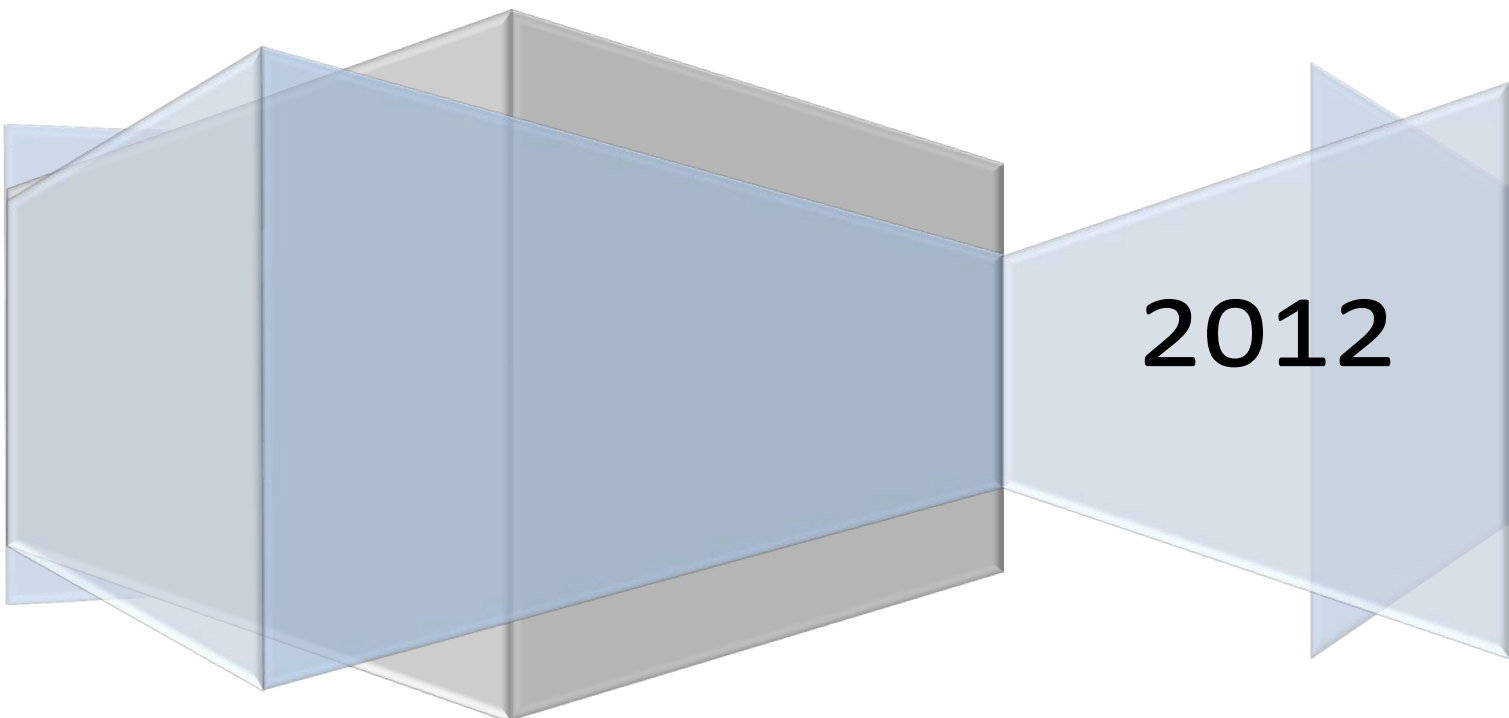



































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**UNIVERSITÄT
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Publikationen



