

**Published or accepted articles**

- (1) *The 4-strings braid group  $B_4$  has Property RD and exponential mesoscopic rank (with Sylvain Barré)*  
Bull. Soc. Math. France, to appear.
- (2) *Existence of quasiperiodic triangle buildings (with Sylvain Barré)*  
Math. Ann., to appear.
- (3) *The cost is an isoperimetric invariant (with Stéphane Vassout)*  
J. Noncommut. Geom., Vol. 4 (2010), 381–387.
- (4) *Turbulence, representations, and trace-preserving actions (with David Kerr and Hanfeng Li)*  
Proc. Lond. Math. Soc. (3) 100, No. 2, 459–484 (2010).
- (5) *The space of triangle buildings*  
Adv. Stud. Pure Math. 55, IHES-MSJ meeting, 321–334 (2009).
- (6) *A note on Markov type constants (with Shin-ichi Ohta)*  
Arch. Math. (Basel), 92 (2009), pp 80–88.
- (7) *Harmonic analysis from quasiperiodic domains*  
Israel J. Math., 167 (2008), pp 63–90.
- (8) *Uniform non amenability, cost, and the first  $L^2$  Betti number (with Russell Lyons and Stéphane Vassout)*  
Groups Geom. Dyn., Vol. 2, no. 4 (2008), 595–617.
- (9) *Asymptotic Abelianness, weak mixing and property T (with David Kerr)*  
J. Reine Angew. Math., 623 (2008), 213–235.
- (10) *Triangle buildings and their automorphism groups (with Sylvain Barré)*  
Geom. Dedicata, 130 (2007), 71–91.
- (11) *The spectral theory of measured equivalence relations*  
J. Inst. Math. Jussieu, Vol. 6, no. 03 (2007), pp 453–500.
- (12) *Strongly ergodic singular measured spaces and their metric-measured structures*  
Ann. Inst. Fourier, 57 no. 1 (2007), p. 1–43.
- (13) *Semi-continuity of the first  $\ell^2$  Betti number on the space of finitely generated groups*  
Comm. Math. Helv., 81, No. 3 (2006) 643–652.
- (14) *Conditions simpliciales de rigidité pour les relations d'équivalence mesurées de type  $\text{II}_1$*   
C.R. Acad. Sci. Paris, Ser I. 337 (2003) 7–12.