Stanford

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Publications

PUBLICATIONS

- **Simulation-guided design of exotendons to reduce the energetic cost of running.** *bioRxiv : the preprint server for biology*
  Stingel, J., Bianco, N., Ong, C., Collins, S., Delp, S., Hicks, J.
  2026

- **Running with an exotendon reduces compressive knee contact force.** *Journal of biomechanics*
  Stingel, J., Haralabidis, N., Hicks, J., Uhlrich, S., Delp, S.
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- **AddBiomechanics: Automating model scaling, inverse kinematics, and inverse dynamics from human motion data through sequential optimization.** *PloS one*
  Werling, K., Bianco, N. A., Raitor, M., Stingel, J., Hicks, J. L., Collins, S. H., Delp, S. L., Liu, C. K.
  2023; 18 (11): e0295152

- **Simulating Muscle-Level Energetic Cost Savings When Humans Run with a Passive Assistive Device.** *IEEE robotics and automation letters*
  Stingel, J. P., Hicks, J. L., Uhlrich, S. D., Delp, S. L.
  2023; 8 (10): 6267-6274

- **How Connecting the Legs with a Spring Improves Human Running Economy.** *bioRxiv : the preprint server for biology*
  Stingel, J. P., Hicks, J. L., Uhlrich, S. D., Delp, S. L.
  2023