

Graham F. Peaslee

Professional Preparation

Princeton University	Chemistry	A.B., 1981
State University of New York, Stony Brook	Chemical Physics	Ph.D., 1987

Appointments

Professor of Physics, University of Notre Dame, Notre Dame, IN	2016-present
Co-Founder, Chief Technical Officer – UMP Analytical	2015-present
Elmer E. Hartgerink Professor of Chemistry, Hope College	2011-2016
Chair, Chemistry Department, Hope College	2008-2012
Professor of Chemistry & Environmental Science, Hope College,	2007-2011
Visiting Scientist, Counterterrorism and Forensic Science Research Unit, FBI Academy, Quantico VA	2007-2008
Assoc. Professor of Chemistry & Environmental Science, Hope College,	2000-2007
Visiting Scientist, Center for Accelerator Mass Spectrometry, Lawrence Livermore National Laboratory, Livermore, CA,	2000-2001
Asst. Professor of Chemistry & Environmental Science, Hope College,	1996-2000
Assistant Professor of Chemistry, Hope College,	1993-1996
Post-doctoral Fellow, National Superconducting Cyclotron Lab., E. Lansing, MI,	1990-1993
Post-doctoral Fellow, Nuclear Science Division, Lawrence Berkeley National Laboratory, Berkeley, CA,	1988-1990

Publications

180 publications since 1983, 54 with 154 undergraduate co-authors.*

1. Johnsie R. Lang, B. McKay Allred, Graham Peaslee, Jennifer A. Field, Morton A. Barlaz, "Physical and Biological Leaching of Poly- and Perfluoroalkyl Substances (PFASs) in Laboratory-Scale Anaerobic Bioreactors Filled with Carpet and Clothing" *Env. Sci. Tech.* (2016) Just Accepted Manuscript doi: 10.1021/acs.est.5b06237
2. Gillian Z. Miller, Meghanne E. Tighe*, Graham F. Peaslee and Jeff Gearhart, "Toys, Décor, and More: Evidence of Hazardous Electronic Waste Recycled into New Consumer Products", *J. Env. Protection* **7** (2016) 341-350.
3. Tara Mastren, Aranh Pen, Shaun Loveless, Bernadette V. Marquez, Elizabeth Bollinger, Boone Marois*, Nicholas Hubley*, Kyle Brown, David J. Morrissey, Graham F. Peaslee, Suzanne E. Lapi, "Harvesting ⁶⁷Cu from the Collection of a Secondary Beam Cocktail at the National Superconducting Cyclotron Laboratory" *J. Analyt. Chem.*, **87** (2015)10323–10329.
4. Meagan B. Elinski*, Alexandra S. Benson*, Christopher K. Beaudoin*, Kyle A. Alexander*, Monica L. Ohnsorg*, Graham F. Peaslee, Paul A. DeYoung, Mary E. Anderson, "Metal-Organic Coordinated Multilayer Film Formation: Quantitative Analysis of Composition and Structure" *Thin Solid Films* **590** (2015) 103–110.
5. Mastren, Tara, Aranh Pen, Christopher Loveless*, Bernadette Marquez, Elizabeth Bollinger*, Boone Marois*, Kyle Brown, David Morrissey, Graham Peaslee, and Suzanne Lapi, "Production and biological evaluation of the therapeutic isotope ⁶⁷Cu produced by heavy-ion fragmentation at the National Superconducting Cyclotron Laboratory." *J. Nucl. Med.* **56** (2015) 1040.
6. Adam M. Maley*, Kyle A. Falk*, Luke Hoover*, Elly B. Earlywine*, Michael D. Seymour, Paul A. DeYoung, Arlene Blum, Heather M. Stapleton and Graham F.

- Peaslee; "Detection of Halogenated Flame Retardants in Polyurethane Foam by Particle Induced X-ray Emission"; *Nucl. Instr. Meth.* **B358** (2015) 21-25.
7. Arlene Blum, Simona A. Balan, Martin Scheringer, Gretta Goldenman, Xenia Trier, Ian Cousins, Miriam Diamond, Tony Fletcher, Christopher Higgins, Avery E. Lindeman, Graham Peaslee, Pim de Voogt, Zhanyun Wang, Roland Weber, "The Madrid Statement on Poly- and Perfluoroalkyl Substances (PFASs)" *Env. Health Perspectives* **123** (2015) A107-A111.
 8. Sarah A. Brokus*, Danielle K. Silletti*, J. Mark Lunderberg*, Paul A. DeYoung, Graham F. Peaslee, Dyanne E. Carpenter, and JoAnn Buscaglia, "Cathodoluminescence dependence on feldspar mineral structure" *Am. Mineralogist* **100** (2015) 451-458.
 9. Aranh Pen, Tara Mastren, Graham F. Peaslee, Kelly Petrasky*, Paul A. DeYoung, David J. Morrissey, Suzanne E. Lapi "Design and construction of a water target system for harvesting radioisotopes at the National Superconducting Cyclotron Laboratory" *Nucl. Instr. Meth.* **A747** (2014) 62-68.
 10. E. Martinez-Quiroz, E. F. Aguilera, D. Lizcano, P. Amador-Valenzuela, H. Garcia-Martinez, J. J. Kolata, A. Roberts, L. O. Lamm, G. Rogachev, V Guimaraes, F. D. Becchetti, A. Villano, M. Ojaruega, M. Febbraro, Y. Chen, and H. Jiang, P. A. DeYoung, G. F. Peaslee, "Near and sub-barrier fusion of the $^7\text{Be} + ^{58}\text{Ni}$ system" *Phys Rev* **C90** (2014) 014616

Grants

PI or co-PI on 20 external grants (12 NSF, 2 DOE, 2 MDEQ, 1 DHS, 1 EPA, 1 USGS, 1 NGO) since 2007 for \$5,283,800.

Honors & Awards

Schaap Research Fellow, Hope College, Holland, MI 2013 – present
 James Boelkins Natural & Applied Sci. Division Research Award, Hope College, 2011
 Janet Anderson Award, Midstates Consortium for Math/Science, St. Louis, MO 2010
 Stakeholder of the Year Award, Macatawa Area Coordinating Council, Holland MI 2005
 Hope Outstanding Professor & Educator (HOPE) award, Holland, MI 2000
 Bourse Chateaubriand, Ambassade de France, Paris, France 1985-1986
 Camille & Henry Dreyfus Undergraduate Scholar, Boston, MA 1977-1981

Synergistic Activities

ACS Councilor, Division of Nuclear Chemistry & Technology,	2012-present
ACS Division of Nuclear Chemistry & Technology Education Committee	2000-present
Council of Undergraduate Research Councilor – Chemistry	2009-2011
Member and Chair, NSF Chemistry REU Leadership Group,	2003-2009
Chair, Committee on Qualifications & Membership, Sigma Xi	2002-2005

Undergraduate Research Students Supervised: More than 155

Collaborators and Advisors

PhD Advisor: John Alexander

Post-doctoral Supervisors: Gordon Wozniak, Luciano Moretto, Konrad Gelbke

Collaborators: Paul DeYoung (Hope), Suzanne Lapi (Wash. U), David Robertson (U of Missouri), Jennifer Field (Oregon State), David Morrissey (Michigan State).