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Publications

PUBLICATIONS

• Algorithmic differentiation improves the computational efficiency of OpenSim-based trajectory optimization of human movement *PLOS ONE*
  Falisse, A., Serrancol, G., Dembia, C. L., Gillis, J., De Groote, F.
  2019; 14 (10): e0217730

• Rapid predictive simulations with complex musculoskeletal models suggest that diverse healthy and pathological human gaits can emerge from similar control strategies *JOURNAL OF THE ROYAL SOCIETY INTERFACE*
  Falisse, A., Serrancoli, G., Dembia, C. L., Gillis, J., Jonkers, I., De Groote, F.
  2019; 16 (157): 20190402

• Subject-Exoskeleton Contact Model Calibration Leads to Accurate Interaction Force Predictions *IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING*
  2019; 27 (8): 1597–1605