



## Jiaen Wu

Postdoctoral Scholar, Mechanical Engineering

### Bio

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#### STANFORD ADVISORS

- Steve Collins, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Real-Time Gait Phase Detection on Wearable Devices for Real-World Free-Living Gait.** *IEEE journal of biomedical and health informatics*  
Wu, J., Becsek, B., Schaer, A., Maurenbrecher, H., Chatzipirpiridis, G., Ergeneman, O., Pane, S., Torun, H., Nelson, B. J.  
2022; PP
- **Human gait-labeling uncertainty and a hybrid model for gait segmentation** *FRONTIERS IN NEUROSCIENCE*  
Wu, J., Maurenbrecher, H., Schaer, A., Becsek, B., Easthope, C., Chatzipirpiridis, G., Ergeneman, O., Pane, S., Nelson, B. J.  
2022; 16: 976594
- **Motion Analysis and Real-Time Trajectory Prediction of Magnetically Steerable Catalytic Janus Micromotors** *ADVANCED INTELLIGENT SYSTEMS*  
Wu, J., Folio, D., Zhu, J., Jang, B., Chen, X., Feng, J., Gambardella, P., Sort, J., Puigmarti-Luis, J., Ergeneman, O., Ferreira, A., Pane, S.  
2022; 4 (11)
- **An Intelligent In-Shoe System for Gait Monitoring and Analysis with Optimized Sampling and Real-Time Visualization Capabilities** *SENSORS*  
Wu, J., Kuruvithadam, K., Schaer, A., Stoneham, R., Chatzipirpiridis, G., Easthope, C., Barry, G., Martin, J., Pane, S., Nelson, B. J., Ergeneman, O., Torun, H.  
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- **Helical Klinotactic Locomotion of Two-Link Nanoswimmers with Dual-Function Drug-Loaded Soft Polysaccharide Hinges** *ADVANCED SCIENCE*  
Wu, J., Jang, B., Harduf, Y., Chapnik, Z., Avci, O., Chen, X., Puigmarti-Luis, J., Ergeneman, O., Nelson, B. J., Or, Y., Pane, S.  
2021; 8 (8): 2004458
- **Peroxymonosulfate activation for efficient sulfamethoxazole degradation by Fe<sub>3</sub>O<sub>4</sub>/beta-FeOOH nanocomposites: Coexistence of radical and non-radical reactions** *CHEMICAL ENGINEERING JOURNAL*  
Li, C., Wu, J., Peng, W., Fang, Z., Liu, J.  
2019; 356: 904-914
- **Optimal Operation and Control of Fluidized Bed Membrane Reactors for Steam Methane Reforming**  
Marquez-Ruiz, A., Wu, J., Ozkan, L., Gallucci, F., Annaland, M., Kiss, A. A., Zondervan, E., Lakerveld, R., Ozkan, L.  
ELSEVIER SCIENCE BV.2019: 1231-1236