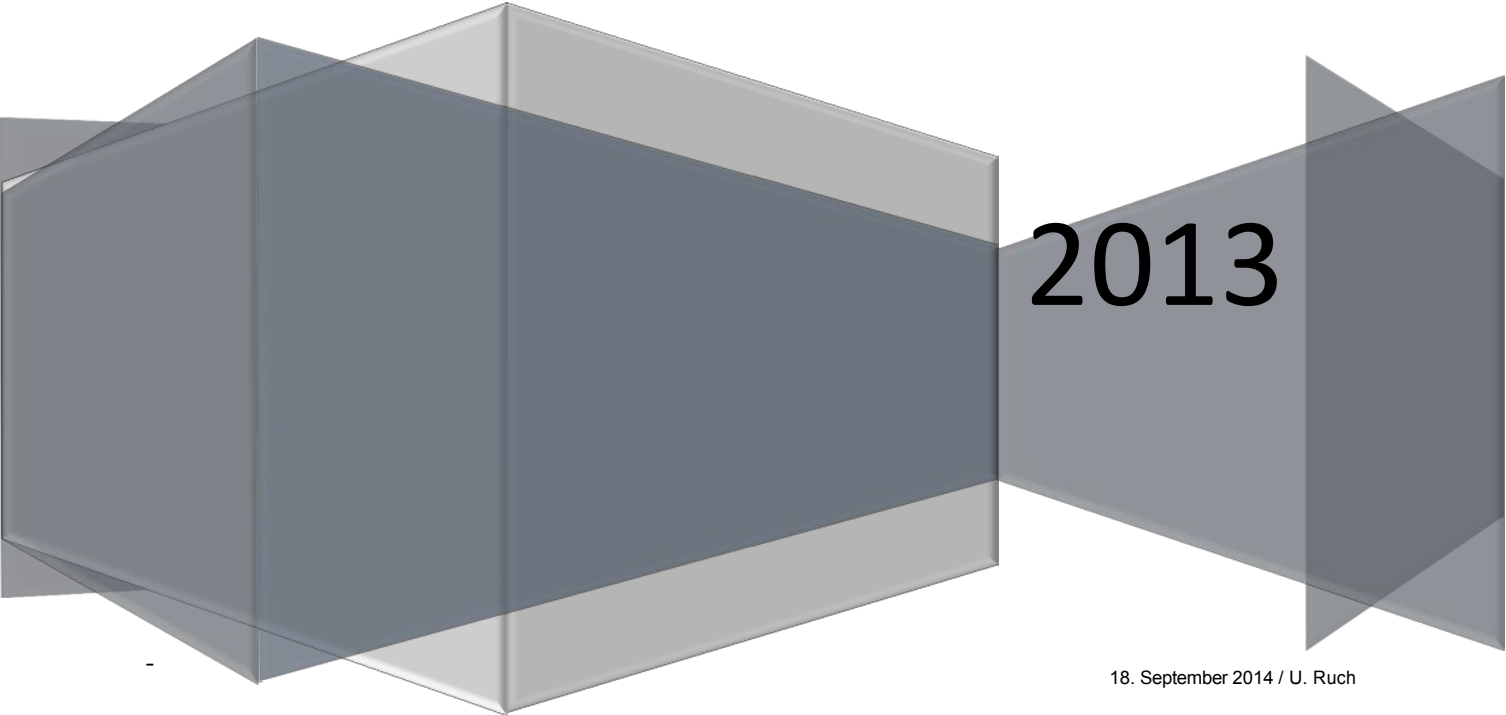


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Zeitschriftenartikel

1. Huynh, Thi; Weiss, Florian; Nguyen, Thi; Reckien, Werner; Bredow, Thomas; Fluegel, Alexander; Arnold, Marco; Mayer, Dieter; Keller, Hubert; Broekmann, Peter (2013). *On the role of halides and thiols in additive-assisted copper electroplating*. Electrochimica acta, 89, S. 537-548. Elsevier Science [10.1016/j.electacta.2012.10.152](https://doi.org/10.1016/j.electacta.2012.10.152)
2. Hai, N. T. M.; Furrer, Julien; Gjuroski, Ilche; Bircher, M. P.; Cascella, Michele; Broekmann, Peter (2013). *On the Acceleration of Cu Electrodeposition by TBPS (3,3-thiobis-1-propanesulfonic acid): A Combined Electrochemical, STM, NMR, ESI-MS and DFT Study*. Journal of the electrochemical society, 160(12), D3158-D3164. The Electrochemical Society [10.1149/2.030312jes](https://doi.org/10.1149/2.030312jes)
3. Hai, N. T. M.; Furrer, Julien; Stricker, Florian; Huynh, T. M. T.; Gjuroski, Ilche; Luedi, N.; Brunner, T.; Weiss, F.; Fluegel, A.; Arnold, M.; Chang, I.; Mayer, D.; Broekmann, Peter (2013). *Polyvinylpyrrolidones (PVPs): Switchable Leveler Additives for Damascene Applications*. Journal of the electrochemical society, 160(12), D3116-D3125. The Electrochemical Society [10.1149/2.019312jes](https://doi.org/10.1149/2.019312jes)
4. Huynh, Thi; Nguyen, Thi; Broekmann, Peter (2013). *Quasi-Reversible Interaction of MPS and Chloride on Cu(100) Studied by In Situ STM*. Journal of the electrochemical society, 160(12), D3063-D3069. Electrochemical Society (ECS) [10.1149/2.012312jes](https://doi.org/10.1149/2.012312jes)
5. Nguyen, Thi; Janser, Ariane Félice; Lüdi, Nicola; Broekmann, Peter (2013). *Tailored Design of Suppressor Additives for Copper Plating by Combining Functionalities*. ECS electrochemistry letters, 2(11), D52-D54. Electrochemical Society (ECS) [10.1149/2.005311eel](https://doi.org/10.1149/2.005311eel)

