



## Gage Wright

Ph.D. Student in Chemistry, admitted Autumn 2021

### Publications

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#### PUBLICATIONS

- **Membrane-free electrochemical production of acid and base solutions capable of processing ultramafic rocks.** *Nature communications*  
Charnay, B. P., Chen, Y., Misleh, J. W., Wright, J. G., Agarwal, R. G., Sauv , E. R., Toh, W. L., Surendranath, Y., Kanan, M. W.  
2025; 16 (1): 9759
- **Electrochemical Production of >1 M Acid and Base from Neutral Salt at High Current Density and Low Energy Demand** *ACS ENERGY LETTERS*  
Wright, J., Kanan, M. W.  
2025
- **Rapid prototyping of lab-scale electrolysis cells using stereolithography and electroless plating** *Device*  
Wright, J. G., Charnay, B. P., Rabinowitz, J. A., Mariano, R. G., Kanan, M. W.  
2023; 1 (2)
- **Quantitative Detection of Cathepsin B Activity in Neutral pH Buffers Using Gold Microelectrode Arrays: Toward Direct Multiplex Analyses of Extracellular Proteases in Human Serum.** *ACS sensors*  
Song, Y., Wright, J. G., Anderson, M. J., Rajendran, S., Ren, Z., Hua, D. H., Koehne, J. E., Meyyappan, M., Li, J.  
2021; 6 (10): 3621-3631
- **Simultaneous, multiplex quantification of protease activities using a gold microelectrode array** *BIOSENSORS & BIOELECTRONICS*  
Anderson, M. J., Song, Y., Fan, H., Wright, J., Ren, Z., Hua, D. H., Koehne, J. E., Meyyappan, M., Li, J.  
2020; 165: 112330
- **Electrochemical Activity Assay for Protease Analysis Using Carbon Nanofiber Nanoelectrode Arrays** *ANALYTICAL CHEMISTRY*  
Song, Y., Fan, H., Anderson, M. J., Wright, J., Hua, D. H., Koehne, J., Meyyappan, M., Li, J.  
2019; 91 (6): 3971-3979