Inhaltsverzeichnis

 PD Dr. P. Broekmann	Seite	3
 Prof. Dr. G. Calzaferri	Seiten	4
 Prof. Dr. M. Cascella	Seite	5
 PD Dr. T. Darbre	Seiten	6
 Prof. Dr. S. Decurtins	Seiten	7
 Dr. R. Eichler	Seiten	8
 Prof. Dr. R. Fasel	Seite	9
 Dr. J. Furrer	Seite	10-11
 Prof. H.-U. Güdel	Seite	12
 Prof. R. Häner	Seite	13
 Dr. J. Hauser	Seite	14
 Dr. M. Hollenstein	Seite	15
 Prof. Dr. J. Hulliger	Seite	16
 Prof. Dr. C. Kempf	Seite	17
 Dr. K. Krämer	Seiten	18-19
 Prof. C. Leumann	Seite	20
 Prof. S. Leutwyler	Seiten	21
 Prof. M. Lochner	Seite	22-23
 PD Dr. P. Macchi	Seite	24
 Prof. Dr. O. Mühlemann	Seite	25-26
 Dr. M. Parvinezadeh Gashti	Seite	27
 Prof. N. Polacek	Seite	28
 Prof. P. Renaud	Seite	29-30
 Prof. Dr. J. L. Reymond	Seiten	31-32
 Prof. Dr. J. Schaller	Seite	33
 Prof. Dr. A. Schneider	Seite	34
 PD Dr. S. Schürch	Seite	35
 Prof. Dr. M. Schwikowski	Seite	36
 PD Dr. A. Stocker	Seite	37
 PD Dr. S. Szidat	Seite	38-39
 Prof. Dr. A. Türlér	Seiten	40-41
 Dr. M. Vermathen	Seite	42
 Prof. Dr. T. Wandlowski	Seiten	43-44

PD Dr. Peter Broekmann

Mitarbeiter/in / Departement für Chemie und Biochemie (DCB)

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2. Hai, N.T.M.; Kramer, K.W.; Fluegel, A.; Arnold, M.; Mayer, D.; Broekmann, P. (2012): Beyond interfacial anion/cation pairing: The role of Cu(I) coordination chemistry in additive-controlled copper plating, in: ELECTROCHIM ACTA, vol. 83, S. 367-375 [\[DOI\]](#) [\[WoS\]](#) 9 S.
3. Hai, N.T.M.; Oderrnatt, J.; Grimaudo, K.; Kramer, W.; Fluegel, A.; Arnold, M.; Mayer, D.; Broekmann, P. (2012): Potential Oscillations in Galvanostatic Cu Electrodeposition: Antagonistic and Synergistic Effects among SPS, Chloride, and Suppressor Additives, in: J PHYS CHEM C, vol. 116, nr. 12, S. 6913-6924 [\[DOI\]](#) [\[WoS\]](#) 12 S.
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D3: Tagungsbeitrag (Abstract / Poster)

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2. Nguyen, H; Broekmann, P (2012): From fundamentals to applications of plating additives for Damascene process and 3D-TVS technology, in: Metrohm Autolab User Meeting 2012, Metrohm Switzerland Ltd., Zofingen, Switzerland 04.09.2012.
3. Broekmann, P: Tailored Design of Suppressor Ensembles for Damascene and 3D-TSV Copper Plating, in 12th International Fischer Symposium, Kiel, Germany 06.04.2012
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Prof. Dr. Gion Calzaferri

Mitglied Verein/Vereinigung / Emeriti Phil. Nat. Fakultät

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[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Prof. Dr. Michele Cascella

Mitarbeiter/in / Departement für Chemie und Biochemie (DCB)

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PD Dr. Tamis Darbre

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

C3: Tagungsbeitrag (vollständiger Text)

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1. Darbre, T. (2012): Dendritic peptides for biological applications, Poster presentation, Gordon Research Conference, Bioorganic Chemistry, June 10-15, 2012, Proctor Academy, Andover, NH, USA, in:, ohne Verlag

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2. Darbre, T. (2012): Peptide dendrimers for biological applications, Universidade Nova de Lisboa, Lisbon, Portugal, June 4, 2012 (invited lectures)
3. Darbre, T. (2012): Co-organizer of the CUSO Summer School Chemistry Biology III, Villars sur Ollon, VD, Switzerland, August 26-30, 2012

[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Prof. Dr. Silvio Decurtins

Mitarbeiter/in / Departement für Chemie und Biochemie (DCB)

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1. Dulcevscaia, Galina M.; Filippova, Irina G.; Speldrich, Manfred; van Leusen, Jan; Kravtsov, Victor Ch.; Baca, Svetlana G.; Kögerler, Paul; Liu, Shi-Xia; Decurtins, Silvio (2012): Cluster-Based Networks: 1D and 2D Coordination Polymers Based on {MnFe₂(μ₃-O)}-Type Clusters, in: INORG CHEM, vol. 51, nr. 9, S. 5110-5117 [\[DOI\]](#) [\[WoS\]](#) 8 S.
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Dr. Robert Eichler

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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1. Maneschg, W.; Baudis, L.; Dressler, R.; Eberhardt, K.; Eichler, R.; Keller, H.; Lackner, R.; Praast, B.; Santorelli, R.; Schreiner, J.; Tarka, M.; Wiegel, B.; Zimbal, A. (2012): Production and characterization of a custom-made ^{228}Th source with reduced neutron source strength for the Borexino experiment, in: NUCL INSTRUM METH A, vol. 680, S. 161-167 [\[DOI\]](#) [\[WoS\]](#) 7 S.

