

## List of Publications

1. (with L. Lewark, L. Liechti) *Checkerboard graph monodromies*, to appear in Enseign. Math., arxiv:1706.09210.
2. (with F. Misev) *On the stabilisation height of fibre surfaces in  $S^3$* , J. Knot Theory Ramifications **27** (2018), arxiv:1607.00857.
3. (with P. Dehornoy, L. Liechti) *Signature and concordance of positive knots*, Bull. Lond. Math. Soc. **50** (2018), no. 1, 166–173, arxiv:1503.01946.
4. (with P. Feller, L. Lewark, L. Liechti) *On the topological 4-genus of torus knots*, Trans. Amer. Math. Soc. **370** (2018), no. 4, 2639–2656, arxiv:1509.07634.
5. (with L. Lewark) *The stable 4-genus of alternating knots*, Asian J. Math **21** (2017), 1183–1190, arxiv:1505.03345.
6. (with C. Graf) *Fibred links in  $S^3$* , Expo. Math. **34** (2016), 423-435.
7. *On the stable 4-genus of knots with indefinite Seifert form*, Comm. Anal. Geom. **24** (2016), no. 2, 301-305, arxiv: 1408.6091.
8. (with P. Dehornoy) *Trefoil plumbing*, Proc. Amer. Math. Soc. **144** (2016), no. 1, 387-397, arxiv: 1308.5866.
9. *The volume of positive braid links*, Math. Proc. Cambridge Philos. Soc. **157** (2014), 543-545, arxiv: 1311.6614.
10. *Bipartite graphs and quasipositive surfaces*, Quart. J. Math. **65** (2014), 655-664, arxiv: 1111.3747.
11. *Positive braids of maximal signature*, Enseign. Math. **59** (2013), no. 3-4, 351-358, arxiv: 1211.4824.
12. (with J. Marché) *Asymptotic Vassiliev invariants for vector fields*, Bull. Soc. Math. France **140** (2012), no. 4, 569-582, arxiv: 0810.3870.
13. *Scissor equivalence for torus links*, Bull. London Math. Soc. **44** (2012), 1068-1078, arxiv: 1011.0876.
14. (with M. Ishikawa) *Legendrian framings for two-bridge links*, Proc. Amer. Math. Soc. **139** (2011), no. 12, 4513-4520, arxiv: 0910.0355.
15. *Asymptotic concordance invariants for ergodic vector fields*, Comment. Math. Helv. **86** (2011), 1-12, arxiv: 0803.0898.
16. (with F. Kutzschebauch, E. F. Wold) *Knotted holomorphic discs in  $\mathbb{C}^2$* , J. Reine Angew. Math. **648** (2010), 6973, arxiv: 0808.0791.
17. *Unknotting sequences for torus knots*, Math. Proc. Cambridge Philos. Soc. **148** (2010), no. 1, 111-116, arxiv: 0809.0183.

18. (with M. Ishikawa) *Legendrian graphs and quasipositive diagrams*, Ann. Fac. Sci. Toulouse Math. **18** (2009), 285-305, arxiv: math.GT/0609592.
19. (with K. Cieliebak, T. Vogel) *Legendrian ribbon knots in overtwisted contact structures*, J. Knot Theory Ramifications **18** (2009), 523-529, arxiv: 0708.1087.
20. *Asymptotic Rasmussen invariant*, C. R. Math. Acad. Sci. Paris, Ser. I **345** (2007), 225-228, arxiv: math.GT/0702335.
21. *Construction of non-alternating knots*, Proc. Amer. Math. Soc. **135** (2007), 2633-2636, arxiv: math.GT/0602092.
22. *Vassiliev invariants of quasipositive knots*, Compositio Math. **142** (2006), 1343-1350, arxiv: math.GT/0412453.
23. *Note on crossing changes*, Quart. J. Math. **57** (2006), 139-142.
24. *Hopf plumbing and minimal diagrams*, Comment. Math. Helv. **80** (2005), 631-642.
25. *Quasipositivity and homogeneity*, Math. Proc. Cambridge Philos. Soc. **139** (2005), no. 2, 287-290.
26. *Slice and Gordian numbers of track knots*, Osaka J. Math. **42** (2005), 257-271, arxiv: math.GT/0504594.

## Preprints

1. (with A. Lecuona) *On the fusion number of fibred arborescent knots*, 2018.
2. (with A. Kjuchukova) *Symmetric quotients of knot groups and a filtration of the Gordian graph*, arxiv:1711.08144.
3. (with P. Feller, L. Lewark, R. Zentner) *Khovanov width and dealteration number of positive braid links*, arxiv:1610.04534.
4. (with P. Dehornoy) *Minor theory for surfaces and divides of maximal signature*, arxiv: 1211.7348.
5. (with M. Lackenby) *The stable genus of braids*, 2013.
6. *Gordian distance and Vassiliev invariants*, arxiv: math.GT/0703786.
7. *Möbius bands with a quasipositive fibred hole*, arxiv: math.GT/ 0605744.
8. *Enumeration of rational numbers and links*, 2006.