

**Current positions**

Full Professor, Institute of Physical Chemistry at University of Münster (since 2016)

Director of the Helmholtz-Institute Münster (HI MS) 'Ionics in Energy Storage' (since 2015)

Scientific Director of MEET Battery Research Center

Honorary Chair Professor (Prof. h.c.) at National Taiwan University of Science and Technology

Honorary Chair Professor (Prof. h.c.) at National Cheng-Kung University, Taiwan

Spokesperson of German Battery Research

Previous positions (two selected)

Endowed Full Professor at University of Muenster, (2008-2012)

Full Professor at TU Graz, Austria (2000-2007)

Scientific degrees

Habilitation and Venia Legendi in Applied Inorganic Chemistry and Electrochemistry, TU Graz, Austria (1999)

Dr. rer. nat. (PhD) in Natural Sciences, University of Muenster (1995)

Diploma in Chemistry, University of Muenster, Germany (1993)

Recent research topics

Fundamentals and Materials, Development of new materials, components and cell designs for batteries and supercapacitors, in particular lithium-ion and lithium metal batteries

Awards, honors, memberships

> 50 honors, e.g.; Faraday Medal: The Royal Chemical Society (2019); Arfwedson-Schlenk Award, GDCh (2019) German Federal Cross of Merit, First Class: Federal President of Germany (2018)

Publications (5 most important)

- N. von Aspern, G.V. Rösenthaller, M. Winter, I. Cekic-Laskovic, Fluorine and Lithium: Ideal Partners for High Performance Rechargeable Battery Electrolytes, *Angew. Chem.-Ger. Edit.*, doi:10.1002/anie.201901381
- R. Schmuck, R. Wagner, G. Hoerpel, T. Placke, M. Winter, Performance and cost of materials for lithium-based rechargeable automotive batteries, *Nat. Energy*, 3, 267–278, (2018) doi:10.1038/s41560-018-0107-2
- S. Nowak, M. Winter, The Role of Cations on the Performance of Lithium Ion Batteries: A Quantitative Analytical Approach, *Accounts Chem. Res.*, 51, 265-272, (2018) doi:10.1021/acs.accounts.7b00523
- K. Borzutzki, J. Thienenkamp, M. Diehl, M. Winter, G. Brunklaus, Fluorinated polysulfonamide based single ion conducting room temperature applicable gel-type polymer electrolytes for lithium ion batteries, *J. Mater. Chem. A*, 7, 188-201, (2019) doi:10.1039/c8ta08391f
- P. Meister, H. Jia, J. Li, R. Kloepsch, M. Winter, et al., Best Practice: Performance and Cost Evaluation of Lithium Ion Battery Active Materials with Special Emphasis on Energy Efficiency, *Chem. Mater.*, 28, 7203-7217, (2016) doi:10.1021/acs.chemmater.6b02895