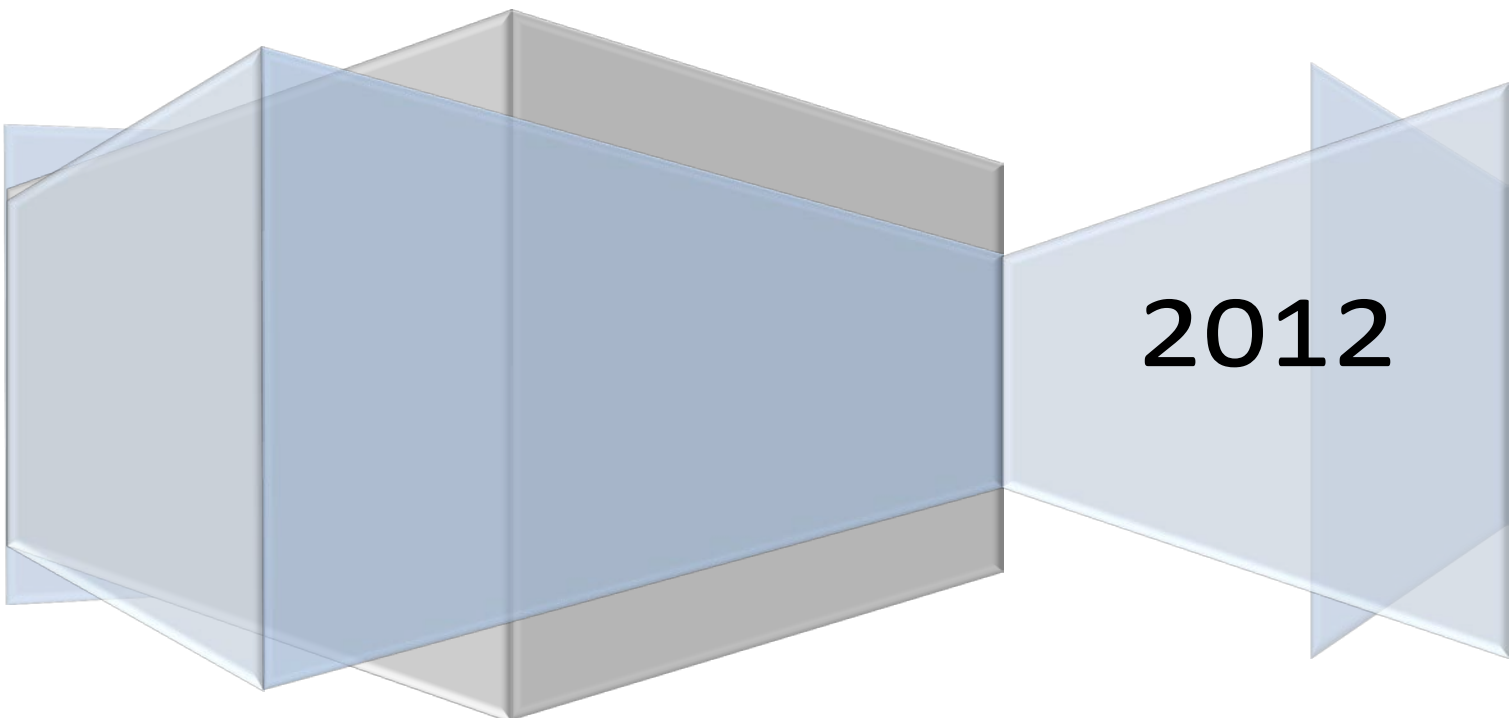



































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**UNIVERSITÄT
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PD Dr. Peter Broekmann

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.
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D3: Tagungsbeitrag (Abstract / Poster)

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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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3. Fois, E.; Tabacchi, G.; [Calzaferri, G.](#) (2012): Orientation and Order of Xanthene Dyes in the One-Dimensional Channels of Zeolite L: Bridging the Gap between Experimental Data and Molecular Behavior, in: J PHYS CHEM C, vol. 116, nr. 31, S. 16784-16799 [\[DOI\]](#) [\[WoS\]](#)

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Prof. Dr. Michele Cascella

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

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6. Wigginton, K.R.; Menin, L.; Sigstam, T.; Gannon, G.; Cascella, M.; Ben Hamidane, H.; Tsybin, Y.O.; Waridel, P.; Kohn, T. (2012): UV Radiation Induces Genome-Mediated, Site-Specific Cleavage in Viral Proteins, in: CHEMBIOCHEM, vol. 13, nr. 6, S. 837-845 [\[DOI\]](#) [\[WoS\]](#)

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PD Dr. Tamis Darbre

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

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1. Darbre, T. (2012): Dendritic glycopeptides as Pseudomonas aeruginosa biofilm inhibitors, Oral presentation, 32nd European Peptide symposium, Athens, Greece, 2-7 September 2012, in:, ohne Verlag

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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

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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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7. Li, Hui; Tang, Peng; Zhao, Yan; Liu, Shi-Xia; Aeschi, Yves; Deng, Lijun; Braun, Jörg; Zhao, Bin; Liu, Yunqi; Tan, Songting; Meier, Wolfgang; Decurtins, Silvio (2012): Benzodifuran-containing well-defined pi-conjugated polymers for photovoltaic cells, in: J POLYM SCI POLY CHEM, vol. 50, nr. 14, S. 2935-2943 [\[DOI\]](#) [\[WoS\]](#) 9 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.