[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Prof. Dr. Roman Fasel

Mitglied Lehrkörper (Departement für Chemie und Biochemie (DCB)) / Lehrkörper, Phil.-nat. Fakultät

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[↑ Inhaltsverzeichnis \(Seite 2\)](#)

PD Dr. Julien Henri Lucien Furrer

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

C4: Tagungsbeitrag (Abstract / Poster)

1. Giannini, Federico; Süss-Fink, Georg; [Furrer, Julien](#) (2012): Correlation between Cytotoxicity, Hammett constants and Lipophilicity for a family of Bridged Trithiophenolato Dinuclear Arene Ruthenium Complexes, in: 11th European Biological Inorganic Chemistry Conference, 12-16.9.2012, Granada, Spain, Abstract Book, ohne Verlag, S. 214, PP 78
2. Giannini, Federico; Süss-Fink, Georg; [Furrer, Julien](#) (2012): Dinuclear arene Ru-bridged trithiophenolato complexes and biological targets: a NMR investigation, in: GECOM-CONCOORD 2012, Conference on Coordination Chemistry, Organometallic Chemistry and Catalysis?, 3-8.6.2012, Metabief, France, Abstract Book, ohne Verlag, S. CO 02
3. Giannini, Federico; Süss-Fink, Georg; [Furrer, Julien](#) (2012): Correlation between Cytotoxicity, Hammett Constants and Lipophilicity for a Family of Bridged Trithiophenolato Dinuclear Arene Ruthenium Complexes, in: 6th International Symposium on Bioorganometallic Chemistry, 8-12.7.2012, Toronto, Canada, Abstract Book, ohne Verlag, S. 78-PP 16
4. Paul, Lydia; [Furrer, Julien](#); Therrien, Bruno (2012): Comparative Study of the behaviour of different ruthenium-hexacationic cages towards biological ligands utilizing NMR spectroscopy, in: Fall Meeting of the Swiss Chemical Society 2012, Zürich, ohne Verlag (Posters)
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5. Giannini, Federico; Paul, Lydia E.H.; [Furrer, Julien](#) (2012): Insights into the Mechanism of Action and Cellular Targets of Ruthenium Complexes from NMR Spectroscopy, in: CHIMIA, vol. 66, nr. 10, S. 775-780 [\[DOI\]](#) [\[WoS\]](#) 6 S.
6. Jeannerat, D.; [Furrer, J.](#) (2012): NMR experiments for the analysis of mixtures: beyond 1D 1H spectra, in: COMB CHEM HIGH T SCR, vol. 15, nr. 1, S. 15-35 [\[DOI\]](#) [\[WoS\]](#) 21 S.
7. Paul, Lydia E.H.; Therrien, Bruno; [Furrer, Julien](#) (2012): Investigation of the Reactivity between a Ruthenium Hexacationic Prism and Biological Ligands, in: INORG CHEM, vol. 51, nr. 2, S. 1057-1067 [\[DOI\]](#) [\[WoS\]](#) 11 S.

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[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Prof. Dr. Hans-Ulrich Güdel

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

D0: Artikel in Fachzeitschrift

1. Baker, Michael L.; Guidi, Tatiana; Carretta, Stefano; Ollivier, Jacques; Mutka, Hannu; [Güdel, Hans U.](#); Timco, Grigore A.; McInnes, Eric J.L.; Amoretti, Giuseppe; Winpenny, Richard E.P.; Santini, Paolo (2012): Spin dynamics of molecular nanomagnets unravelled at atomic scale by four-dimensional inelastic neutron scattering, in: NAT PHYS, vol. 8, nr. 12, S. 906-911 [\[DOI\]](#) [\[WoS\]](#) 6 S.
2. Baker, Michael L.; Waldmann, Oliver; Piligkos, Stergios; Bircher, Roland; Cador, Olivier; Carretta, Stefano; Collison, David; Fernandez-Alonso, Felix; McInnes, Eric J.L.; Mutka, Hannu; Podlesnyak, Andrew; Tuna, Floriana; Ochsenbein, Stefan; Sessoli, Roberta; Sieber, Andreas; Timco, Grigore A.; Weihe, Høgne; [Güdel, Hans-Ulrich](#); Winpenny, Richard E.P. (2012): Inelastic neutron scattering studies on the odd-membered antiferromagnetic wheel Cr₈Ni, in: PHYS REV B, vol. 86, nr. 6, S. 064405/1-11 [\[DOI\]](#)

