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**Roland Reischl**  
**Publication list**

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## a) Original Articles in Peer-reviewed Journals

2012

Roland J. Reischl, Wolfgang Lindner

**Methoxyquinoline Labeling—A new Strategy for the Enantioseparation of all Chiral Proteinogenic Amino Acids in 1-Dimensional Liquid Chromatography Using Fluorescence and Tandem Mass Spectrometric Detection,**

Journal of Chromatography A, Available online 25 July 2012, ISSN 0021-9673, 10.1016/j.chroma.2012.07.046.

Reischl Roland J.; Bicker, Wolfgang; Keller, Thomas; et al.

**Occurrence of 2-Methylthiazolidine-4-carboxylic acid, a Condensation Product of Cysteine and Acetaldehyde, in Human Blood as a Consequence of Ethanol Consumption**

Analytical and Bioanalytical Chemistry Volume: 404 Issue: 6-7 Pages: 1779-1787 DOI: 10.1007/s00216-012-6255-5

Leitner, Alexander; Reischl, Roland; Walzthoeni, Thomas; et al.

**Expanding the Chemical Cross-Linking Toolbox by the Use of Multiple Proteases and Enrichment by Size Exclusion Chromatography**

Molecular & Cellular Proteomics Volume: 11 Issue: 3 Special Issue: SI DOI: 10.1074/mcp.M111.014126

Reischl, Roland J.; Hartmanova, Lucie; Carrozzo, Marina; et al.

**Chemoselective and enantioselective analysis of proteinogenic amino acids utilizing N-derivatization and 1-D enantioselective anion-exchange chromatography in combination with tandem mass spectrometric detection**

Journal of Chromatography A Volume: 1218 Issue: 46 Pages: 8379-8387 DOI: 10.1016/j.chroma.2011.09.046

2010

Hinterwirth, Helmut; Laemmerhofer, Michael; Preinerstorfer, Beatrix; Gargano, Andrea; Reischl, Roland et al.  
**Selectivity Issues in Targeted Metabolomics: Separation of Phosphorylated Carbohydrate Isomers by Mixed-Mode Hydrophilic Interaction/Weak Anion Exchange Chromatography**

Journal of Separation Science Volume: 33 Issue: 21 Pages: 3273-3282 DOI: 10.1002/jssc.201000412

2009

Hoffmann, Christian V.; Reischl, Roland; Maier, Norbert M.; et al.

**Stationary Phase-Related Investigations of Quinine-Based Zwitterionic Chiral Stationary Phases Operated in Anion-, Cation-, and Zwitterion-Exchange Modes**

Journal of Chromatography A Volume: 1216 Issue: 7 Pages: 1147-1156 DOI: 10.1016/j.chroma.2008.12.045

Hoffmann, Christian V.; Reischl, Roland; Maier, Norbert M.; et al.

**Investigations of Mobile Phase Contributions to Enantioselective Anion- and Zwitterion-Exchange Modes on Quinine-Based Zwitterionic Chiral Stationary Phases**

Journal of Chromatography A Volume: 1216 Issue: 7 Pages: 1157-1166 DOI: 10.1016/j.chroma.2008.12.044

## **b) Book chapters, Proceedings and other scientific Contributions**

### **c) Poster Contributions**

**2011**

Reischl, Roland; Wernisch, Stefanie; Kohout, Michal; Lindner, Wolfgang

**Derivatization of amino acids and their chemoselective and enantioselective separation in single dimensional ion exchange chromatography with ESI – MS/detectionMS/MS detection**

Anakon 2011, Zurich, Switzerland

Reischl, Roland; Lindner, Wolfgang

**1-D Liquid Chromatography – ESI - Tandem MS Coupling for Chemoselective and Enantioselective Separations of Chiral Amino Acid Derivatives and its Application to Biologically Relevant Samples**

HPLC 2011, Budapest, Hungary

**2010**

Reischl, Roland; Carozzo, Marina M.; Lindner, Wolfgang

**Enantioseparation of amino acids after labelling with Succinimdylferrocenylpropionat SFP by quinine based stationary phase and LC-ESI-MS/MS detection**

35th International Symposium on High Performance Liquid Phase Separations and Related Techniques

**2009**

Reischl, Roland; Bicker, Wolfgang; Lindner, Wolfgang

**Determination of 2-Methylthiazolidine-4-carboxylic acid - a condensation product of acetaldehyde and cysteine in human blood and urine by Liquid Chromatography - Electrospray Ionisation - Tandem Mass Spectrometry**

Euroanalysis 2009, Innsbruck

Reischl, Roland; Lindner, Wolfgang

**Comparison of three Novel Zwitterionic Selectors for the Enantioseparation of Chiral Acids and Zwitterions**

Anakon 2009, Berlin

### **d) Presentations & Seminars**

**2010**

Reischl, Roland; Leitner, Alexander; Sturm, Martin

**Anton Paar Award Lecture: Probing the Phosphoproteome of HeLa Cells Using Nanocast Metal Oxide Microspheres for Phosphopeptide Enrichment**

GOeCH General Assembly, Vienna, Austria

**2009**

Reischl, Roland; Bicker, Wolfgang; Keller, Thomas; Lindner, Wolfgang

**Determination of 2-Methylthiazolidine-4-carboxylic Acid - a Condensation Product of Acetaldehyde and Cysteine - in Human Blood and Urine by Liquid Chromatography - Tandem Mass Spectrometry**

3. ASAC Junganalytiker Forum 2009, Innsbruck