

Graham F. Peaslee

Professional Preparation

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

Appointments

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| 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 (5 most relevant)

198 publications since 1983

1. Lara Schultes, Graham F. Peaslee, John D. Brockman, Ashabari Majumdar, Sean R. McGuinness, John T. Wilkinson, Oskar Sandblom, Ruth A. Ngwenyama, and Jonathan P. Benskin, "Total Fluorine Measurements in Food Packaging: How Do Current Methods Perform?", *Envr. Sci. Tech. Lett.* **6** (2019) 73-78.
2. Katherine E. Boronow, Julia Green Brody, Nickilou Krigbaum, Laurel Schaidler, Graham Peaslee, Laurie Havas, Barbara Cohn, "Serum concentrations of PFASs and exposure-related behaviors in African American and non-African American women" *J. Exposure Sci. Environ. Epidemiology* Jan. 8, (2019) p. 1. doi: 10.1038/s41370-018-0109-y
3. LA Schaidler, S Balan, A Blum, DQ Andrews, MJ Stryner, ME Dickinson, DM Lunderberg, JR Lang, GF Peaslee, "Fluorinated compounds in U.S. fast food packaging" *Environ. Sci. Tech. Letters* **4** (2017) 105-111.
4. AE Robel, K Marshall, M Dickinson, DM Lunderberg, CM Butt, H Stapleton, GF Peaslee, J Lang, M. Barlaz, JA Field, "Closing the Mass Balance of Fluorine for Per- and Polyfluoroalkyl Substances (PFASs) on Papers and Textiles " *Environ. Sci. Tech.* **51** (2017) 9022-9032.
5. EE Ritter, ME Dickinson, JP Harron, DM Lunderberg, PA DeYoung, AE Robel, JA Field, GF Peaslee, "Novel Total Fluorine Detection Method, Particle Induced Gamma Ray Emission (PIGE) Spectroscopy for Papers and Textiles in Commerce." *Nucl. Instr. Meth.* **B407** (2017) 47-54.

Publications (5 others)

6. Tighe, M., Beidinger, H., Knaub, C., Sisk, M., Peaslee, G.F. and Lieberman, M., 2019. Risky bismuth: Distinguishing between lead contamination sources in soils. *Chemosphere* **234** (2019) 297-301.
7. Beidinger-Burnett, H., Knaub, C., Ngai, M., Sawyer, K., Sisk, M., Lieberman, M., Peaslee, G. and Tighe, M., Development of a scaleable, low-cost lead sample collection kit: a blinded case-control study. *The Lancet Global Health*, **7** (2019) S31.
8. J. Nattress, T. Nolan, S. McGuinness, P. Rose, A. Erickson, G. Peaslee, and I. Jovanovic, "High-contrast Material Identification by Energetic Multi-particle Spectroscopic Transmission Radiography" *Phys. Rev. Applied* **11** (2019) 044085
9. E. Paige Abel, Mikael Avilov, Virginia Ayres, Eva Birnbaum, Georg Bollen, Greg Bonito, Todd Bredeweg, Hannah Clause, Aaron Couture, Joe DeVore, Matt Dietrich, Paul Ellison, Jonathan Engle, Richard Ferrieri, Jonathan Fitzsimmons, Moshe Friedman, Dali Georgobiani, Stephen Graves, John Greene, Suzanne Lapi, C. Shaun Loveless, Paul Mantica, Tara Mastren, Cecilia Martinez-Gomez, Sean McGuinness, Wolfgang Mittig, David Morrissey, Graham Peaslee, Frederique Pellemoine, J. David Robertson, Nicholas Scielzo, Matthew Scott, Gregory Severin, Dawn Shaughnessy, Jennifer Shusterman, Jaideep Singh, Mark Stoyer, Logan Sutherlin, Ate Visser, John Wilkinson, "Isotope Harvesting at FRIB: Additional opportunities for scientific discovery," *J. Phys. G: Nucl. Part. Phys.* **46** (2019) 100501.
10. Khachatur Manukyan, Cecilia Fasano, Ashabari Majumdar, Graham F. Peaslee, Mark Raddell, Edward Stech, Michael Wiescher, "Surface Manipulation Techniques of Roman Denarii" *Appl. Surf. Sci.* **493** (2019) 818-828.

Synergistic Activities

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| Fellow of the American Chemical Society, | 2019 - present |
| ACS Councilor, Division of Nuclear Chemistry & Technology, | 2012 – present |
| ACS Education – Post-doctoral mentoring workshop leader, | 2008 – present |
| ACS Division of Nuclear Chemistry & Technology Education Committee | 2000 – present |
| Member, APS Division of Nuclear Physics | 1983 – present |
| Member, ACS Division of Nuclear Chemistry & Technology | 1983 – present |