Zeitschriftenartikel

1. Zhou, Xiuwen; Wesolowski, Tomasz A.; Tabacchi, Gloria; Fois, Ettore; Calzaferri, Gion; Devaux, André (2013). *First-principles simulation of the absorption bands of fluorenone in zeolite L*. Physical Chemistry Chemical Physics, 15(1), S. 159-167. Royal Society of Chemistry [10.1039/C2CP42750H](https://doi.org/10.1039/C2CP42750H)
2. Fois, Ettore; Tabacchi, Gloria; Devaux, André; Belser, Peter; Brühwiler, Dominik; Calzaferri, Gion (2013). *Host-Guest Interactions and Orientation of Dyes in the One-Dimensional Channels of Zeolite L*. Langmuir, 29(29), S. 9188-9198. American Chemical Society [10.1021/la400579w](https://doi.org/10.1021/la400579w)
3. Vybornyi, Mykhailo; Rudnev, Alexander; Langenegger, Simon Matthias; Wandlowski, Thomas; Calzaferri, Gion; Häner, Robert (2013). *Formation of Two-Dimensional Supramolecular Polymers by Amphiphilic Pyrene Oligomers*. Angewandte Chemie (International ed.), 52(44), S. 11488-11493. Weinheim: Wiley-VCH [10.1002/anie.201307029](https://doi.org/10.1002/anie.201307029)
4. Devaux, André; Calzaferri, Gion; Miletto, Ivana; Cao, Pengpeng; Belser, Peter; Brühwiler, Dominik; Khorev, Oleg; Häner, Robert; Kunzmann, Andreas (2013). *Self-Absorption and Luminescence Quantum Yields of Dye-Zeolite L Composites*. Journal of physical chemistry. C, 117(44), S. 23034-23047. Washington, D.C.: American Chemical Society [10.1021/jp408556g](https://doi.org/10.1021/jp408556g)

Konferenzbeitrag

1. Vybornyi, Mykhailo; Rudnev, Alexander; Langenegger, Simon Matthias; Wandlowski, Thomas; Calzaferri, Gion; Häner, Robert (22 August 2013). *Two-dimensional supramolecular polymers (Unveröffentlicht)*. In: APME2013. Durham, UK. 18.-22.8.2013.

Zeitschriftenartikel

1. Collu, Francesca; Cascella, Michele (2013). *Multidrug Resistance and Efflux Pumps: Insights from Molecular Dynamics Simulations*. CURRENT TOPICS IN MEDICINAL CHEMISTRY, 13(24), S. 3165-3183. Bentham Science Publishers
2. Simona, Fabio; Nussbaumer, Alina L.; Häner, Robert; Cascella, Michele (2013). *Supramolecular Organization of Heptapyrenotide Oligomers—An in Depth Investigation by Molecular Dynamics Simulations*. Journal of physical chemistry. B, 117(8), S. 2576-2585. Washington, D.C.: American Chemical Society [10.1021/jp310320f](https://doi.org/10.1021/jp310320f)
3. Helbling, Rachel E.; Bolze, Christin Saskia; Golczak, Marcin; Palczewski, Krzysztof; Stocker, Achim; Cascella, Michele (2013). *Cellular Retinaldehyde Binding Protein—Different Binding Modes and Micro-Solvation Patterns for High-Affinity 9- cis - and 11- cis - Retinal Substrates*. The Journal of Physical Chemistry B, 117(37), S. 10719-10729. American Chemical Society [10.1021/jp405410t](https://doi.org/10.1021/jp405410t)
4. Cascella, Michele; Bärnass, Simon; Stocker, Achim (2013). *Cis-retinoids and the chemistry of vision*. Archives of biochemistry and biophysics, 539(2), S. 187-195. Elsevier [10.1016/j.abb.2013.06.003](https://doi.org/10.1016/j.abb.2013.06.003)
5. Hai, N. T. M.; Furrer, Julien; Gjuroski, Ilche; Bircher, M. P.; Cascella, Michele; Broekmann, Peter (2013). *On the Acceleration of Cu Electrodeposition by TBPS (3,3-thiobis-1-propanesulfonic acid): A Combined Electrochemical, STM, NMR, ESI-MS and DFT Study*. Journal of the electrochemical society, 160(12), D3158-D3164. The Electrochemical Society [10.1149/2.030312jes](https://doi.org/10.1149/2.030312jes)
6. Ravi, Harish Kumar; Stach, Michaela; Soares, Thereza; Darbre, Tamis; Reymond, Jean-Louis; Cascella, Michele (2013). *Electrostatics and Flexibility Drive Membrane Recognition and Early Penetration by Antimicrobial Peptide Dendrimer bH1*. Chemical communications, 49(78), S. 8821-8823. Royal Society of Chemistry [10.1039/C3CC44912B](https://doi.org/10.1039/C3CC44912B)
7. Spiga, Enrico; Alemani, Davide; Degiacomi, Matteo; Cascella, Michele; Dal Peraro, Matteo (2013). *Electrostatic-consistent coarse-grained potentials for molecular simulations of proteins*. Journal of chemical theory and computation, 9(8), S. 3515-3526. American Chemical Society [10.1021/ct400137q](https://doi.org/10.1021/ct400137q)
8. Sigstam, Thérèse; Gannon, Gregory; Cascella, Michele; Pecson, Brian M.; Wigginton, Krista R.; Kohn, Tamar (2013). *Subtle differences in virus composition affect disinfection kinetics and mechanisms*. Applied and environmental microbiology, 79(11), S. 3455-3467. American Society for Microbiology [10.1128/AEM.00663-13](https://doi.org/10.1128/AEM.00663-13)

