

# PUBLICATION LIST

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- [1] **2-torsion in instanton Floer homology** *Joint with Zhenkun Li, accepted by Adv. Math., arXiv:2405.16252.*
- [2] **Knot surgery formulae for instanton Floer homology II: applications**  
*Joint with Zhenkun Li, Math. Ann., published online. DOI: 10.1007/s00208-024-03074-6.*
- [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.*