presque sûrement continues. *Séminaire sur la Géométrie des Espaces de Banach 1977-78, exp. 17-18, Ecole Poly-*

technique, Palaiseau.

29. Necessary and sufficient conditions for the a.s. continuity of random trigonometric series. (Joint work with M.B.Marcus), Séminaire de Probabilités de Strasbourg n° XIII, p. 72-89, Springer Lecture Notes n° 721.
30. *Random Fourier series with Applications to Harmonic Analysis*. (Joint work with M.B. Marcus) Annals of Math. Studies n°101, Princeton University Press. (1981).
31. A remarkable homogeneous Banach algebra. Israel J. Math. 34 (1979) 38-44.
32. De nouvelles caractérisations des ensembles de Sidon. Advances in Maths. Supplementary studies, vol 7B (1981) 685-726.
33. Un théorème sur les opérateurs linéaires entre espaces de Banach qui se factorisent par un Hilbert. Annales Scientifiques de l'E.N.S. 13 (1980) 23-43.
34. Sur les espaces de Banach de dimension finie à distance extrême d'un espace euclidien, d'après V.D. Milman et H. Wolfson, exp. n° 16. Séminaire d'Analyse Fonctionnelle 1978-79, Ecole Polytechnique, Palaiseau.
35. Some applications of the complex interpolation method to Banach lattices. Journal d'Analyse mathématique de Jerusalem 35 (1979) 264-281.
36. Conditions d'entropie assurant la continuité de certains processus et applications à l'Analyse harmonique. Séminaire d'Analyse Fonctionnelle 1979-80, exp. n° 13-14, Ecole Polytechnique, Palaiseau.
- 37.a. Semi-groupes holomorphes et géométrie des espaces de Banach. Note aux C.R. Acad. Sc., Paris, série A, 291 (1980) 341-342.
- 37.b. Holomorphic semi-groups and the geometry of Banach spaces. Annals of Math, 115 (1982) 375-392.
38. De nouveaux espaces de Banach sans la propriété d'approximation (d'après A. Szankowski). Séminaire N. Bourbaki - Juin 1979 - Springer Lecture Notes n° 542.
39. On the duality between type and cotype. Martingale theory in Harmonic Analysis and Banach spaces. Proceedings - Cleveland 1981 - Springer Lecture Notes n° 939. p. 131-144.
- 40.a. K-convexity - Proceedings of Research Workshop on Banach Space Theory, June 29 - July 31, 1981 - Univeristy of Iowa Press (1982).

- 40.b. Sur les espaces de Banach  $K$ -convexes. Séminaire d'Analyse Fonctionnelle 1979-80, exp. n° 11, Ecole Polytechnique, Palaiseau.
- 40.c. Factorisation d'opérateurs aléatoires, d'après Benyamini et Gordon. Séminaire d'Analyse Fonctionnelle 1979-80, exp. n° 22, Ecole Polytechnique, Palaiseau.
41. Quotients of Banach spaces of cotype  $q$ . Proc. A.M.S. 85 (1982) 32-36.
42. On the dimension of the  $\ell_p^n$  subspaces of Banach spaces, for  $1 < p < 2$ . Trans. A.M.S. (1983), Vol. 276, p. 201-211.
43. Some applications of the metric entropy condition to Harmonic Analysis - Proceedings in Harmonic Analysis - (Storrs) - Springer Lecture Notes - n° 995 - 123-154.
44. Characterization of almost surely continuous  $p$ -stable random Fourier series and strongly stationary processes. (Joint work with M.B. Marcus) - Acta Math. 152 (1984) 245-301.
- 45.a. Contre-exemple à une conjecture de Grothendieck - C.R. Acad. Sci - Paris, Sc. A 293 (1981) 681-683.
- 45.b. Counterexamples to a conjecture of Grothendieck - Acta Math - Vol. 151, (1983), 181-209.
46. Condition d'entropie et caractérisations arithmétiques des ensembles de Sidon. Modern Topics in Harmonic Analysis - Torino/Milano - June/July 1982, Inst. di Alta Math - Rome (1983) vol. II., 911-944.
47. Arithmetic characterizations of Sidon sets. Bull. A.M.S. (1983) Vol. 8, 87-90.
48. Les produits tensoriels d'espaces de Banach depuis Grothendieck - Séminaire d'Initiation à l'Analyse, 81/82 - Exposé n° 10. Université Paris 6.
49. Une remarque sur certains problèmes de relèvement. Séminaire d'Analyse Fonctionnelle - Université de Paris 7.
50. Finite rank projections on Banach spaces and a conjecture of Grothendieck. Actes du Congrès International des mathématiciens. Varsovie (1983).
51. A construction of  $\mathcal{L}_\infty$ -spaces and related Banach spaces. (Joint work with J. Bourgain). Bol. Soc. Bras. Mat. 14 (1983) 109-123.
52. Une remarque sur les classes de Vapnik-Cervonenkis. Annales de l'I.H.P. Probabilités et Statistiques 20 (1984) 287-298.

