

# Stanford

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## Siqi Wang

Postdoctoral Scholar, Radiation Physics

### Bio

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#### STANFORD ADVISORS

- Lei Xing, Postdoctoral Faculty Sponsor

### Research & Scholarship

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#### LAB AFFILIATIONS

- Lei Xing (12/7/2023)

### Publications

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#### PUBLICATIONS

- **Toward real-time, volumetric dosimetry for FLASH-capable clinical synchrocyclotrons using protoacoustic imaging.** *Medical physics*  
Wang, S., Gonzalez, G., Owen, D. R., Sun, L., Liu, Y., Zwart, T., Chen, Y., Xiang, L.  
2024
- **4D *in vivo* dosimetry for a FLASH electron beam using radiation-induced acoustic imaging** *PHYSICS IN MEDICINE AND BIOLOGY*  
Bjegovic, K., Sun, L., Pandey, P., Grilj, V., Ballesteros-Zebadua, P., Paisley, R., Gonzalez, G., Wang, S., Vozenin, M., Limoli, C. L., Xiang, S.  
2024; 69 (11)
- **Discrete Wavelet Transformation for the Sensitive Detection of Ultrashort Radiation Pulse With Radiation-Induced Acoustics** *IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES*  
Bergen, R., Sun, L., Pandey, P., Wang, S., Bjegovic, K., Gonzalez, G., Chen, Y., Lopata, R., Xiang, L.  
2024; 8 (1): 76-87
- **Towards quantitative in vivo dosimetry using x-ray acoustic computed tomography** *MEDICAL PHYSICS*  
Sun, L., Gonzalez, G., Pandey, P., Wang, S., Kim, K., Limoli, C., Chen, Y., Xiang, L.  
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- **Model-Based 3-D X-Ray Induced Acoustic Computerized Tomography** *IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES*  
Pandey, P., Wang, S., Sun, L., Xing, L., Xiang, L.  
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- **Model-Based 3-D X-Ray Induced Acoustic Computerized Tomography.** *IEEE transactions on radiation and plasma medical sciences*  
Pandey, P. K., Wang, S., Sun, L., Xing, L., Xiang, L.  
2023; 7 (5): 532-543