

**Current position**

Deputy Director of Institute of Energy and Climate Research (IEK-6) Nuclear Waste Management, FZJ (since 2011).

Head of the Division "Disposal concepts for special radioactive wastes" at IEK-6, FZJ (since 2017).

Adjunct Professor, RWTH Aachen University (since 2016)

Previous positions (two selected)

Head of the Group "Hydrometallurgical separation" at IEK-6, FZJ (since 2003)

Staff scientist at IEK-6 (and predecessor institutes), FZJ (since 1993)

Scientific degree

Dr. rer. nat. (PhD) in Chemistry, RWTH Aachen University (1993)

Habilitation, RWTH Aachen University (2014)

Recent research topics

Nuclear Waste Management, radiochemistry, actinide lanthanide separation and solution chemistry

Awards, memberships

Fritz Straßmann-Award, German Chemical Society (GDCh) (2017)

Member of the Editorial Board of Solvent Extraction and Ion Exchange (since 2010).

Member of the Advisory Board of Radiochimica Acta (since 2018).).

Publications (5 most important)

- **A. Wilden, P. M. Kowalski, L. Klab, G. Modolo, W. Verboom, et al.**, Unprecedented inversion of selectivity and extraordinary difference in the complexation of trivalent f-elements by diastereomers of a methylated diglycolamide, *Chem. Eur. J.*, 25, 5507 (2019) <https://doi.org/10.1002/chem.201806161>
- N. Boubals, C. Wagner, T. Dumas, **P. Kaufholz, G. Modolo**, Complexation of actinide(III) and lanthanide(III) with H4TPAEN for a separation of americium from curium and lanthanides, *Inorg. Chem.* 56(14), 7861 (2017) <https://doi.org/10.1021/acs.inorgchem.7b00603>
- **P. Kaufholz, G. Modolo, A. Wilden, A. Geist, P.J. Panak, et al.**, Solvent extraction and fluorescence spectroscopic investigation of the selective Am(III) complexation with TS-BTPPhen, *Solvent Extr. Ion Exch.* 34(2), 126 (2016) <https://doi.org/10.1080/07366299.2016.1151308>
- H. Galán, C. A. Zarzana, **A. Wilden, H. Schmidt, G. Modolo, et al.**, Gamma-radiolytic stability of new methylated TODGA derivatives for minor actinide recycling, *Dalton Trans.*, 44, 18049 (2015) <https://doi.org/10.1039/c5dt02484f>
- **G. Modolo, A. Geist, M. Miguiriditchian**, Minor actinide separations in the reprocessing of spent nuclear fuels: recent advances in Europe. In *Reprocessing and Recycling of Spent Nuclear Fuel*, Taylor, R., Ed. Woodhead Publishing: Oxford, 245 (2015)