53. Some results on the continuity of stable processes and the domain of attraction of continuous stable processes. (Joint work with M.B. Marcus). *Annales de l'I.H.P. Probabilités et Statistiques* - 20 (1984) 177-199.
54. Sur les opérateurs  $p$ -sommants et  $p$ -radonifiants pour  $p < 1$ . (Colloque Laurent Schwartz.) *Astérisque - Soc. Math. France* 131 (1985) 163-175.
55. *Factorization of Linear Operators and the Geometry of Banach Spaces*. CBMS. Regional conference of the A.M.S. n° 60 (1986). Reprinted with corrections 1987.
56. Gaussian processes and Mixed Volumes. (Joint work with V. Milman). *Annals of Probability* 15 (1987), 292-304.
57. Banach spaces with a weak cotype 2 property. (Joint work with V. Milman). *Israel J. Math.* 54 (1986), 139-158.
58. Stochastic processes with sample paths in exponential Orlicz spaces. (Joint work with M.B. Marcus). *Springer Lecture Notes*. n° 1153 (1985) 329-358.
59. Probabilistic methods in the Geometry of Banach spaces. Course given at CIME Summer school June 1985. *Springer Lecture Notes* n° 1206 (1986) 167-241.
60. Factorization of operators through  $L_{p\infty}$  or  $L_{p1}$  and non-commutative generalizations. *Math Annalen* 276 (1986), 105-136.
61. Random series in the real interpolation spaces between the spaces  $V_p$ . (Joint work with Quanhua Xu) *GAFSA*. *Springer Lecture Notes* n° 1267 (1987), 185-209.
62. Non-Commutative Khintchine and Paley inequalities. (Joint work with F. Lust-Piquard). *Arkiv för Math.* 29 (1991) 241-260.
63. Weak-Hilbert Spaces. *Proc. London Math. Soc.* 56 (1988), 547-579.
64. A new approach to several results of V. Milman. *Journal für die reine und Angew. Mathematik.* 393 (1989) 115-131.
65. The strong  $p$ -variation of martingales and orthogonal series. (Joint work with Quanhua Xu) *Probab. Th. Related Fields* 77 (1987) 497-514.
66. A simpler analytic proof of P. A. Meyer's inequality. *Séminaire de Probabilités XXII*. *Springer Lecture Notes* n° 1321 (1988).
67. *The volume of Convex Bodies and Banach Space Geometry*. (Book) Cambridge University Press. 1989.

68. The dual  $J^*$  of the James space has cotype 2 and the Gordon-Lewis property. Proc. Cambridge Phil. Soc. 103 (1988) 323-331.
69. Factorization of analytic functions with values in non-commutative  $L_1$ -spaces. (Joint work with U. Haagerup) Canadian Journal of Math. 41 (1989) 882-906
- 70.a. Factorization de fonctions analytiques à valeurs opérateurs. C. R. Acad. Sci. Paris. 307 (1988) 955-960.
- 70.b. Factorization of operator valued analytic functions. Advances in Math. 93 (1992) 61-125.
71. A remark on  $\pi_2(\ell_p, \ell_p)$ . Math. Nachr. 148 (1990) 243-245.
72. Completely bounded maps between sets of Banach space operators. Indiana Univ. Math. Journal 39 (1990) 249-277
73. The proportional UAP characterizes Weak Hilbert Spaces. (Joint work with W. B. Johnson.) Journal London Math.Soc. 44 (1991) 525-536.
74. Factorization of Operator Valued Analytic Functions and Complex Interpolation. Festschrift in honor of I. Piatetski-Shapiro, Part II: Papers in Analysis, Number Theory and Automorphic L-functions (edited by S. Gelbart, R. Howe and P. Sarnak), Weizmann Science Press of Israel, IMCP, vol.3 (1990) 197-220.
75. Remarks on complemented subspaces of von-Neumann algebras. Proc. Royal Soc. Edinburgh 121A (1992) 1-4.
76. A simple proof of a theorem of Jean Bourgain. Mich. Math. Journal 39 (1992) 475-484.
77. Interpolation Between  $H^p$  Spaces and Non-Commutative Generalizations I. Pacific Math. J. 155 (1992) 341-368.
78. Interpolation Between  $H^p$  Spaces and Non-Commutative Generalizations II. Revista Math. Iberoamericana 9 (1993) 281-291.
79. Random series of trace class operators. Proceedings del cuarto CLAPEM (Mexico, Sept. 1990). Contribuciones en probabilidad y estadística matemática, 3 (1991) p. 29-43.
80. The  $K_t$ -functional for the interpolation couple  $L_1(A_0), L_\infty(A_1)$ . Journal of Approximation Theory. 73 (1992) 106-117.
81. Bounded linear operators between  $C^*$ -algebras. (In collaboration with U. Haagerup.)

