

Stanford

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Ph.D. Student in Mechanical Engineering, admitted Winter 2017

Publications

PUBLICATIONS

- **A Stretchable Tactile Sleeve for Reaching Into Cluttered Spaces** *IEEE ROBOTICS AND AUTOMATION LETTERS*
Gruebele, A. M., Lin, M. A., Brouwer, D., Yuan, S., Zerbe, A. C., Cutkosky, M. R.
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- **Exploratory Hand: Leveraging Safe Contact to Facilitate Manipulation in Cluttered Spaces** *IEEE ROBOTICS AND AUTOMATION LETTERS*
Lin, M. A., Thomasson, R., Uribe, G., Choi, H., Cutkosky, M.
2021; 6 (3): 5159-5166
- **A 3D Printed Ex Vivo Left Heart Simulator Quantifies and Validates Posterior Ventricular Anchoring Neochordoplasty**
Paulsen, M. J., Bae, J., Imbrie-Moore, A. M., Wang, H., Farry, J. M., Lin, M. A., Hironaka, C. E., Lucian, H. J., Edwards, B. B., Thankore, A. D., MacArthur, J. W., Steele, A. N., Stapleton, et al
LIPPINCOTT WILLIAMS & WILKINS.2018
- **HoloNeedle: Augmented Reality Guidance System for Needle Placement Investigating the Advantages of Three-Dimensional Needle Shape Reconstruction** *IEEE ROBOTICS AND AUTOMATION LETTERS*
Lin, M. A., Siu, A. F., Bae, J., Cutkosky, M. R., Daniel, B. L.
2018; 3 (4): 4156-62
- **A Single-Chain Photoswitchable CRISPR-Cas9 Architecture for Light-Inducible Gene Editing and Transcription** *A Single-Chain Photoswitchable CRISPR-Cas9 Architecture for Light-Inducible Gene Editing and Transcription*
Zhou, X. X., Zou, X., Chung, H. K., Gao, Y., Liu, Y., Qi, L. S., Lin, M. Z.
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- **A Mixed-Reality System for Breast Surgical Planning**
Perkins, S. L., Lin, M. A., Srinivasan, S., Wheeler, A. J., Hargreaves, B. A., Daniel, B. L., Broll, W., Regenbrecht, H., Swan, J. E., Bruder, G., Servieres, M., Sugimoto, M.
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- **Display of Needle Tip Contact Forces for Steering Guidance**
Bae, J., Ploch, C. J., Lin, M. A., Daniel, B. L., Cutkosky, M. R., Choi, S. M., Kuchenbecker, K. J., Gerling, G.
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