Zeitschriftenartikel

1. Bernardi, Anna; Jiménez-Barbero, Jesus; Casnati, Alessandro; De Castro, Cristina; Darbre, Tamis; Fieschi, Franck; Finne, Jukka; Funken, Horst; Jaeger, Karl-Erich; Lahmann, Martina; Lindhorst, Thisbe K.; Marradi, Marco; Messner, Paul; Molinaro, Antonio; Murphy, Paul V.; Nativi, Cristina; Oscarson, Stefan; Penadés, Soledad; Peri, Francesco; Pieters, Roland J.; ... (2013). *Multivalent glycoconjugates as anti-pathogenic agents*. Chemical Society reviews, 42(11), S. 4709-4727. Royal Society of Chemistry [10.1039/C2CS35408J](https://doi.org/10.1039/C2CS35408J)
2. Geotti-Bianchini, Piero; Darbre, Tamis; Reymond, Jean-Louis (2013). *pH-tuned metal coordination and peroxidase activity of a peptide dendrimer enzyme model with a Fe(ii)bipyridine at its core*. Organic & biomolecular chemistry, 11(2), S. 344-352. Royal Society of Chemistry [10.1039/c2ob26551f](https://doi.org/10.1039/c2ob26551f)
3. Kadam, Rameshwar U.; Bergmann, Myriam; Garg, Divita; Gabrieli, Gabriele; Stocker, Achim; Darbre, Tamis; Reymond, Jean-Louis (2013). *Structure-Based Optimization of the Terminal Tripeptide in Glycopeptide Dendrimer Inhibitors of Pseudomonas aeruginosa Biofilms Targeting LecA*. Chemistry - a European journal, 19(50), S. 17054-17063. Wiley-VCH [10.1002/chem.201302587](https://doi.org/10.1002/chem.201302587)
4. Kadam, Rameshwar U.; Garg, Divita; Schwartz, Julian; Visini, Ricardo; Sattler, Michael; Stocker, Achim; Darbre, Tamis; Reymond, Jean-Louis (2013). *CH- π "T-Shape" Interaction with Histidine Explains Binding of Aromatic Galactosides to Pseudomonas aeruginosa Lectin LecA*. ACS Chemical Biology, 8(9), S. 1925-1930. American Chemical Society [10.1021/cb400303w](https://doi.org/10.1021/cb400303w)
5. Ravi, Harish Kumar; Stach, Michaela; Soares, Thereza; Darbre, Tamis; Reymond, Jean-Louis; Cascella, Michele (2013). *Electrostatics and Flexibility Drive Membrane Recognition and Early Penetration by Antimicrobial Peptide Dendrimer bH1*. Chemical communications, 49(78), S. 8821-8823. Royal Society of Chemistry [10.1039/C3CC44912B](https://doi.org/10.1039/C3CC44912B)
6. Reymond, Jean-Louis; Bergmann, Myriam; Darbre, Tamis (2013). *Glycopeptide dendrimers as Pseudomonas aeruginosa biofilm inhibitors*. Chemical Society reviews, 42(11), S. 4814-4822. Royal Society of Chemistry [10.1039/c3cs35504g](https://doi.org/10.1039/c3cs35504g)
7. Gerber, S.; Lizak, C.; Michaud, Gaëlle; Bucher, M.; Darbre, Tamis; Aebi, M.; Reymond, Jean-Louis; Locher, K. P. (2013). *Mechanism of bacterial oligosaccharyltransferase: in vitro quantification of sequon binding and catalysis*. Journal of biological chemistry, 288(13), S. 8849-8861. American Society for Biochemistry and Molecular Biology [10.1074/jbc.M112.445940](https://doi.org/10.1074/jbc.M112.445940)
8. Kwok, Albert; Eggimann, Gabriela; Reymond, Jean-Louis; Darbre, Tamis; Hollfelder, Florian (2013). *Peptide Dendrimer/Lipid Hybrid Systems Are Efficient DNA Transfection Reagents: Structure-Activity Relationships Highlight the Role of Charge Distribution Across Dendrimer Generations*. ACS nano, 7(5), S. 4668-4682. American Chemical Society [10.1021/nn400343z](https://doi.org/10.1021/nn400343z)
9. Eggimann, Gabriela; Buschor, Stefanie; Darbre, Tamis; Reymond, Jean-Louis (2013). *Convergent synthesis and cellular uptake of multivalent cell penetrating peptides derived from Tat, Antp, pVEC, TP10 and SAP*. Organic & biomolecular chemistry, 11(39), S. 6717-6733. Royal Society of Chemistry [10.1039/c3ob41023d](https://doi.org/10.1039/c3ob41023d)

10. Lizak, Christian; Gerber, Sabina; Michaud, Gaëlle; Schubert, Mario; Fan, Yao-Yun; Bucher, Monika; Darbre, Tamis; Aebi, Markus; Reymond, Jean-Louis; Locher, Kaspar P. (2013). [Unexpected reactivity and mechanism of carboxamide activation in bacterial N-linked protein glycosylation](#). Nature communications, 4(2627) Nature Publishing Group [10.1038/ncomms3627](#)
11. Reymond, Jean-Louis; Darbre, Tamis (2013). [Expanding the Topological Space of Bioactive Peptides](#). CHIMIA International Journal for Chemistry, 67(12), S. 864-867. Swiss Chemical Society [10.2533/chimia.2013.864](#)
12. Filipe, Luis C. S.; Machuqueiro, Miguel; Darbre, Tamis; et al. (2013) [Unraveling the Conformational Determinants of Peptide Dendrimers Using Molecular Dynamics Simulations](#). MACROMOLECULES 46(23, S. 9427-9436 [10.1021/ma401574b](#)

Zeitschriftenartikel

1. Aeschi, Yves; Li, Hui; Cao, Z. C.; Chen, Songjie; Amacher, Anneliese; Bieri, Nathalie; Özen, Bilal; Hauser, Jürg; Decurtins, Silvio; Tan, S. T.; Liu, Shi-Xia (2013). *Directed Metalation Cascade To Access Highly Functionalized Thieno2,3-benzofuran and Exploration as Building Blocks for Organic Electronics*. Organic letters, 15(21), S. 5586-5589. American Chemical Society [10.1021/OI402787d](https://doi.org/10.1021/OI402787d)
2. Dulcevscaia, Galina; Liu, Shi-Xia; Hauser, Jürg; Krämer, Karl; Frei, Gabriela Claudia; Möller, Andreas; Decurtins, Silvio (2013). *A Benzaldehyde Derivative as a Chelating Ligand: Helical Manganese(II) Coordination Polymers Assembling into a Porous Solid*. Crystal growth & design, 13(9), S. 4138-4144. Washington, D.C.: American Chemical Society [10.1021/cg400972k](https://doi.org/10.1021/cg400972k)
3. Li, Hui; Yi, Chenyi; Moussi, S.; Liu, Shi-Xia; Daul, C.; Grätzel, M.; Decurtins, Silvio (2013). *Benzo1,2-b:4,5-b' difuran-based sensitizers for dye-sensitized solar cells*. RSC Advances, 3(43), S. 19798-19801. Royal Society of Chemistry [10.1039/C3ra43669a](https://doi.org/10.1039/C3ra43669a)
4. Sharga, Olena V.; Lysenko, Andrey B.; Handke, Marcel; Krautscheid, Harald; Rusanov, Eduard B.; Chernega, Alexander N.; Krämer, Karl; Liu, Shi-Xia; Decurtins, Silvio; Bridgeman, Adam; Domasevitch, Konstantin V. (2013). *Unprecedented Trapping of Difluorooctamolybdate Anions within an α -Polonium Type Coordination Network*. Inorganic chemistry, 52(15), S. 8784-8794. Washington, D.C.: American Chemical Society [10.1021/ic400954x](https://doi.org/10.1021/ic400954x)
5. Dulcevscaia, Galina; Kravtsov, V. C.; Macaev, F. Z.; Duca, G. G.; Stingachi, E. P.; Pogrebnoi, S. I.; Boldescu, V. V.; Clapco, S. F.; Tiurina, J. P.; Deseatnic-Ciloci, A. A.; Lipkowski, J.; Liu, S. X.; Decurtins, Silvio; Baca, S. G. (2013). *New copper(II) complexes with isoconazole: Synthesis, structures and biological properties*. Polyhedron, 52, S. 106-114. Elsevier [10.1016/j.poly.2012.10.040](https://doi.org/10.1016/j.poly.2012.10.040)
6. Li, Hui; Ding, J.; Chen, Songjie; Beyer, C.; Liu, Shi-Xia; Wagenknecht, H. A.; Hauser, A.; Decurtins, Silvio (2013). *Synthesis and Redox and Photophysical Properties of Benzodifuran-Spiropyran Ensembles*. Chemistry - a European journal, 19(20), S. 6459-6466. Wiley-VCH [10.1002/chem.201204043](https://doi.org/10.1002/chem.201204043)
7. Pfattner, R.; Pavlica, E.; Jaggi, Michael; Liu, Shi-Xia; Decurtins, Silvio; Bratina, G.; Veciana, J.; Mas-Torrent, M.; Rovira, C. (2013). *Photo-induced intramolecular charge transfer in an ambipolar field-effect transistor based on a pi-conjugated donor-acceptor dyad*. Journal of Materials Chemistry C, 1(25), S. 3985-3988. Royal Society of Chemistry [10.1039/c3tc30442f](https://doi.org/10.1039/c3tc30442f)
8. Senchyk, Ganna A.; Lysenko, Andrey B.; Krautscheid, Harald; Rusanov, Eduard B.; Chernega, Alexander N.; Krämer, Karl; Liu, Shi-Xia; Decurtins, Silvio; Domasevitch, Konstantin V. (2013). *Functionalized Adamantane Tectons Used in the Design of Mixed-Ligand Copper(II) 1,2,4-Triazolyl/Carboxylate Metal–Organic Frameworks*. Inorganic chemistry, 52(2), S. 863-872. Washington, D.C.: American Chemical Society [10.1021/ic3020157](https://doi.org/10.1021/ic3020157)
9. Dupont, N.; Ran, Ying-Fen; Liu, Shi-Xia; Grilj, J.; Vauthey, E.; Decurtins, Silvio; Hauser, A. (2013). *A Donor-Acceptor Tetrathiafulvalene Ligand Complexed to Iron(II): Synthesis, Electrochemistry, and Spectroscopy of Fe(phen)(2)(TTF-dppz)(PF6)(2)*. Inorganic chemistry, 52(1), S. 306-312. American Chemical Society [10.1021/ic3019277](https://doi.org/10.1021/ic3019277)

