



Xueli(Sherry) Zheng

Associate Scientist, SLAC National Accelerator Laboratory

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Xueli (Sherry) Zheng is a Physical Science Research Scientist in the Department of Materials Science and Engineering at Stanford University. Dr. Zheng did her postdoctoral research at Stanford University, working with Prof. Yi Cui and Prof. Leora Dresselhaus-Marais in the Department of Materials Science and Engineering. Her research focuses on 1) decarbonizing steelmaking using sustainable hydrogen; 2) developing, understanding, and integrating materials and devices for electrocatalysis and battery technologies; 3) constructing a toolbox of innovative techniques (synchrotron X-ray spectroscopy and imaging) to establish the fundamental understanding of sustainable manufacturing, electrocatalysis, and battery technologies.

EDUCATION AND CERTIFICATIONS

- Postdoc, Stanford University , Materials Science and Engineering (2017)

PATENTS

- Bo Zhang, Xueli Zheng, Oleksandr VOZNYI, Sjoerd HOOGLAND, Jixian XU, Min Liu, Cao-Thang DINH, Edward Sargent. "United States Patent US20170218528A1 Homogeneously dispersed multimetal oxy-hydroxide catalysts"

LINKS

- <https://scholar.google.com/citations?user=EWdW56wAAAAJ&hl=en&oi=ao>: <https://scholar.google.com/citations?user=EWdW56wAAAAJ&hl=en&oi=ao>

Publications

PUBLICATIONS

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Meng, Y., Liu, Y., He, J., Sun, X., Palmieri, A., Gu, Y., Zheng, X., Dang, Y., Huang, X., Mustain, W., Suib, S. L.
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- **Organic wastewater treatment by a single-atom catalyst and electrolytically produced H₂O₂.** *Nature sustainability*
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