

Publication List

Martin Frankland

January 31, 2025

Papers in refereed journals

- [1] I. Dokas, M. Frankland, and S. Ikonioff, *Quillen (co)homology of divided power algebras over an operad*, Ann. Inst. Fourier (2025), To appear.
- [2] J. D. Christensen and M. Frankland, *On good morphisms of exact triangles*, J. Pure Appl. Algebra **226** (2022), no. 3, Paper No. 106846, 33, DOI 10.1016/j.jpaa.2021.106846.
- [3] H.-J. Baues and M. Frankland, *The DG-category of secondary cohomology operations*, Appl. Categ. Structures **28** (2020), no. 6, 877–905, DOI 10.1007/s10485-020-09601-1.
- [4] ———, *Eilenberg–MacLane mapping algebras and higher distributivity up to homotopy*, New York J. Math. **23** (2017), 1539–1580.
- [5] J. D. Christensen and M. Frankland, *Higher Toda brackets and the Adams spectral sequence in triangulated categories*, Algebr. Geom. Topol. **17** (2017), no. 5, 2687–2735, DOI 10.2140/agt.2017.17.2687.
- [6] H.-J. Baues and M. Frankland, *2-track algebras and the Adams spectral sequence*, J. Homotopy Relat. Struct. **11** (2016), no. 4, 679–713, DOI 10.1007/s40062-016-0147-x.
- [7] T. Barthel and M. Frankland, *Completed power operations for Morava E-theory*, Algebr. Geom. Topol. **15** (2015), no. 4, 2065–2131, DOI 10.2140/agt.2015.15.2065.
- [8] M. Frankland, *Behavior of Quillen (co)homology with respect to adjunctions*, Homology Homotopy Appl. **17** (2015), no. 1, 67–109, DOI 10.4310/HHA.2015.v17.n1.a3.
- [9] H.-J. Baues and M. Frankland, *The realizability of operations on homotopy groups concentrated in two degrees*, J. Homotopy Relat. Struct. **10** (2015), no. 4, 843–873, DOI 10.1007/s40062-014-0086-3.
- [10] M. Frankland, *Moduli spaces of 2-stage Postnikov systems*, Topology Appl. **158** (2011), no. 11, 1296–1306, DOI 10.1016/j.topol.2011.05.002.
- [11] ———, *Théorème de Künneth en homologie de Morse*, Ann. Sci. Math. Québec **31** (2007), no. 1, 31–39.

Submitted papers

- [12] M. Frankland, S. Martensen, and M. Thauale, *Toda brackets in n -angulated categories* (2024), available at [arXiv:2312.13209](https://arxiv.org/abs/2312.13209).
- [13] M. Frankland and D. Stanley, *Multiparameter persistence modules in the large scale* (2023), available at [arXiv:2211.05981](https://arxiv.org/abs/2211.05981).
- [14] M. Frankland and M. Spitzweck, *Towards the dual motivic Steenrod algebra in positive characteristic* (2018), Accepted pending revisions, available at [arXiv:1711.05230](https://arxiv.org/abs/1711.05230).

Other papers

- [15] M. Frankland, *A user's guide: Completed power operations for Morava E-theory*, Enchiridion **2** (2016). Expository article available at mathusersguides.com.
- [16] ———, *Quillen Cohomology of Pi-Algebras and Application to their Realization*, 2010. Thesis (Ph.D.)—Massachusetts Institute of Technology.
- [17] ———, *Set of discontinuity points of a real function of a real variable*, Gazette Sci. Math. Québec **20** (2002), no. 2, 38–40.

Conference proceedings

- [18] M. Frankland and V. Hussin, *Energies of the Jaynes–Cummings model in the squeezed-coherent states*, Proceedings of the 7th International Conference on Squeezed States and Uncertainty Relations, Boston, 2002.