[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Prof. Dr. Robert Häner

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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Dr. Jürg Hauser

Mitarbeiter/in / Departement für Chemie und Biochemie (DCB)

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[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Dr. Marcel Hollenstein

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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Prof. Dr. Jürg Hulliger

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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Prof. Dr. Christoph Kempf

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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Dr. rer. nat. Karl Krämer

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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Prof. Dr. Christian Leumann

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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[↑ Inhaltsverzeichnis \(Seite 2\)](#)

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[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Prof. Dr. Martin Lochner

Mitarbeiter/in / Departement für Chemie und Biochemie (DCB)

C4: Tagungsbeitrag (Abstract / Poster)

1. Hemmings, Jennifer L.; Frenguelli, Bruno G.; Lochner, Martin (2012): Synthesis of novel fluorescent agonists, with selectivity for the A1 adenosine receptor, in: CUSO summer school "Chemical Biology" book of abstracts, ohne Verlag, S. 9
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[↑ Inhaltsverzeichnis \(Seite 2\)](#)

PD Dr. Piero Macchi

Mitarbeiter/in / Departement für Chemie und Biochemie (DCB)

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Prof. Dr. Oliver Mühlemann

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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Prof. Dr. Norbert Polacek

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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[↑ Inhaltsverzeichnis \(Seite 2\)](#)

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[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Prof. Dr. André Schneider

Mitarbeiter/in / Departement für Chemie und Biochemie (DCB)

C4: Tagungsbeitrag (Abstract / Poster)

1. Mani, Jan; Pusnik, Mascha; Niemann, Moritz; Wiese, Sebastian; Schmidt, Oliver; Oeljeklaus, Silke; Warscheid, Bettina; Meisinger, Chris; Schneider, André (2012): Composition and functional analysis of the trypanosomal ATOM protein import complex, in: FEBS/EMBO course, Mitochondria in life, death and disease 2012, Abstractbook, ohne Verlag (Poster)
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1. Desy, Silvia; Schneider, André; Mani, Jan (2012): Trypanosoma brucei has a canonical mitochondrial processing peptidase, in: MOL BIOCHEM PARASIT, vol. 185, nr. 2, S. 161-164 [\[DOI\]](#) [\[WoS\]](#) 4 S.
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PD Dr. Stefan Schürch

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

D0: Artikel in Fachzeitschrift

1. Trachsel, Christian; Siegemund, Doreen; Kämpfer, Urs; Kopp, Lukas S.; Bühr, Claudia; Grossmann, Jonas; Lüthi, Christoph; Cunningham, Monica; Nentwig, Wolfgang; Kuhn-Nentwig, Lucia; Schürch, Stefan; Schaller, Johann (2012): Multicomponent venom of the spider *Cupiennius salei*: a bioanalytical investigation applying different strategies, in: FEBS J, vol. 279, nr. 15, S. 2683-2694 [DOI](#) [WoS](#) 12 S.
2. Trachsel, Christian; Widmer, Christine; Kämpfer, Urs; Bühr, Claudia; Baumann, Thommy; Kuhn-Nentwig, Lucia; Schürch, Stefan; Schaller, Johann; Baumann, Ulrich (2012): Structural and biochemical characterization of native and recombinant single insulin-like growth factor-binding domain protein (SIBD-1) from the Central American Hunting Spider *Cupiennius salei* (Ctenidae), in: PROTEINS, vol. 80, nr. 9, S. 2323-2329 [DOI](#) [WoS](#) 7 S.

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Prof. Dr. Margit Schwikowski

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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1. Eichler, Anja; Tobler, Leonhard; Eyrikh, Stella; Gramlich, Gabriela; Malygina, Natalia; Papina, Tatyana; Schwikowski, Margit (2012): Three Centuries of Eastern European and Altai Lead Emissions Recorded in a Belukha Ice Core, in: ENVIRON SCI TECHNOL, vol. 46, nr. 8, S. 4323-4330 [\[DOI\]](#) [\[WoS\]](#) 8 S.
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PD Dr. Achim Stocker

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

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1. He, Xiaoqin; Lobsiger, Joel; Stocker, Achim (2012): Molecular Clues to Bothnia-Type Retinal Dystrophy, in: Matthew M. LaVail, John D. Ash, Robert E. Anderson, Joe G. Hollyfield, Christian Grimm (eds.): Retinal Degenerative Diseases, Springer Verlag, Heidelberg, Advances in Experimental Medicine and Biology 723, S. 589-594 [\[DOI\]](#) [\[WoS\]](#) 6 S.