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Prof. Dr. Roman Fasel

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

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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)
5. Paul, Lydia; [Furrer, Julien](#); Therrien, Bruno (2012): Monitoring the stability and the reactivity towards biological ligands of different ruthenium-hexacationic cages by NMR spectroscopy, in: 11th European Biological Inorganic Chemistry Conference, Granada, ohne Verlag (Posters)

D0: Artikel in Fachzeitschrift

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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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8. Paul, Lydia E.H.; Therrien, Bruno; [Furrer, Julien](#) (2012): Interaction of a ruthenium hexacationic prism with amino acids and biological ligands: ESI mass spectrometry and NMR characterisation of the reaction products, in: J BIOL INORG CHEM, vol. 17, nr. 7, S. 1053-1062 [\[DOI\]](#) [\[WoS\]](#) 10 S.

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1. Giannini, Federico; Süss-Fink, Georg; [Furrer, Julien](#) (2012): Highly cytotoxic trithiolato diruthenium complexes of the type $[\eta^6\text{-p-MeC}_6\text{H}_4\text{Pri})_2\text{Ru}_2(\text{SPh-R})_3]^+$: correlation between cytotoxicity, Hammett constants and lipophilicity, in: CHIMIA, vol. 66, nr. 7/8, S. 536 (Swiss Chemical Society, 2012 Fall Meeting, 13.9.2012, Zürich, Switzerland, Abstract Book)

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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, Høgner; [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 [\[DOI\]](#)

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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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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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Prof. Dr. Samuel Leutwyler

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Prof. Dr. Martin Lochner

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

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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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4. Jack, Thomas; Lochner, Martin (2012): Synthesis and testing of photoaffinity probes for the site-selective chemical modifications of the 5-HT3 receptor, in: CUSO summer school "Chemical Biology" book of abstracts, ohne Verlag, S. 25
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PD Dr. Piero Macchi

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

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1. Gatti, Carlo; Macchi, Piero (eds.) (2012): Modern Charge-Density Analysis, Springer Verlag, Heidelberg 783 S.

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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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Prof. Dr. Philippe Renaud

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

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- Povie, G.; Pozzi, D.; Villa, G.; Ford, L.; [Renaud, P.](#) (2012): Polar Effects in Hydrogen Atom Transfers from Catechols to Alkyl Radicals, SCS Fall Meeting, Zürich CH, 1.-5.7.2012, in: CHIMIA, vol. 66, nr. 572, S. 369 (Oral communication)
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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)

D0: Artikel in Fachzeitschrift

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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1. Helbling, R.E.; Aeschmann, W.; Simona, F.; Stocker, A.; Cascella, M. (2012): Engineering Tocopherol Selectivity in alpha-TTP: A Combined In Vitro/In Silico Study, in: PLOS ONE, vol. 7, nr. 11, S. e49195 [\[DOI\]](#) [\[WoS\]](#)

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1. Stocker, Achim (2012): Combined X-ray crystallographic, in situ UV-Vis and QM/MM studies highlight alternate retinal binding modes in CRALBP, Presentation given at the 15th International Conference on Retinal Proteins, 30.9.2012 in Ascona, Switzerland

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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.

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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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12. Wittwer, D.; Dressler, R.; Eichler, R.; Gäggeler, H.; Omtvedt, J.P.; Piguet, D.; Türler, A. (2012): On the fast release of tracer elements from metallic hosts - a step towards vacuum chromatography, in: 8th Nuclear Chemistry and Radiochemistry Conference (NRC-8), Como, Italy, 16.-21.9.2012, ohne Verlag

D0: Artikel in Fachzeitschrift

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2. Müller, Christina; Zhernosekov, Konstantin; Köster, Ulli; Johnston, Karl; Dorrer, Holger; Hohn, Alexander; van der Walt, Nico T.; Türler, Andreas; Schibli, Roger (2012): A Unique Matched Quadruplet of Terbium Radioisotopes for PET and SPECT and for α - and β^- -Radionuclide Therapy: An In Vivo Proof-of-Concept Study with a New Receptor-Targeted Folate Derivative, in: J NUCL MED, vol. 53, nr. 12, S. 1951-1959 [\[DOI\]](#) [\[WoS\]](#) 9 S.
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

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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.
2. Bürkle, M.; Zotti, L.A.; Viljas, J.K.; Vonlanthen, D.; Mishchenko, A.; Wandlowski, T.; Mayor, M.; Schön, G.; Pauly, F. (2012): Ab initio study of the thermopower of biphenyl-based single-molecule junctions, in: PHYS REV B, vol. 86, nr. 11 [\[DOI\]](#) [\[WoS\]](#) 8 S.
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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