

# Curriculum Vitae

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## Education

PhD, Chemistry	Purdue University, West Lafayette, IN	May 2003
M.S., Chemistry	Illinois State University, Normal, IL	Aug. 1999
B.S., Chemistry	University of Evansville, Evansville, IN	May 1997

## Teaching Experience

Lab Instruction Aide	University of Texas	Austin, TX
Virtual Lab Lead	Sapling Learning (MacMillan)	Austin, TX
Science Teacher	The Meadows School	Las Vegas, NV
Assistant Professor	Brevard Community College	Melbourne, FL
Science Teacher	North Broward Preparatory School	Coconut Creek, FL
Visiting Fellow	University of Bath	Bath, United Kingdom

## Significant Publications

Luke E. Turner, et. al. "A Practical Method for the Determination of Iodine Value of Fatty Acids, Triglycerides, and Biodiesel in the Classroom Laboratory." Manuscript in preparation.

Luke E. Turner. "Control of Glycol Ether Solvent Fumes Using Activated Carbon Filter Media: Ethylene Glycol Monobutyl Ether." Industrial hygiene report for Sentry Air Systems, Inc. June 2014.

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Luke E. Turner. "Control of Welding Fume Particulates Using Cleanable Filter Media: Hexavalent Chromium." Industrial hygiene report for Sentry Air Systems, Inc. April 2014.

Luke E. Turner. "Control of Airborne Particles in a Lab Setting: Silica Powder." Industrial hygiene report for Sentry Air Systems, Inc. Dec 2013.

Luke E. Turner, Matthew G. Davidson, Amanda J. Chmura, and Matthew D. Jones. "Optically Active Bismuth Heterobimetallic Complexes Containing Alkali Metal-Capped Binaphthoxide Ligation." *Journal of Science and Arts*, 2011, 15, 177.

Philip Axe, Steven D. Bull, Matthew G. Davidson, Carly J. Gilfillan, Matthew D. Jones, Diane E. J. E. Robinson, Luke E. Turner, and William L. Mitchell. "Enantiopure Pseudo C<sub>3</sub>-Symmetric Titanium Alkoxide with Propeller-Like Chirality." *Org. Lett.*, 2007, 9, 223.

Luke E. Turner, Matthew G. Davidson, Matthew D. Jones, Holger Ott, Verena S. Schulz, and Paul J. Wilson. "Bis(bismuth)toluene Inverted-Sandwich Complex Supported by Aminetris(phenoxide) Ligands." *Inorg. Chem.*, 2006, 45, 6123.

Luke E. Turner, Matthew G. Thorn, Phillip E. Fanwick, and Ian P. Rothwell. "Structural and Stereochemical Aspects of the Group 4 Metal Chemistry of Constrained Geometry 2-(Indenyl)phenoxide Ligation." *Organometallics*, 2004, 23, 1576.

Luke E. Turner, Matthew G. Thorn, Phillip E. Fanwick, and Ian P. Rothwell. "Facile Resolution of Constrained Geometry Indenyl-phenoxide Ligation." *Chem. Commun.*, 2003, 1034.

Luke E. Turner, Matthew G. Thorn, R. D. Schwartz II, Robert W. Chesnut, Phillip E. Fanwick, and Ian P. Rothwell. "Synthesis, Stereochemistry, Bonding and Fluxionality of 2-(inden-3-yl)phenols and Their Cyclopentadienyl Titanium Derivatives." *Dalton Trans.*, 2003, 4580.

Turner, L. E. (2003). "Synthesis, Structure, and Resolution of Group 4 Metals Containing 2-Indenyl phenoxide Ligation" [Unpublished doctoral dissertation]. Purdue University.

Turner, L. E. (1999). "Development of Polymer/Silicon Composites for Application in Photovoltaic Devices" [Unpublished master's thesis]. Illinois State University.

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