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PD Dr. Sönke Szidat

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

C4: Tagungsbeitrag (Abstract / Poster)

1. Bahreini, Roya; Middlebrook, Ann M.; de Gouw, Joost A.; Warneke, Carsten; Trainer, Michael; Brock, Charles A.; Stark, Harald; Brown, Steven S.; Dube, William P.; Gilman, Jessica B.; Hall, Katharine; Holloway, John S.; Kuster, William C.; Perring, Anne E.; Prévôt, Andre S.H.; Schwarz, Joshua P.; Spackman, J. Ryan; Szidat, Soenke; Wagner, Nick L.; Weber, Rodney J.; Zotter, Peter; Parrish, David D. (2012): Organic Aerosol Formation and Processing in the Los Angeles Basin: Role of Gasoline vs. Diesel Emissions, in: AAAR 31st Annual Conference, Minneapolis MN, USA, 8.-12.10.2012, Abstract Book, American Association for Aerosol Research AAAR, S. 11CA.3 [\[Fulltext\]](#)
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2. Mohn, J.; [Szidat, S.](#); Zeyer, K.; Emmenegger, L. (2012): Fossil and biogenic CO₂ from waste incineration based on a yearlong radiocarbon study, in: WASTE MANAGE, vol. 32, nr. 8, S. 1616-1520 [\[DOI\]](#) [\[WoS\]](#) 5 S.
3. Zhang, Y.L.; Perron, N.; Ciobanu, V.G.; Zotter, P.; Minguillón, M.C.; Wacker, L.; Prévôt, A.S.H.; Baltensperger, U.; [Szidat, S.](#) (2012): On the isolation of OC and EC and the optimal strategy of radiocarbon-based source apportionment of carbonaceous aerosols, in: ATMOS CHEM PHYS, vol. 12, S. 10841-10856 [\[DOI\]](#) [\[WoS\]](#) 16 S.

[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Prof. Dr. Andreas Türler

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

C4: Tagungsbeitrag (Abstract / Poster)

1. Bunka, M.; Zhernosekov, K.; Müller, C.; Türler, A.; Schibli, R. (2012): Development of ⁴⁴Sc production for radiopharmaceutical applications, in: 8th Nuclear Chemistry and Radiochemistry Conference (NRC-8), Como, Italy, 16.-21.9.2012, ohne Verlag
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9. Türler, A. (2012): Experimental chemical investigation of superheavy elements, in: VIII Tours Symposium on Nuclear Physics and Astrophysics, Lenzkirch-Saig, Germany, 2.-7.9.2012, ohne Verlag
10. Türler, A. (2012): Experimental chemical investigation of superheavy elements, in: Tenth International Conference on Relativistic Effects in Heavy-Elements (REHE 2012), Corrientes, Argentina, 2.-16.9.2012, ohne Verlag
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D0: Artikel in Fachzeitschrift

1. Even, Julia; Yakushev, Alexander; Düllmann, Christoph E.; Dvorak, Jan; Eichler, Robert; Gothe, Oliver; Hild, Daniel; Jäger, Egon; Khuyagbaatar, Jadambaa; V.Kratz, Jens; Krier, Jörg; Niewisch, Lorenz; Nitsche, Heino; Pysmenetska, Inna; Schädel, Matthias; Schausten, Brigitta; Türler, Andreas; Wiehl, Norbert; Wittwer, David (2012): Rapid Synthesis of Radioactive Transition-Metal Carbonyl Complexes at Ambient Conditions, in: INORG CHEM, vol. 51, nr. 12, S. 6431-6433 [\[DOI\]](#) [\[WoS\]](#) 3 S.
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3. Türler, A (2012): Nuclear structure and reaction studies near doubly magic 270Hs, in: RADIOCHIM ACTA, vol. 100, nr. 2, S. 75-83 [\[DOI\]](#) [\[WoS\]](#) 9 S.
4. Usoltseva, I.; Eichler, R.; Dressler, R.; Piguet, D.; Wittwer, D.; Türler, A.; Brütsch, R.; Olsen, E.A.; Omtvedt, J.P.; Semchenkov, A. (2012): Preparation of Pd-based intermetallic targets for high intensity irradiations, in: NUCL INSTRUM METH A, vol. 691, S. 5-9 [\[DOI\]](#) [\[WoS\]](#) 5 S.

