

# Stanford

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## Grace Callander

- Ph.D. Student in Chemical Engineering, admitted Autumn 2020
- Masters Student in Chemical Engineering, admitted Summer 2022

### Publications

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#### PUBLICATIONS

- **Alkaline hydrogenotrophic methanogenesis in *Methanococcus vannielii* at low carbon dioxide concentrations** *JOURNAL OF CO2 UTILIZATION*  
Callander, G., Deutzmann, J. S., Spormann, A. M.  
2024; 83
- **Low-Cost Clamp-On Photometers (ClampOD) and Tube Photometers (TubeOD) for Online Cell Density Determination.** *Frontiers in microbiology*  
Deutzmann, J. S., Callander, G., Gu, W., Muller, A. L., McCully, A. L., Ahn, J. K., Kracke, F., Spormann, A. M.  
1800; 12: 790576