

## Louise Zhuang

Ph.D. Student in Electrical Engineering, admitted Autumn 2020

### Publications

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#### PUBLICATIONS

- **Rapid beamforming of ultrasound chirp signals in frequency domain using the chirp scaling algorithm**  
Zhuang, L. L., Dahl, J., Zebker, H., Jakovljevic, M.  
ACOUSTICAL SOC AMER AMER INST PHYSICS.2023
- **Rapid refocusing of ultrasound images in frequency domain using range-Doppler algorithm**  
Jakovljevic, M., Zhuang, L. L., Samir, A. E.  
ACOUSTICAL SOC AMER AMER INST PHYSICS.2023
- **Aberration correction in diagnostic ultrasound: A review of the prior field and current directions.** *Zeitschrift fur medizinische Physik*  
Ali, R., Brevett, T., Zhuang, L., Bendjador, H., Podkowa, A. S., Hsieh, S. S., Simson, W., Sanabria, S. J., Herickhoff, C. D., Dahl, J. J.  
2023
- **APPLYING THE CHIRP SCALING ALGORITHM FOR EFFICIENT BEAMFORMING OF ULTRASOUND IMAGES**  
Zhuang, L., Dahl, J., Zebker, H., Jakovljevic, M., IEEE  
IEEE.2022: 3011-3014