

Stanford



Alice Green

Postdoctoral Scholar, Photon Science, SLAC

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Oxford (2021)
- Master of Science, University of Saint Andrews (2016)
- MChem, University of St Andrews (2016)
- DPhil, University of Oxford (2020)

STANFORD ADVISORS

- Kelly Gaffney, Postdoctoral Faculty Sponsor
- Thomas Wolf, Postdoctoral Research Mentor

LINKS

- Wolf Group Website: <https://wolf-group.netlify.app/>

Publications

PUBLICATIONS

- **Spectroscopy and Infrared Photofragmentation Dynamics of Mixed Ligand Ion-Molecule Complexes: Au(CO)_x(N₂O)_y(+)** *JOURNAL OF PHYSICAL CHEMISTRY A*
Green, A. E., Brown, R. H., Meizyte, G., Mackenzie, S. R.
2021; 125 (33): 7266-7277
- **Atomic Cluster Au-10(+) Is a Strong Broadband Midinfrared Chromophore** *PHYSICAL REVIEW LETTERS*
Green, A. E., Gentleman, A. S., Schoellkopf, W., Fielicke, A., Mackenzie, S. R.
2021; 127 (3): 033002
- **Infrared action spectroscopy of nitrous oxide on cationic gold and cobalt clusters** *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*
Cunningham, E. M., Green, A. E., Meizyte, G., Gentleman, A. S., Beardsmore, P. W., Schaller, S., Pollow, K. M., Saroukh, K., Forstel, M., Dopfer, O., Schollkopf, W., Fielicke, A., Mackenzie, et al
2021; 23 (1): 329-338
- **Free electron laser infrared action spectroscopy of nitrous oxide binding to platinum clusters, Pt-n(N₂O)(+)** *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*
Meizyte, G., Green, A. E., Gentleman, A. S., Schaller, S., Schoellkopf, W., Fielicke, A., Mackenzie, S. R.
2020; 22 (33): 18606-18613
- **Infrared Study of OCS Binding and Size-Selective Reactivity with Gold Clusters, Au-n(+) (n=1-10)** *JOURNAL OF PHYSICAL CHEMISTRY A*
Green, A. E., Schaller, S., Meizyte, G., Rhodes, B. J., Kealy, S. P., Gentleman, A. S., Schoellkopf, W., Fielicke, A., Mackenzie, S. R.
2020; 124 (26): 5389-5401

- **IR Signature of Size-Selective CO₂ Activation on Small Platinum Cluster Anions, Pt-n(-) (n=4-7)** *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*
Green, A. E., Justen, J., Schoellkopf, W., Gentleman, A. S., Fielicke, A., Mackenzie, S. R.
2018; 57 (45): 14822-14826
- **Infrared Spectroscopy of Au+(CH₄)_n Complexes and Vibrationally-Enhanced C-H Activation Reactions** *TOPICS IN CATALYSIS*
Gentleman, A. S., Green, A. E., Price, D. R., Cunningham, E. M., Iskra, A., Mackenzie, S. R.
2018; 61 (1-2): 81-91
- **Growth Mechanism of Dendritic Hematite via Hydrolysis of Ferricyanide** *CRYSTAL GROWTH & DESIGN*
Green, A. E., Chiang, C., Greer, H. F., Waller, A., Ruzsin, A., Webster, J., Niu, Z., Self, K., Zhou, W.
2017; 17 (2): 800-808
- **Cesium carbonate mediated aryl triflate esters' deprotection** *TETRAHEDRON LETTERS*
Green, A. E., Agouridas, V., Deniau, E.
2013; 54 (51): 7078-7079