- Duke Math. J. 71 (1993) 889-925.
- 82.a. Multiplicateurs et ensembles lacunaires dans les groupes non moyennables. Comptes Rendus Acad. Sci. Paris 315 (1992) 43-48.
- 82.b. Multipliers and lacunary sets in non amenable groups. Amer. J. Math. 117 (1995) 337-376.
83. Complex interpolation and regular operators between Banach lattices. Archiv der Mat. (Basel) 62 (1994) 261-269.
84. The  $K_t$ -functional for the interpolation couple  $(L_\infty(dx, L_1(dy)), L_\infty(dy, L_1(dx)))$ . (En collaboration with A. Hess.) Quarterly J. Math. (Oxford) 46 (1995) 333-344.
- 85.a. Espace de Hilbert d'opérateurs et interpolation complexe. Comptes Rendus Acad. Sci. Paris Série I, 316 (1993) 47-52.
- 85.b. Sur les opérateurs factorisables par  $OH$ . Comptes Rendus Acad. Sci. Paris Série I, 316 (1993) 165-170.
- 85.c. The operator Hilbert space  $OH$ , complex interpolation and tensor norms. Memoirs Amer. Math. Soc. vol. 122 , 585 (1996) 1-103.
86. Dvoretzky's theorem for operator spaces and applications. Houston J. Math. 22 (1996) 399-416.
- 87.a. Espaces  $L_p$  non commutatifs à valeurs vectorielles et applications complètement  $p$ -sommantes. Comptes Rendus Acad. Sci. Paris Série I, 316 (1993) 1055-1060.
- 87.b. Noncommutative vector valued  $L_p$ -spaces and completely  $p$ -summing maps. Astérisque (Soc. Math. France) 247 (1998) 1-131.
88. Projections from a von Neumann algebra to a subalgebra. Bull. Soc. Math. France 123 (1995) 139-153.
89. Regular operators between non-commutative  $L_p$ -spaces. Bull. Sci. Math. 119 (1995) 95-118.
90. Exact operator spaces. Colloque sur les algèbres d'opérateurs. in "Recent advances in operator algebras" (Orléans 1992) Astérisque (Soc. Math. France) 232 (1995) 159-186.
91. Bilinear forms on exact operator spaces and  $B(H) \otimes B(H)$ . (In collaboration with Marius Junge) Geometric and Functional Analysis (GAFA Journal) 5 (1995) 329-363.

92. Subspaces of Banach Lattices. In preparation.
93. A simple proof of a theorem of Kirchberg and related results on  $C^*$ -norms. *J. Op. Theory.* 35 (1996) 317-335.
94. Espaces de Banach quantiques: Une introduction à la théorie des espaces d'opérateurs. Journée de la Société mathématique de France, 1994.
95. *Similarity problems and completely bounded maps*. Springer Lecture Notes 1618 (1995) 1-156.
96. Quadratic forms in unitary operators. *Linear Algebra and its Applications.* 267 (1997) 125-137.
- 97.a. Inégalités de martingales non commutatives. (In collaboration with Q. Xu) *C. R. Acad. Sci. Paris* 323 (1996) 817-822.
- 97.b. Non-commutative martingale inequalities. (In collaboration with Q. Xu) *Comm. Math. Physics*, 189 (1997) 667-698.
98. Espaces d'opérateurs: Une nouvelle dualité. Séminaire Bourbaki 1995/6. *Astérisque*, No. 241 (1997), Exp. No. 814, 4, 243-272.
- 99.a. Un opérateur polynômialement borné sur un Hilbert qui n'est pas semblable à une contraction. *Comptes Rendus Acad. Sci. Paris* 322 (1996) 547-550.
- 99.b. A polynomially bounded operator on Hilbert space which is not similar to a contraction. *Journal Amer. Math. Soc.* 10 (1997) 351-369.
- 100 *Introduction to Operator Space Theory*. London Math. Soc. Lecture Notes. Cambridge Univ. Press (2003).
- 101 The similarity degree of an operator algebra. *St. Petersburg Math. J.* 10 (1999) 103-146.
- 102 The "maximal" tensor product of operator spaces. (Joint with T. Oikhberg) *Proc. Edinburgh Math. Soc.* 42 (1999) 267-284.
- 103 Joint similarity problems and the generation of operator algebras with bounded length. *Integr. Equ. Op. Th.* 31 (1998) 353-370.
- 104 Problèmes de similarité pour les opérateurs sur l'espace de Hilbert. (Colloque en l'honneur de J. Dieudonné, Nice 1996) *Séminaires et Congrès 3* (Soc. Math. France) 169-201.

