

The High Pedagogic Value of Low Impact Publications

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This presentation will highlight the doors that are opened when undergraduates engage with small molecule X-ray structure determinations. Inadvertently, undergraduate research opportunities and senior thesis research projects* can yield known structures, [1,2] or predictable results [3]. I will make the case that the real value is not a subsequent publication, but instead, skills development for the next steps in a scientific career.

*Predictable or known outcomes are not limited to undergraduate research projects.

[1] Dawe, L.; Rodriguez, C. CCDC 1841060: Experimental Crystal Structure Determination. *CSD Commun.* 2018, DOI: 10.5517/ccdc.csd.cc1zss1l.

[2] Kiriakopoulos, R.; Boyle, P. D.; Dawe, L. N. CCDC 1968554: Experimental Crystal Structure Determination. *CSD Commun.* 2019, DOI: 10.5517/ccdc.csd.cc242frf.

[3] Schroeder, Z. W.; Hiscock, L. K.; Dawe, L. N. Iron Mediated Cyclization of a Thiourea to a Substituted 2-Aminobenzothiazole. *Unpubl. Result.*