



















- [25] I. Carpinella, P. Mazzoleni, M. Rabuffetti, R. Thorsen, and M. Ferrarin, "Experimental protocol for the kinematic analysis of the hand: Definition and repeatability," *Gait Posture*, vol. 23, no. 4, pp. 445–454, 2006.
- [26] T. Bao, A. Zaidi, S. Xie, and Z. Zhang, "Surface-EMG based Wrist Kinematics Estimation using Convolutional Neural Network," *p*, pp. 1–4, 2019.
- [27] A. Sharma, P. Madhushri, V. Kushvaha, and A. Kumar, "Prediction of the Fracture Toughness of Silicafilled Epoxy Composites using K-Nearest Neighbor (KNN) Method," *2020 International Conference on Computational Performance Evaluation, ComPE 2020*, pp. 194–198, Jul. 2020, doi: 10.1109/COMPE49325.2020.9200093.
- [28] U. Phutane, M. Roller, A. Boebel, and S. Leyendecker, "Optimal control of grasping problem using postural synergies," in *Advances in Transdisciplinary Engineering*, Aug. 2020, vol. 11, pp. 206–213. doi: 10.3233/ATDE200026.
- [29] J. A. Raszewski, A. C. Black, and M. Varacallo, "Anatomy, Shoulder and Upper Limb, Hand Compartments," *StatPearls*, Sep. 2022, Accessed: Dec. 09, 2022. [Online]. Available: <https://www.ncbi.nlm.nih.gov/books/NBK532942/>
- [30] N. J. Jarque-Bou, M. Vergara, J. L. Sancho-Bru, V. Gracia-Ibáñez, and A. Roda-Sales, "A calibrated database of kinematics and EMG of the forearm and hand during activities of daily living," *Sci Data*, vol. 6, no. 1, Dec. 2019, doi: 10.1038/s41597-019-0285-1.
- [31] X. Hu, A. Song, J. Wang, H. Zeng, and W. Wei, "Finger Movement Recognition via High-Density Electromyography of Intrinsic and Extrinsic Hand Muscles," *Sci Data*, vol. 9, no. 1, p. 373, 2022, doi: 10.1038/s41597-022-01484-2.
- [32] B.-S. Lin, I.-J. Lee, P.-Y. Chiang, S.-Y. Huang, and C.-W. Peng, "A Modular Data Glove System for Finger and Hand Motion Capture Based on Inertial Sensors," in *J*, vol. 39, no. 4: Med. Biol. Eng, 2019, pp. 532–540.