- 105 Operator spaces and similarity problems, Proc. ICM Berlin, Plenary talk, Doc. Math. 1998, Extra Vol. I, 429–452 (electronic).
- 106 Are unitarizable groups amenable? Infinite groups: geometric, combinatorial and dynamical aspects, 323–362, Progr. Math., 248, Birkhuser, Basel, 2005.
- 107 On a question of Niels Grønbaek. Proc. Royal Irish Soc. 100A (2000) 55-58.
- 108 The similarity degree of an operator algebra. II. Math. Z. 234 (2000) 53-81.
- 109 Remarks on the similarity degree of an operator algebra. International J. Math. 12 (2001) 403-414.
- 110 An inequality for  $p$ -orthogonal sums in non-commutative  $L_p$ . Illinois J. Math. 44 (2000) 901-923.
- 111 Similarity problems and length. International Conference on Mathematical Analysis and its Applications (Kaohsiung, 2000). Taiwanese J. Math. 5 (2001), no. 1, 1–17.
- 112 Multipliers of the Hardy space  $H^1$  and power bounded operators. Colloq. Math. 88 (2001), no. 1, 57–73.
- 113 Operator spaces. Handbook of the geometry of Banach spaces, Vol. 2, 1425–1458, North-Holland, Amsterdam, 2003.
- 114 Non-commutative  $L^p$ -spaces (with Q. Xu). Handbook of the geometry of Banach spaces, Vol. 2, 1459–1517, North-Holland, Amsterdam, 2003.
- 115 Notes on Banach space valued  $H^p$ -spaces, non-commutative martingale inequalities and matrix valued Harmonic Analysis. In preparation.
- 116 *Similarity problems and completely bounded maps*. Springer Lecture Notes 1618, Second Expanded Edition. (Incl. the solution to “the Halmos Problem”) (2001) 1-198.
- 117 Sharp estimates in vector Carleson embedding theorem and for vector paraproducts (with A. Volberg, F. Nazarov and S. Treil). J. Reine Angew. Math. 542 (2002) 147-171.
- 118 Grothendieck’s theorem for operator spaces (with D. Shlyakhtenko). Invent. Math. 150 (2002) 185-217.
- 119 Stochastic approximation properties in Banach spaces, (with V. P. Fonf, W. Johnson and D. Preiss). Studia Math. 159 (2003) 103–119.

- 120 On Read's proof that  $B(\ell_1)$  is not amenable. Geometric aspects of functional analysis. Springer Lecture Notes 1850 , (2004) 269-275.
- 121 The Operator Hilbert Space OH and TYPE III von Neumann Algebras. Bull. London Math. Soc. 36 (2004) 455-459.
- 122 Completely bounded maps into certain Hilbertian operator spaces. Intern. Math. Res. Not. 74 (2004) 3983-4018.
- 123 Non-commutative Khintchine type inequalities associated with free groups. (with J. Parcet) Indiana Univ. Math. J. 54 (2005), no. 2, 531–556.
- 124 Remarks on  $B(H) \otimes B(H)$ . Proc. Indian Acad. Sci. 116 (2006), no. 4, 423–428.
- 125 A similarity degree characterization of nuclear  $C^*$ -algebras. Publ. Res. Inst. Math. Sci. (Kyoto) 42 (2006), no. 3, 691–704.
- 126 Simultaneous similarity, bounded generation and amenability. Tohoku Math. J. (2) 59 (2007), no. 1, 79–99.
- 127 Remarks on the non-commutative Khintchine inequalities for  $0 < p < 2$ . J. Funct. Anal. 256 (2009), no. 12, 4128-4161.
- 128 Complex Interpolation between Hilbert, Banach and Operator space. Memoirs A.M.S. 208 (2010), no. 978.
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