10. Jia, Chunyang; Ding, J.; Liu, Shi-Xia; Labat, G.; Neels, A.; Hauser, A.; Decurtins, Silvio (2013). *A Pt(II) complex with both a phenanthroline and a tetrathiafulvalene-extended dithiolate ligand: Synthesis, crystal structure, electrochemical and spectroscopic properties*. Polyhedron, 55, S. 87-91. Elsevier [10.1016/j.poly.2013.02.064](https://doi.org/10.1016/j.poly.2013.02.064)
11. Pop, F.; Amacher, Anneliese; Avarvari, N.; Ding, J.; Daku, L. M. L.; Hauser, A.; Koch, M.; Hauser, Jürg; Liu, Shi-Xia; Decurtins, Silvio (2013). *Tetrathiafulvalene - Benzothiadiazoles as Redox-Tunable Donor - Acceptor Systems: Synthesis and Photophysical Study*. Chemistry - a European journal, 19(7), S. 2504-2514. Wiley-VCH [10.1002/chem.201202742](https://doi.org/10.1002/chem.201202742)
12. Li, Hui; Schubert, C.; Dral, P. O.; Costa, R. D.; La Rosa, A.; Thüring, Jürg; Liu, Shi-Xia; Yi, Chenyi; Filippone, S.; Martin, N.; Decurtins, Silvio; Clark, T.; Guldi, D. M. (2013). *Probing Charge Transfer in Benzodifuran-C-60 Dumbbell-Type Electron Donor-Acceptor Conjugates: Ground- and Excited-State Assays*. ChemPhysChem, 14(13), S. 2910-2919. Wiley-VCH [10.1002/cphc.201300378](https://doi.org/10.1002/cphc.201300378)
13. Wäckerlin, C.; Nowakowski, J.; Liu, Shi-Xia; Jaggi, Michael; Siewert, D.; Girovsky, J.; Shchyrba, A.; Hahlen, T.; Kleibert, A.; Oppeneer, P. M.; Nolting, F.; Decurtins, Silvio; Jung, T. A.; Ballav, N. (2013). *Two-Dimensional Supramolecular Electron Spin Arrays*. Advanced materials, 25(17), S. 2404-2408. Wiley-VCH [10.1002/adma.201204274](https://doi.org/10.1002/adma.201204274)

Zeitschriftenartikel

1. Serov, A.; Eichler, R.; Dressler, R.; Piguet, D.; Türlér, A.; Vögele, A.; Wittwer, D.; Gäggeler, H. W. (2013). *Adsorption interaction of carrier-free thallium species with gold and quartz surfaces*. Radiochimica acta, 101(7), S. 421-425. Oldenbourg [10.1524/ract.2013.2045](#)
2. Wittwer, D.; Dressler, R.; Eichler, R.; Gäggeler, H. W.; Türlér, A. (2013). *Prediction of the thermal release of transactinide elements ($112 \leq Z \leq 116$) from metals*. Radiochimica Acta, 101(4), S. 211-219. Oldenbourg [10.1524/ract.2013.2027](#)
3. Eichler, R. (2013). *First foot prints of chemistry on the shore of the Island of Superheavy Elements*. Journal of Physics: Conference Series, 420, 012003. Institute of Physics Publishing IOP [10.1088/1742-6596/420/1/012003](#)
4. Wittwer, David; Dressler, Rugard; Eichler, Robert; Gäggeler, Heinz W; Piguet, David; Türlér, Andreas (2013). *Thermal release rate studies of nuclear reaction products from polycrystalline metal matrices*. Nuclear instruments & methods in physics research. Section B - beam interactions with materials and atoms, 287, S. 86-93. North-Holland [10.1016/j.nimb.2012.11.021](#)

Zeitschriftenartikel

1. Pathipati, S.R.; Pavlica, E.; Treossi, E.; Rizzoli, R.; Veronese, G.P.; Palermo, V.; Chen, L.; Beljonne, D.; Cai, J.; Fasel, R.; Ruffieux, P.; Bratina, G. (2013). *Modulation of charge transport properties of reduced graphene oxide by submonolayer physisorption of an organic dye*. Organic Electronics 14 (7), S 1787-1792. Elsevier [10.1016/j.orgel.2013.03.005](https://doi.org/10.1016/j.orgel.2013.03.005)
2. Schluetter, F.; Rossel, F.; Kivala, M.; Enkelmann, V.; Gisselbrecht, J.-P.; Ruffieux, P.; Fasel, R.; Muellen, K. (2013). *pi-Conjugated Heterotriangulene Macrocycles by Solution and Surface-supported Synthesis toward Honeycomb Networks*. Journal of the American Chemical Society, 135 (11), S. 4550-4557. American Chemical Society [10.1021/ja400857g](https://doi.org/10.1021/ja400857g)
3. Talirz, L.; Soede, H.; Cai, J.; Ruffieux, P.; Blankenburg, S.; Jafaar, R.; Berger, R.; Feng, X.; Muellen, K.; Passerone, D.; Fasel, R.; Pignedoli C.A. (2013). *Termini of Bottom-Up Fabricated Graphene Nanoribbons*. Journal of the American Chemical Society, 135 (6), S. 2060-2063 American Chemical Society [10.1021/ja311099k](https://doi.org/10.1021/ja311099k)

