



## Han Zhao

Postdoctoral Scholar, Cardiology

### Bio

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#### STANFORD ADVISORS

- Alison Marsden, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Shape optimization of non-matching isogeometric shells with moving intersections** *COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING*  
Zhao, H., Hwang, J. T., Chen, J.  
2024; 431
- **Automated shape and thickness optimization for non-matching isogeometric shells using free-form deformation** *ENGINEERING WITH COMPUTERS*  
Zhao, H., Kamensky, D., Hwang, J. T., Chen, J.  
2024; 40 (6): 3495-3518
- **Leveraging code generation for transparent immersogeometric fluid-structure interaction analysis on deforming domains** *ENGINEERING WITH COMPUTERS*  
Neighbor, G. E., Zhao, H., Saraeian, M., Hsu, M., Kamensky, D.  
2023; 39 (2): 1019-1040
- **An open-source framework for coupling non-matching isogeometric shells with application to aerospace structures** *COMPUTERS & MATHEMATICS WITH APPLICATIONS*  
Zhao, H., Liu, X., Fletcher, A. H., Xiang, R., Hwang, J. T., Kamensky, D.  
2022; 111: 109-123
- **Wear analysis and performance optimization of drum blade in mining coal gangue with shearer** *ENGINEERING FAILURE ANALYSIS*  
Liu, X., Du, C., Fu, X., Zhao, H., Zhang, J., Yang, X.  
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- **Nanocontact Tailoring via Microlensing Enables Giant Postfabrication Mesoscopic Tuning in a Self-Assembled Ultrasonic Metamaterial** *ADVANCED FUNCTIONAL MATERIALS*  
Ghanem, M., Khanolkar, A., Zhao, H., Boechler, N.  
2020; 30 (10)