# Francesco Lin - Publication list

Updated 11/22

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**Research papers**

*Monopole Floer homology, eigenvalue multiplicities and the Seifert-Weber dodecahedral space.*
with Michael Lipnowski, Int. Math. Res. Not. IMRN 2022, no. 9, 6540-6560.

*Indefinite Stein fillings and Pin(2)-monopole Floer homology.*
Selecta Mathematica (N.S.) 26 (2020), no. 2.

*Monopole Floer homology and SOLV geometry.*
Annales Henri Lebesgue, Volume 3 (2020), pp. 1117-1131.

*Hyperbolic four-manifolds with vanishing Seiberg-Witten invariants.*
with Ian Agol, Characters in low-dimensional topology, 1-8, Contemp. Math., 760 (2020).

*The Seiberg-Witten equations and the length spectrum of hyperbolic three-manifolds.*
with Michael Lipnowski, J. Amer. Math. Soc. 35 (2021), no. 1, 233-293.

*Non-formality in Pin(2)-monopole Floer homology.*
Quantum Topology 12 (2021), no. 2, 309-371.

*Pin(2)-monopole Floer homology and the Rokhlin invariant.*
Compositio Mathematica 154 (2018), no. 12, 2681-2700.

*Monopole Floer homology and the spectral geometry of three-manifolds.*
Communications in Analysis and Geometry, Vol. 28, No. 5 (2020), pp. 1211-1219.

*Bar-Natan's deformation of Khovanov homology and involutive monopole Floer homology.*
Mathematische Annalen 373 (2019) no. 1-2, 489-516.

*Pin(2)-monopole Floer homology, higher compositions and connected sums.*
Journal of Topology 10 (2017), no. 4, 921-969.

*The surgery exact triangle in Pin(2)-monopole Floer homology.*
Algebraic & Geometric Topology 17-5 (2017), 2915–2960.

*Exact Lagrangian caps of Legendrian knots.*
Journal of Symplectic Geometry, Vol. 14, No. 1 (2016), pp. 269-295.

**Research monographs**

*A Morse-Bott approach to monopole Floer homology and the Triangulation conjecture.*
Memoirs of the AMS, 255 (2018), no. 1221. Errata here.

**Expository writings**

*Lecture notes on monopole Floer homology.*
Proceedings of the 22nd Gokova Geometry/Topology conference (2016), pp. 39-80.