Zeitschriftenartikel

1. Furrer, Mona A.; Garci, Amine; Denoyelle-Di-Muro, Emmanuel; Trouillas, Patrick; Giannini, Federico; Furrer, Julien; Clavel, Catherine M.; Dyson, Paul J.; Süss-Fink, Georg; Therrien, Bruno (2013). *Synthesis, Characterisation and In Vitro Anticancer Activity of Hexanuclear Thiolato-Bridged Arene Ruthenium Metalla-Prisms*. Chemistry - a European journal, 19(9), S. 3198-3203. Wiley-VCH [10.1002/chem.201203712](https://doi.org/10.1002/chem.201203712)
2. Giannini, Federico; Furrer, Julien; Süss-Fink, Georg; Clavel, Catherine M.; Dyson, Paul J. (2013). *Synthesis, characterization and in vitro anticancer activity of highly cytotoxic trithiolato diruthenium complexes of the type $[(\eta^6\text{-}p\text{-MeC}_6\text{H}_4\text{iPr})_2\text{Ru}_2(\mu_2\text{-SR}_1)_2(\mu_2\text{-SR}_2)]^+$ containing different thiolato bridges*. Journal of organometallic chemistry, 744, S. 41-48. Elsevier [10.1016/j.jorgchem.2013.04.049](https://doi.org/10.1016/j.jorgchem.2013.04.049)
3. Giannini, Federico; Paul, Lydia E. H.; Furrer, Julien; Therrien, Bruno; Süss-Fink, Georg (2013). *Highly cytotoxic diruthenium trithiolato complexes of the type $[(\eta^6\text{-}p\text{-MeC}_6\text{H}_4\text{Pri})_2\text{Ru}_2(\mu_2\text{-SR})_3]^+$: synthesis, characterization, molecular structure and in vitro anticancer activity*. New journal of chemistry, 37(11), S. 3503. Royal Society of Chemistry [10.1039/c3nj00476g](https://doi.org/10.1039/c3nj00476g)
4. Gupta, Gajendra; Garci, Amine; Murray, Benjamin S.; Dyson, Paul J.; Fabre, Gabin; Trouillas, Patrick; Giannini, Federico; Furrer, Julien; Süss-Fink, Georg; Therrien, Bruno (2013). *Synthesis, molecular structure, computational study and in vitro anticancer activity of dinuclear thiolato-bridged pentamethylcyclopentadienyl Rh(iii) and Ir(iii) complexes*. Dalton transactions, 42(43), S. 15457. Royal Society of Chemistry [10.1039/c3dt51991k](https://doi.org/10.1039/c3dt51991k)
5. Hai, N. T. M.; Furrer, Julien; Gjuroski, Ilche; Bircher, M. P.; Cascella, Michele; Broekmann, Peter (2013). *On the Acceleration of Cu Electrodeposition by TBPS (3,3-thiobis-1-propanesulfonic acid): A Combined Electrochemical, STM, NMR, ESI-MS and DFT Study*. Journal of the electrochemical society, 160(12), D3158-D3164. The Electrochemical Society [10.1149/2.030312jes](https://doi.org/10.1149/2.030312jes)
6. Hai, N. T. M.; Furrer, Julien; Stricker, Florian; Huynh, T. M. T.; Gjuroski, Ilche; Luedi, N.; Brunner, T.; Weiss, F.; Fluegel, A.; Arnold, M.; Chang, I.; Mayer, D.; Broekmann, Peter (2013). *Polyvinylpyrrolidones (PVPs): Switchable Leveler Additives for Damascene Applications*. Journal of the electrochemical society, 160(12), D3116-D3125. The Electrochemical Society [10.1149/2.019312jes](https://doi.org/10.1149/2.019312jes)
7. Paul, Lydia E. H.; Furrer, Julien; Therrien, Bruno (2013). *Reactions of a cytotoxic hexanuclear arene ruthenium assembly with biological ligands*. Journal of organometallic chemistry, 734, S. 45-52. Elsevier [10.1016/j.jorgchem.2012.12.011](https://doi.org/10.1016/j.jorgchem.2012.12.011)

Konferenzbeitrag

1. Giannini, Federico; Süss-Fink, G; Furrer, Julien (Juli 2013). *Trithiolato-Bridged Dinuclear p-Cymene Ruthenium Complexes: A Study of their High in vitro Anticancer Activity*. BioInorganic Reaction Mechanisms, 9(1-4). De Gruyter

2. Giannini, Federico; Süss-Fink, G; Furrer, Julien (Juli 2013). *Trithiolato-Bridged Dinuclear p-Cymene Ruthenium Complexes: A Study of their High in vitro Anticancer Activity (Unveröffentlicht)*. In: International Conference on Bioinorganic Chemistry (ICBIC16). Grenoble. 22.-26.07.2013.
3. Vermathen, Martina; Paul, Lydia; Furrer, Julien (2013). *Effect of a hexanuclear ruthenium complex on the metabolic profile of cancer cells studied by ¹H HR-MAS NMR spectroscopy*. In: Small Molecule NMR Conference (SMASH). SMASH
4. Hädener, Marianne; Furrer, Julien; Vermathen, Martina (2013). *NMR spectroscopic investigations of porphyrinic photosensitizers with nanoparticles as carrier systems*. Chimia, 67(7-8/MC093), S. 542. Schweizerische Chemische Gesellschaft
5. Egbewande, Folake Adeola; Paul, Lydia; Furrer, Julien (2013). *Synthesis, characterization and cytotoxicity of (η^6 -p-cymene)-ruthenium(II) complexes of α -amino acids and nucleotides*. Chimia, 67(7-8), S. 511. Schweizerische Chemische Gesellschaft
6. Giannini, Federico; Süss-Fink, G; Furrer, Julien (2013). *Trithiolato-Bridged Dinuclear p-Cymene Ruthenium Complexes: A Study of their High in vitro Anticancer Activity*. Chimia, 67(7-8), S. 461. Schweizerische Chemische Gesellschaft

