

Sucharit Sarkar

Selected papers

1. (With Robert Lipshitz) *Spatial refinements and Khovanov homology*. Proceedings of International Congress of Mathematics **1** (2018)
2. (With Robert Lipshitz) *A Khovanov stable homotopy type*. Journal of the American Mathematical Society **27** (2014)
3. (With Jiajun Wang) *An algorithm for computing some Heegaard Floer homologies*. Annals of Mathematics **171** (2010)
4. (With Ciprian Manolescu and Peter Ozsváth) *A combinatorial description of knot Floer homology*. Annals of Mathematics **169** (2009)

Other publications

5. *Ribbon distance and Khovanov homology*. Algebraic and Geometric Topology, to appear
6. (With Tyler Lawson and Robert Lipshitz) *Khovanov homotopy type, Burnside category, and products*. Geometry and Topology, to appear
7. (With Kristen Hendricks and Robert Lipshitz) *Correction to the paper “A flexible construction of equivariant Floer homology and applications”*. Journal of Topology, to appear
8. *Phutball draws*. Games of No Chance **5** (2019)
9. (With Cotton Seed and Zoltán Szabó) *A perturbation of the geometric spectral sequence in Khovanov homology*. Quantum Topology **8** (2017)
10. (With Tyler Lawson and Robert Lipshitz) *The cube and the Burnside category*. AMS Contemporary Mathematics Series Vol **684** (2017)
11. (With John Baldwin and Adam Levine) *Khovanov homology and knot Floer homology of pointed links*. Journal of Knot Theory and its Ramifications **26** (2017)
12. (With Kristen Hendricks and Robert Lipshitz) *A flexible construction of equivariant Floer homology and applications*. Journal of Topology **9** (2016)
13. (With Brent Everitt, Robert Lipshitz, and Paul Turner) *Khovanov homotopy types and the Dold-Thom functor*. Homology, Homotopy and Applications **18** (2016)
14. (With Robert Lipshitz and Lenhard Ng) *On transverse invariants from Khovanov homology*. Quantum Topology **6** (2015)
15. *Moving basepoints and the induced automorphisms of link Floer homology*. Algebraic and Geometric Topology **15** (2015)
16. (With Robert Lipshitz) *A refinement of Rasmussen’s s-invariant*. Duke Mathematical Journal **163** (2014)
17. (With Robert Lipshitz) *A Steenrod square on Khovanov homology*. Journal of Topology **7** (2014)
18. (With Matthew Hedden and András Juhász) *On sutured Floer homology and the equivalence of Seifert surfaces*. Algebraic and Geometric Topology **13** (2013)

19. *Grid diagrams and shellability*. Homology, Homotopy and Applications **14** (2012)
20. *Grid diagrams and the Ozsváth-Szabó tau-invariant*. Mathematical Research Letters **18** (2011)
21. *A note on sign conventions in link Floer homology*. Quantum Topology **2** (2011)
22. *Maslov index formulas for Whitney n -gons*. Journal of Symplectic Geometry **9** (2011)
23. *Commutators and squares in free groups*. Algebraic and Geometric Topology **4** (2004)

Preprints

24. (With Ciprian Manolescu, Marco Marengon, and Michael Willis) *A generalization of Rasmussen's invariant, with applications to surfaces in some four-manifolds*. Preprint arXiv 1910.08195
25. (With Robert Lipshitz) *Khovanov homology also detects split links*. Preprint arXiv 1910.04246
26. (With Tyler Lawson and Robert Lipshitz) *Chen-Khovanov spectra for tangles*. Preprint arXiv 1909.12994
27. (With Christopher Scaduto and Matthew Stoffregen) *An odd Khovanov homotopy type*. Preprint arXiv 1801.06308
28. (With Tyler Lawson and Robert Lipshitz) *Khovanov spectra for tangles*. Preprint arXiv 1706.02346
29. (With Kristen Hendricks and Robert Lipshitz) *A simplicial construction of G -equivariant Floer homology*. Preprint arXiv 1609.09132