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Dr. Martina Vermathen

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

C4: Tagungsbeitrag (Abstract / Poster)

1. Vermathen, Martina; Marzorati, Mattia; Baumgartner, Daniel; Good, Claudia; Vermathen, Peter (2012): Application of ¹H HR-MAS NMR Spectroscopy for metabonomic studies on apples obtained from different growing system., in: 25th International Conference on Magnetic Resonance in Biological Systems (ICMRBS) 2012, 20.8.2012, Lyon, France, ohne Verlag

D0: Artikel in Fachzeitschrift

1. Alder, Adrian; Jamil, Muhammad; Marzorati, Mattia; Bruno, Mark; Vermathen, Martina; Bigler, Peter; Ghisla, Sandro; Bouwmeester, Harro; Beyer, Peter; Al-Babili, Salim (2012): The Path from β -Carotene to Carlactone, a Strigolactone-Like Plant Hormone, in: SCIENCE, vol. 335, nr. 6074, S. 1348-1351 [\[DOI\]](#) [\[WoS\]](#) 4 S.

D3: Tagungsbeitrag (Abstract / Poster)

1. Vermathen, Martina; Marzorati, Mattia; Baumgartner, Daniel; Good, Claudia; Vermathen, Peter (2012): ¹H HR-MAS NMR Spectroscopy to monitor the impact of different production systems on the metabolic profile of Golden Delicious apples, in: CHIMIA, vol. 66, nr. 7/8, S. P57

D6: Sonstige (Originalarbeit)

1. Vermathen, Martina; Marzorati, Mattia; Vermathen, Peter (2012): Exploring High-resolution Magic Angle Spinning (HR-MAS) NMR Spectroscopy for Metabonomic Analysis of Apples., in: CHIMIA, vol. 66, nr. 10, S. 747-51 [\[DOI\]](#) [\[PubMed\]](#) [\[WoS\]](#) 5 S.

G0: Mündliches

1. Vermathen, Martina; Marzorati, Mattia; Baumgartner, Daniel; Good, Claudia; Vermathen, Peter (2012): Impact of different cultivation methods on the metabolic profile of apples studied by ¹H HR-MAS NMR spectroscopy. 11th International Conference on the applications of Magnetic Resonance in Food 2012, 26.6.2012, Wageningen, Netherlands

[↑ Inhaltsverzeichnis \(Seite 2\)](#)

Prof. Dr. Thomas Wandlowski

Mitarbeiter/in akademisch/wissenschaftlich / Departement für Chemie und Biochemie (DCB)

C0: Artikel in Sammelband

1. Li, Chen; Mishchenko, Artem; Wandlowski, Thomas (2012): Charge Transport in Single Molecular Junctions at the Solid/Liquid Interface, in: Robert M. Metzger (eds.): Unimolecular and Supramolecular Electronics II, Springer Verlag, Heidelberg, Topics in Current Chemistry 313, S. 121-188 [\[DOI\]](#) 68 S.
2. Pobelov, Ilya V.; Li, Chen; Wandlowski, Thomas (2012): Electrochemical Scanning Tunneling Microscopy, in: Bharat Bhushan (ed.): Encyclopedia of Nanotechnology, Springer Verlag, Heidelberg, S. 688-702 [\[DOI\]](#) 15 S.

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1. Bürkle, M.; Viljas, J.K.; Vonlanthen, D.; Mishchenko, A.; Schön, G.; Mayor, M.; Wandlowski, T.; Pauly, F. (2012): Conduction mechanisms in biphenyl dithiol single-molecule junctions, in: PHYS REV B, vol. 85, nr. 7 [\[DOI\]](#) [\[WoS\]](#) 12 S.
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3. Hong, Wenjing J.; Manrique, David Zsolt; Moneno-Garcia, Pavel; Gulcur, Murat; Mishchenko, Artem; Lambert, Colin J.; Bryce, Martin R.; Wandlowski, Thomas (2012): Single Molecular Conductance of Tolanes: Experimental and Theoretical Study on the Junction Evolution Dependent on the Anchoring Group, in: J AM CHEM SOC, vol. 134, nr. 4, S. 2292-2304 [\[DOI\]](#) [\[WoS\]](#) 13 S.
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[↑ Inhaltsverzeichnis \(Seite 2\)](#)