Zeitschriftenartikel

1. Vybornyi, Mykhailo; Rudnev, Alexander; Langenegger, Simon Matthias; Wandlowski, Thomas; Calzaferri, Gion; Häner, Robert (2013). *Formation of Two-Dimensional Supramolecular Polymers by Amphiphilic Pyrene Oligomers*. Angewandte Chemie (International ed.), 52(44), S. 11488-11493. Weinheim: Wiley-VCH [10.1002/anie.201307029](https://doi.org/10.1002/anie.201307029)
2. Devaux, André; Calzaferri, Gion; Miletto, Ivana; Cao, Pengpeng; Belser, Peter; Brühwiler, Dominik; Khorev, Oleg; Häner, Robert; Kunzmann, Andreas (2013). *Self-Absorption and Luminescence Quantum Yields of Dye-Zeolite L Composites*. Journal of physical chemistry. C, 117(44), S. 23034-23047. Washington, D.C.: American Chemical Society [10.1021/jp408556g](https://doi.org/10.1021/jp408556g)
3. Koch, Tamara; Peutzfeldt, Anne; Malinovskii, Vladimir; Flury, Simon; Häner, Robert; Lussi, Adrian (2013). *Temporary zinc oxide-eugenol cement: eugenol quantity in dentin and bond strength of resin composite*. European journal of oral sciences, 121(4), S. 363-369. Chichester: Wiley-Blackwell [10.1111/eos.12053](https://doi.org/10.1111/eos.12053)
4. Li, Shaoguang; Langenegger, Simon Matthias; Häner, Robert (2013). *Control of aggregation-induced emission by DNA hybridization*. Chemical communications , 49, S. 5835-5837. Cambridge: Royal Society of Chemistry [10.1039/C3CC42706D](https://doi.org/10.1039/C3CC42706D)
5. Markova, Larysa I.; Malinovskii, Vladimir L.; Patsenker, Leonid D.; Häner, Robert (2013). *J- vs. H-type assembly: pentamethine cyanine (Cy5) as a near-IR chiroptical reporter*. Chemical communications , 49, S. 5298-5300. Cambridge: Royal Society of Chemistry [10.1039/C3CC42103A](https://doi.org/10.1039/C3CC42103A)
6. Simona, Fabio; Nussbaumer, Alina L.; Häner, Robert; Cascella, Michele (2013). *Supramolecular Organization of Heptapyrenotide Oligomers—An in Depth Investigation by Molecular Dynamics Simulations*. Journal of physical chemistry. B, 117(8), S. 2576-2585. Washington, D.C.: American Chemical Society [10.1021/jp310320f](https://doi.org/10.1021/jp310320f)

Konferenzbeitrag

1. Rajkowska, Katarzyna; Probst, Markus; Häner, Robert (6 September 2013). *Combinatorial chromophore assembly inside a DNA four-way junction*. Chimia, 67(7/8), S. 523. Schweizerische Chemische Gesellschaft [10.2533/chimia.2013.519](https://doi.org/10.2533/chimia.2013.519)
2. Vybornyi, Mykhailo; Langenegger, Simon Matthias; Häner, Robert (6 September 2013). *DNA-multiporphyrinic systems: promising objects for materials science*. CHIMIA, 2013(7-8), S. 552. Schweizerische Chemische Gesellschaft
3. Vybornyi, Mykhailo; Rudnev, Alexander; Wandlowski, Thomas; Langenegger, Simon Matthias; Häner, Robert (6 September 2013). *2D supramolecular polymers: nanosized, water-soluble "sheets"*. CHIMIA, 2013(7-8), S. 552. Schweizerische Chemische Gesellschaft
4. Vybornyi, Mykhailo; Rudnev, Alexander; Langenegger, Simon Matthias; Wandlowski, Thomas; Calzaferri, Gion; Häner, Robert (22 August 2013). *Two-dimensional supramolecular polymers (Unveröffentlicht)*. In: APME2013. Durham, UK. 18.-22.8.2013.

5. Vybornyi, Mykhailo; Rudnev, Alexander; Langenegger, Simon Matthias; Wandlowski, Thomas; Häner, Robert (12 August 2013). *Two-dimensional supramolecular polymers (Unveröffentlicht)*. In: Summer School 2013. Villars sur Ollon, Schweiz. 12.8.2013.
6. Langenegger, Simon Matthias; Vybornyi, Mykhailo; Rudnev, A V; Wandlowski, Thomas; Häner, Robert (25 Mai 2013). *Two-dimensional supramolecular polymers: controlled formation and visualization on the surface (Unveröffentlicht)*. In: SAOG2013. Fribourg Schweiz. 25. Januar 2013.

Zeitschriftenartikel

1. Aeschi, Yves; Li, Hui; Cao, Z. C.; Chen, Songjie; Amacher, Anneliese; Bieri, Nathalie; Özen, Bilal; Hauser, Jürg; Decurtins, Silvio; Tan, S. T.; Liu, Shi-Xia (2013). *Directed Metalation Cascade To Access Highly Functionalized Thieno2,3-benzofuran and Exploration as Building Blocks for Organic Electronics*. Organic letters, 15(21), S. 5586-5589. American Chemical Society [10.1021/OI402787d](https://doi.org/10.1021/OI402787d)
2. Michels-Clark, T.M.; Lynch, T.M.; Hoffmann, C.M.; Hauser, Jürg; Weber, T.; Harrison, R.; Bürgi, Hans-Beat (2013). *Analyzing diffuse scattering with supercomputers*. Journal of applied crystallography, 46(6), S. 1616-1625. Blackwell [10.1107/S0021889813025399](https://doi.org/10.1107/S0021889813025399)
3. Dulcevscaia, Galina; Liu, Shi-Xia; Hauser, Jürg; Krämer, Karl; Frei, Gabriela Claudia; Möller, Andreas; Decurtins, Silvio (2013). *A Benzaldehyde Derivative as a Chelating Ligand: Helical Manganese(II) Coordination Polymers Assembling into a Porous Solid*. Crystal growth & design, 13(9), S. 4138-4144. Washington, D.C.: American Chemical Society [10.1021/cg400972k](https://doi.org/10.1021/cg400972k)
4. Pop, F.; Amacher, Anneliese; Avarvari, N.; Ding, J.; Daku, L. M. L.; Hauser, A.; Koch, M.; Hauser, Jürg; Liu, Shi-Xia; Decurtins, Silvio (2013). *Tetrathiafulvalene - Benzothiadiazoles as Redox-Tunable Donor - Acceptor Systems: Synthesis and Photophysical Study*. Chemistry - a European journal, 19(7), S. 2504-2514. Wiley-VCH [10.1002/chem.201202742](https://doi.org/10.1002/chem.201202742)
5. Barbon, Antonio; Hauser, Jürg; Berger, Ricarda; Brustolon, Marina; Hulliger, Jürg (2013). *Rotational disorder of bis(mesitylene)vanadium in channels of a triazine inclusion compound*. CrystEngComm, 15(40), S. 8110. Royal Society of Chemistry [10.1039/c3ce41102h](https://doi.org/10.1039/c3ce41102h)

