

ADAPT in SC Year 1 Publications

1. Chou, Tommy; **Hoover, Adam**, Goldstein, Stephanie; Greco-Henderson, Dante; Martin, Corby; Raynor, Hollie; Muth, Eric; Thomas, J. Graham (2024). An Explanation for the Accuracy of Sensor-based Measures of Energy Intake: Amount of Food Consumed Matters More Than Dietary Composition. *Appetite*, Volume 194, 1-6. DOI: <https://doi.org/10.1016/j.appet.2023.107176>.
2. Tang, Zeyu; Patyk, Adam; Jolly, James; Goldstein, Stephanie; Thomas, J. Graham; **Hoover, Adam** (2024). Detecting Eating Episodes From Wrist Motion Using Daily Pattern Analysis. *IEEE Journal of Biomedical and Health Informatics*, Volume 28, Issue 2, 1054-1065. DOI: <https://doi.org/10.1109/jbhi.2023.3341077>.
3. Popp, Collin; Wang, Chan; **Hoover, Adam**; Gomez, Louis; Curran, Margaret; St-Jules, David; Barua, Souptik; Sevick, Mary Ann; Kleinberg, Samantha (2024). Objective Determination of Eating Occasion Timing: Combining Self-Report, Wrist Motion, and Continuous Glucose Monitoring to Detect Eating Occasions in Adults With Prediabetes and Obesity. *Journal of Diabetes Science and Technology*, Volume 18, Issue 2, 266-272. DOI: <https://doi.org/10.1177/19322968231197205>.
4. Indah, Debbie; Mwakalonge, Judith; **Comert, Gurcan**; Siuhi, Saidi (2024). Enhancing Data Efficiency for Autonomous Vehicles: Using Data Sketches for Detecting Driving Anomalies. *Machine Learning with Applications*, Volume 15, 1-9. DOI: <https://doi.org/10.1016/j.mlwa.2024.100530>.
5. Chengula, Tumlumbe; Mwakalonge, Judith; **Comert, Gurcan**; Siuhi, Saidi (2023). Improving Road Safety with Ensemble Learning: Detecting Driver Anomalies Using Vehicle Inbuilt Cameras. *Machine Learning with Applications*, Volume 14, 1-10. DOI: <https://doi.org/10.1016/j.mlwa.2023.100510>.
6. Wei, Xiaojun; Ma, Dumei; Ou, Junlin ; Song, Ge ; Guo, Jiawei; Robertson, Joseph; Wang, Yi; **Wang, Qian**; Liu, Chang (2024). Narrowing Signal Distribution by Adamantane Derivatization for Amino Acid Identification Using an α -Hemolysin Nanopore. *NANO Letters*, Volume 24, Issue 5, 1494-1501. DOI: <https://doi.org/10.1021/acs.nanolett.3c03593>.
7. **Rajeoni, Alireza**; Pederson, Breanna; Clair, Daniel; **Lessner, Susan**; **Valafar, Homayoun** (2023). Automated Measurement of Vascular Calcification in Femoral Endarterectomy Patients Using Deep Learning. *Diagnostics*, Volume 13, Issue 21, 1-19. DOI: <https://doi.org/10.3390/diagnostics13213363>.
8. **Zhang, Zhao**; **Fan, Hongming**; Richardson, William; **Gao, Bruce**; **Ye, Tong** (2023). Management of Autofluorescence in Formaldehyde-fixed Myocardium: Choosing the Right Treatment. *European Journal of Histochemistry*, Volume 67, Issue 4, 211-221. DOI: <https://doi.org/10.4081/ejh.2023.3812>.
9. **Fan, Hongming**; Xu, Pei; Chen, Xun; Li, Yang; **Zhang, Zhao**; Hsu, Jennifer; Le, Michael; Ye, Emily; **Gao, Bruce**; Demos, Harry; Yao, Hai; **Ye, Tong** (2023). Mask R-CNN Provides Efficient and Accurate Measurement of Chondrocyte Viability in the Label-free Assessment of Articular Cartilage. *Osteoarthritis and Cartilage Open*, Volume 5, Issue 4, 1-7. DOI: <https://doi.org/10.1016/j.ocarto.2023.100415>.