

PUBLICATION LIST

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- [1] **2-torsion in instanton Floer homology** *Joint with Zhenkun Li, submitted, arXiv:2405.16252.*
- [2] **Knot surgery formulae for instanton Floer homology II: applications**
Joint with Zhenkun Li, submitted, arXiv:2209.11018.
- [3] **Guts of nearly fibered knots** *Joint with Zhenkun Li, submitted, arXiv:2208.05382.*
- [4] **Knot surgery formulae for instanton Floer homology I: the main theorem**
Joint with Zhenkun Li, accepted by Geom. Topol., arXiv:2206.10077.
- [5] **Small Dehn surgery and $SU(2)$** *Joint with John A. Baldwin, Zhenkun Li, and Steven Sivek, Geom. Topol. 28(4): 1891–1922 (2024). DOI:10.2140/gt.2024.28.1891, arXiv:2110.02874.*
- [6] **$SU(2)$ representations and a large surgery formula**
Joint with Zhenkun Li, submitted, arXiv:2107.11005.
- [7] **An enhanced Euler characteristic of sutured instanton homology**
Joint with Zhenkun Li, IMRN 2024(4): 2873–2936 (2023). DOI:10.1093/imrn/rnad066, arXiv:2107.10490.
- [8] **Instanton Floer homology, sutures, and Euler characteristics**
Joint with Zhenkun Li, Quantum Topol. 14 (2): 201–284 (2023). DOI:10.4171/QT/182, arXiv:2101.05169.
- [9] **Sutured instanton homology and Heegaard diagrams**
Joint with John A. Baldwin and Zhenkun Li
Compos. Math. 159(9), 1898–1915 (2023). DOI:10.1112/S0010437X23007303, arXiv:2011.09424.
- [10] **Instanton Floer homology, sutures, and Heegaard diagrams**
Joint with Zhenkun Li, J. Topol. 15(1): 39–107 (2022). DOI:10.1112/topo.12218, arXiv:2010.07836.
- [11] **Constrained knots in lens spaces**
Algebr. Geom. Topol. 23(3): 1097–1166 (2023). DOI:10.2140/agt.2023.23.1097, arXiv:2007.04237.
- [12] **Ph.D. Thesis, New techniques in calculation of sutured instanton Floer homology: by Heegaard diagrams, Euler characteristics, and Dehn surgery formulae**
DOI:10.17863/CAM.85094.