References

[1] Kaitlyn Becker, Clark Teeple, Nicholas Charles, Yeonsu Jung, Daniel Baum, James C. Weaver, L. Mahadevan, and Robert Wood. Active entanglement enables stochastic, topological grasping. *Proceedings of the National Academy of Sciences*, 119(42):e2209819119, October 2022.

[2] Miklós Bergou, Max Wardetzky, Stephen Robinson, Basile Audoly, and Eitan Grinspun. Discrete elastic rods. *ACM Transactions on Graphics*, 27(3):1–12, August 2008.

[3] Andrew Choi, Ran Jing, Andrew Sabelhaus, and Mohammad Khalid Jawed. DisMech: A Discrete Differential Geometry-based Physical Simulator for Soft Robots and Structures. *IEEE Robotics and Automation Letters*, 9(4):3483–3490, April 2024. arXiv:2311.18126 [cs].

[4] Keenan Crane, Fernando de Goes, Mathieu Desbrun, and Peter Schröder. Digital geometry processing with discrete exterior calculus. In *ACM SIGGRAPH 2013 courses*, SIGGRAPH '13, New York, NY, USA, 2013. ACM.

[5] Jonghyun Ha, Jungchul Kim, Yeonsu Jung, Giseok Yun, Do-Nyun Kim, and Ho-Young Kim. Poro-elasto-capillary wicking of cellulose sponges. *Science Advances*, 4(3):eaao7051, March 2018. Publisher: American Association for the Advancement of Science.

[6] Yeonsu Jung, Sohyun Jung, Sang-im Lee, Wonjung Kim, and Ho-Young Kim. Avian mud nest architecture by self-secreted saliva. *Proceedings of the National Academy of Sciences*, 118(3):e2018509118, January 2021.

[7] Yeonsu Jung, Keunhwan Park, Kaare H. Jensen, Wonjung Kim, and Ho-Young Kim. A design principle of root length distribution of plants. *Journal of The Royal Society Interface*, 16(161):20190556, December 2019.

[8] Yeonsu Jung, Thomas Plumb-Reyes, Hao-Yu Greg Lin, and L. Mahadevan. Entanglement transition in random rod packings, September 2024. arXiv:2310.04903 [cond-mat] (Accepted for publication in PNAS).

[9] Jungtaek Kim, Yeonsu Jung, and Ho-Young Kim. Evaporative capillary rise. *Physical Review Fluids*, 7(3):L032001, March 2022.

[10] Younghoon Lee, Won Jun Song, Yeonsu Jung, Hyunjae Yoo, Man-Yong Kim, Ho-Young Kim, and Jeong-Yun Sun. Ionic spiderwebs. *Science Robotics*, 5(44):eaaz5405, July 2020.

[11] M. Scheel, R. Seemann, M. Brinkmann, M. Di Michiel, A. Sheppard, B. Breidenbach, and S. Herminghaus. Morphological clues to wet granular pile stability. *Nature Materials*, 7(3):189–193, March 2008.

[12] Beomjune Shin, Yeonsu Jung, Munkyeong Choi, and Ho-Young Kim. Thermodynamics of Hygroresponsive Soft Engines: Cycle Analysis and Work Ratio. *Physical Review Applied*, 18(4):044061, October 2022.

[13] Emanuel Todorov. Optimality principles in sensorimotor control. *Nature Neuroscience*, 7(9):907–915, September 2004.