

Publicații

- (1) *Homological stability for oriented configuration spaces*
[Transactions of the American Mathematical Society](#) 365 (2013), 3675–3711 (37 pp.)
- (2) *On homological stability for configuration spaces on closed background manifolds* (cu F. Cantero)
[Documenta Mathematica](#) 20 (2015), 753–805 (53 pp.)
- (3) *A twisted homology fibration criterion and the twisted group-completion theorem* (cu J. Miller)
[Quarterly Journal of Mathematics](#) 66.1 (2015), 265–284 (20 pp.)
- (4) *Scanning for oriented configuration spaces* (cu J. Miller)
[Homology, Homotopy and Applications](#) 17.1 (2015), 35–66 (32 pp.)
- (5) *Twisted homological stability for configuration spaces*
[Homology, Homotopy and Applications](#) 20.2 (2018), 145–178 (34 pp.)
- (6) *Triple-crossing number and moves on triple-crossing link diagrams* (cu C. Adams și J. Hoste)
[Journal of Knot Theory and Its Ramifications](#) 28.11 (2019), 1940001 (20 pp.)
- (7) *Homological stability for moduli spaces of disconnected submanifolds, I*
[Algebraic & Geometric Topology](#) 21.3 (2021), 1371–1444 (74 pp.)
- (8) *Configuration-mapping spaces and homology stability* (cu U. Tillmann)
[Research in the Mathematical Sciences](#) 8 (2021) no. 38 (45 pp.)
- (9) *The Burau representations of loop braid groups* (cu A. Soulié)
[Comptes Rendus. Mathématique](#) 360 (2022), 781–797 (17 pp.)
- (10) *Point-pushing actions for manifolds with boundary* (cu U. Tillmann)
[Groups, Geometry, and Dynamics](#) 16.4 (2022), 1179–1224 (46 pp.)
- (11) *Motivic homological stability of configuration spaces* (cu G. Horel)
[Bulletin of the London Mathematical Society](#) 55.2 (2023), 892–913 (22 pp.)
- (12) *Homology stability for asymptotic monopole moduli spaces* (cu U. Tillmann)
[Proceedings of the Royal Society A](#) 479 (2023), 20230300 (16 pp.)
- (13) *When the lower central series stops: a comprehensive study for braid groups and their relatives*
(cu J. Darné și A. Soulié)
Urmează să apară în [Memoirs of the American Mathematical Society](#) (cf. [arXiv:2201.03542](#), 130 pp.)
- (14) *Topological representations of motion groups and mapping class groups – a unified functorial construction*
(cu A. Soulié)
Urmează să apară în [Annales Henri Lebesgue](#) (cf. [arXiv:1910.13423](#), 110 pp.)
- (15) *Action of subgroups of the mapping class group on Heisenberg homologies* (cu C. Blanchet și A. Shaukat)
Urmează să apară în [Contemporary Mathematics](#) (cf. [arXiv:2306.08614](#), 21 pp.)
- (16) *Big mapping class groups with uncountable integral homology* (cu X. Wu)
Urmează să apară în [Documenta Mathematica](#) (cf. [arXiv:2212.11942](#), 19 pp.)
- (17) *Homological stability for subgroups of surface braid groups* (cu T. Tran)
Urmează să apară în [Homology, Homotopy and Applications](#) (cf. [arXiv:1410.0923](#), 10 pp.)

Pre-publicații

- (18) *A comparison of twisted coefficient systems*
[arXiv:1712.06310](#) (31 pp.)
- (19) *Stability for moduli spaces of manifolds with conical singularities*
[arXiv:1807.07558](#) (29 pp.)
- (20) *Lawrence-Bigelow representations, bases and duality* (cu C. Anghel)
[arXiv:2011.02388](#) (25 pp.)
- (21) *Heisenberg homology on surface configurations* (cu C. Blanchet și A. Shaukat)
[arXiv:2109.00515](#) (45 pp.)
- (22) *The pro-nilpotent Lawrence-Krammer-Bigelow representation* (cu A. Soulié)
[arXiv:2211.01855](#) (31 pp.)
- (23) *On the homology of big mapping class groups* (cu X. Wu)
[arXiv:2211.07470](#) (33 pp.)
- (24) *Polynomiality of surface braid and mapping class group representations* (cu A. Soulié)
[arXiv:2302.08827](#) (51 pp.)

Capitole de cărți

- (A) Apendice de “*Lectures on Invertible Field Theories*” de S. Galatius (cu A. Debray și S. Galatius)
[IAS/Park City Mathematics Series 28 \(2021\), 380–400](#)

Teză de doctorat

- (T) *Configuration spaces and homological stability*
University of Oxford; depusă în Decembrie 2012; susținută în Februarie 2013.
Coordonat de: Prof. Ulrike Tillmann
Examinatori: Graeme Segal (Oxford), Nathalie Wahl (Copenhaga)
Arhivat în [Oxford University Research Archive](#)
URL: <https://ora.ox.ac.uk/objects/uuid:7e056dbd-2cdd-4eac-9473-53f750371f9a>