Zeitschriftenartikel

1. Hollenstein, Marcel (2013). *Deoxynucleoside triphosphates bearing histamine, carboxylic acid, and hydroxyl residues--synthesis and biochemical characterization*. Organic & biomolecular chemistry, 11(31), S. 5162-5172. Royal Society of Chemistry [10.1039/c3ob40842f](https://doi.org/10.1039/c3ob40842f)
2. Hollenstein, Marcel; Hipolito, Christopher J.; Lam, Curtis H.; Perrin, David M. (2013). *Toward the Combinatorial Selection of Chemically Modified DNAzyme RNase A Mimics Active Against all-RNA Substrates*. ACS combinatorial science, 15(4), S. 174-182. American Chemical Society [10.1021/co3001378](https://doi.org/10.1021/co3001378)
3. Hollenstein, Marcel (2013). *Polymerize it all! A critical review*. OA Biochemistry, 1(2), S. 12. OA Publishing London

Zeitschriftenartikel

1. Burgener, Matthias; Labat, Gaël; Bonin, Michel; Morelli, Alessio; Hulliger, Jürg (2013). *Pyroelectric and piezoelectric scanning microscopy applied to reveal the bipolar state of 4-iodo-4'-nitrobiphenyl (INBP)*. CrystEngComm, 15(38), S. 7652-7656. Royal Society of Chemistry [10.1039/c3ce40902c](https://doi.org/10.1039/c3ce40902c)
2. Parvinzadeh Gashti, Mazeyar; Stir, Manuela; Bourquin, Marc; Hulliger, Jurg (2013). *Mineralization of calcium phosphate crystals in starch template inducing a brushite kidney stone biomimetic composite*. Crystal growth & design, 13(5), S. 2166-2173. American Chemical Society [10.1021/cg4002434](https://doi.org/10.1021/cg4002434)
3. Aboulfadl Oulevey, Hanane; Bonin, Michel; Burgener, Matthias; Brahimi, Khadidja; Hulliger, Jürg (2013). *Molecular recognition at growing crystal faces revealed by phase sensitive second harmonic microscopy*. RSC advances, 2013(3), S. 25145-25150. Royal Society of Chemistry [10.1039/c3ra43641a](https://doi.org/10.1039/c3ra43641a)
4. Hulliger, Jürg; Wüst, Thomas; Brahimi, Khadidja; Burgener, Matthias; Aboulfadl, Hanane (2013). *A stochastic principle behind polar properties of condensed molecular matter*. New journal of chemistry, 37, S. 2229-2235. Royal Society of Chemistry [10.1039/c3nj40935j](https://doi.org/10.1039/c3nj40935j)
5. Barbon, Antonio; Hauser, Jürg; Berger, Ricarda; Brustolon, Marina; Hulliger, Jürg (2013). *Rotational disorder of bis(mesitylene)vanadium in channels of a triazine inclusion compound*. CrystEngComm, 15(40), S. 8110. Royal Society of Chemistry [10.1039/c3ce41102h](https://doi.org/10.1039/c3ce41102h)
6. Hulliger, Jürg; Wüst, Thomas; Rech, Mathias (2013). *Symmetry and the polar state of condensed molecular matter*. Zeitschrift für Kristallographie, 228(12), S. 607-610. Oldenbourg [10.1524/zkri.2013.1654](https://doi.org/10.1524/zkri.2013.1654)
7. Parvinzadeh Gashti, Mazeyar; Stir, Manuela Elena; Hulliger, Jürg (2013). *Synthesis of bone-like micro-porous calcium phosphate/iota-carrageenan composites by gel diffusion*. Colloids and Surfaces B: Biointerfaces, 110, S. 426-433. Elsevier [10.1016/j.colsurfb.2013.04.051](https://doi.org/10.1016/j.colsurfb.2013.04.051)
8. Parvinzadeh Gashti, Mazeyar; Bourquin, Marc; Stir, Manuela; Hulliger, Jürg (2013). *Glutamic acid inducing kidney stone biomimicry by a brushite/gelatin composite*. Journal of materials chemistry B, 1(10), S. 1501-1508. Royal Society of Chemistry [10.1039/c3tb00088e](https://doi.org/10.1039/c3tb00088e)

Zeitungs- oder Magazinartikel

1. Hulliger, Jürg (2013). *Der schwebende Frosch. Wie starke Magnete die stoffliche Auftrennung revolutionieren*. labor&more, 4, S. 10-12. succidia

Konferenzbeitrag

1. Burkhalter, Manuel; Chillier, Xavier; Fragnière, Manuel; Henry, Jacques; Hulliger, Jürg; Jacob, Anne; Koch, Klemens; Liebich, Michael; Locher, Olivier; Lüchinger, Marco; Montangero, Marc; Pellegi, Giovanni; Perret, Didier; Tardo-Styner, Christina; Wintgens, David; Zumbühl, Andreas (2013). *2. Konferenz zum Übergang Gymnasium-Universität. Schlussbericht der Arbeitsgruppe Chemie*. Chimia 2013, 67, Nr. 11, S. A830-A832.

Zeitschriftenartikel

1. Leisi R, Ruprecht N, Kempf C, Ros C (2013) *Parvovirus B19 uptake is a highly selective process controlled by VP1u, a novel determinant of viral tropism.* (2013) Journal of virology, 87(24), S. 13161-13167. [10.1128/JVI.02548-13](https://doi.org/10.1128/JVI.02548-13).
2. Wolfisberg R, Ruprecht N, Kempf C, Ros C. (2013) *Impaired genome encapsidation restricts the in vitro propagation of human parvovirus B19.* Journal of virological methods, 193(1), S.215-225. [10.1016/j.jviromet.2013.06.003](https://doi.org/10.1016/j.jviromet.2013.06.003).
3. Cai K, Gröner A, Dichtelmüller HO, Fabbrizzi F, Flechsig E, Gajardo R, von Hoegen I, Jorquera JI, Kempf C, Kreil TR, Lee DC, Moscardini M, Pölsler G, Roth NJ. (2013). *Prion removal capacity of plasma protein manufacturing processes: a data collection from PPTA member companies.* Transfusion, 53(9) S. 1894-1905. [10.1111/trf.12050](https://doi.org/10.1111/trf.12050).

Zeitschriftenartikel

1. Sergeev, Dmitry N.; Butman, Mikhail F.; Motalov, Vladimir B.; Kudin, Lev S.; Krämer, Karl (2013). *Extrapolated difference technique for the determination of atomization energies of Sm, Eu, and Yb bromides*. International journal of mass spectrometry, 348, S. 23-28. Elsevier [10.1016/j.ijms.2013.03.004](https://doi.org/10.1016/j.ijms.2013.03.004)
2. Dulcevscaia, Galina; Liu, Shi-Xia; Hauser, Jürg; Krämer, Karl; Frei, Gabriela Claudia; Möller, Andreas; Decurtins, Silvio (2013). *A Benzaldehyde Derivative as a Chelating Ligand: Helical Manganese(II) Coordination Polymers Assembling into a Porous Solid*. Crystal growth & design, 13(9), S. 4138-4144. Washington, D.C.: American Chemical Society [10.1021/cg400972k](https://doi.org/10.1021/cg400972k)
3. Sharga, Olena V.; Lysenko, Andrey B.; Handke, Marcel; Krautscheid, Harald; Rusanov, Eduard B.; Chernega, Alexander N.; Krämer, Karl; Liu, Shi-Xia; Decurtins, Silvio; Bridgeman, Adam; Domasevitch, Konstantin V. (2013). *Unprecedented Trapping of Difluorooctamolybdate Anions within an α -Polonium Type Coordination Network*. Inorganic chemistry, 52(15), S. 8784-8794. Washington, D.C.: American Chemical Society [10.1021/ic400954x](https://doi.org/10.1021/ic400954x)
4. Piatek, J. O.; Dalla Piazza, B.; Nikseresht, N.; Tsyrlin, N.; Živković, I.; Krämer, Karl; Laver, M.; Prokes, K.; Mataš, S.; Christensen, N. B.; Rønnow, H. M. (2013). *Phase diagram with an enhanced spin-glass region of the mixed Ising-XY magnet $\text{LiHo}_{1-x}\text{Er}_x\text{F}_4$* . Physical review. B - condensed matter and materials physics, 88(1), S. 1-11. Ridge, N.Y.: American Physical Society [10.1103/PhysRevB.88.014408](https://doi.org/10.1103/PhysRevB.88.014408)
5. Ivaturi, Aruna; MacDougall, Sean K. W.; Martín-Rodríguez, Rosa; Quintanilla, Marta; Marques-Hueso, Jose; Krämer, Karl; Meijerink, Andries; Richards, Bryce S. (2013). *Optimizing infrared to near infrared upconversion quantum yield of $\beta\text{-NaYF}_4\text{:Er}^{3+}$ in fluoropolymer matrix for photovoltaic devices*. Journal of applied physics, 114(1), 013505. Melville, N.Y.: American Institute of Physics [10.1063/1.4812578](https://doi.org/10.1063/1.4812578)
6. Braccini, Saverio; Pellegrinelli, Olivier; Krämer, Karl (2013). *Mössbauer, X-ray and Magnetic Studies of Black Sand from the Italian Mediterranean Sea*. World journal of nuclear science and technology, 03, S. 91-95. Irvine, Calif.: Scientific Research Publishing [10.4236/wjnst.2013.33016](https://doi.org/10.4236/wjnst.2013.33016)
7. Alekhin, Mikhail S.; Krämer, Karl W.; Dorenbos, Pieter (2013). *Self-absorption in $\text{Sr}^{12:2\%}\text{Eu}^{2+}$ between 78K and 600K*. Nuclear instruments & methods in physics research. Section A - accelerators, spectrometers, detectors and associated equipment, 714, S. 13-16. Amsterdam: North-Holland [10.1016/j.nima.2013.02.025](https://doi.org/10.1016/j.nima.2013.02.025)
8. Sergeev, D. N.; Butman, M. F.; Motalov, V. B.; Kudin, L. S.; Krämer, Karl (2013). *Knudsen effusion mass spectrometric determination of the complex vapor composition of samarium, europium, and ytterbium bromides*. Rapid communications in mass spectrometry, 27(15), S. 1715-1722. Chichester: Wiley [10.1002/rcm.6617](https://doi.org/10.1002/rcm.6617)
9. Alekhin, Mikhail S.; Biner, Daniel; Krämer, Karl; Dorenbos, Pieter (2013). *Improvement of $\text{LaBr}_3\text{:5\%Ce}$ scintillation properties by Li^+ , Na^+ , Mg^{2+} , Ca^{2+} , Sr^{2+} , and Ba^{2+} co-doping*. Journal of applied physics, 113(22), 224904-1-224904-7. Melville, N.Y.: American Institute of Physics [10.1063/1.4810848](https://doi.org/10.1063/1.4810848)

10. Alekhin, M. S.; de Haas, J. T. M.; Khodyuk, I. V.; Krämer, Karl W.; Menge, P. R.; Ouspenski, V.; Dorenbos, P. (2013). *Improvement of γ -ray energy resolution of $\text{LaBr}_3\text{:Ce}^{3+}$ scintillation detectors by Sr^{2+} and Ca^{2+} co-doping*. Applied physics letters, 102(16), 161915-1-161915-4. Melville, N.Y.: American Institute of Physics
[10.1063/1.4803440](https://doi.org/10.1063/1.4803440)
11. Martín-Rodríguez, Rosa; Fischer, Stefan; Ivaturi, Aruna; Froehlich, Benjamin; Krämer, Karl; Goldschmidt, Jan C.; Richards, Bryce S.; Meijerink, Andries (2013). *Highly Efficient IR to NIR Upconversion in $\text{Gd}_2\text{O}_2\text{S}$: Er^{3+} for Photovoltaic Applications*. Chemistry of materials, 25(9), S. 1912-1921. Washington, D.C.: American Chemical Society
[10.1021/cm4005745](https://doi.org/10.1021/cm4005745)
12. Hehlen, Markus P.; Brik, Mikhail G.; Krämer, Karl W. (2013). *50th anniversary of the Judd–Ofelt theory: An experimentalist's view of the formalism and its application*. Journal of luminescence, 136, S. 221-239. Amsterdam: North-Holland [10.1016/j.jlumin.2012.10.035](https://doi.org/10.1016/j.jlumin.2012.10.035)
13. Senchyk, Ganna A.; Lysenko, Andrey B.; Krautscheid, Harald; Rusanov, Eduard B.; Chernega, Alexander N.; Krämer, Karl; Liu, Shi-Xia; Decurtins, Silvio; Domasevitch, Konstantin V. (2013). *Functionalized Adamantane Tectons Used in the Design of Mixed-Ligand Copper(II) 1,2,4-Triazolyl/Carboxylate Metal–Organic Frameworks*. Inorganic chemistry, 52(2), S. 863-872. Washington, D.C.: American Chemical Society
[10.1021/ic3020157](https://doi.org/10.1021/ic3020157)
14. Stepuk, Alexander; Krämer, Karl; Stark, Wendelin J. (2013). *Flame Synthesis of Complex Fluoride-Based Nanoparticles as Upconversion Phosphors*. KONA: Powder and Particle Journal(30), S. 267-275. Hosokawa Powder Technology Foundation
15. Ward, Simon; Bouillot, Pierre; Ryll, Hanjo; Kiefer, Klaus; Krämer, Karl; Rüegg, Christian; Kollath, Corinna; Giamarchi, Thierry (2013). *Spin ladders and quantum simulators for Tomonaga–Luttinger liquids*. Journal of Physics: Condensed Matter, 25(1), 014004. Bristol: Institute of Physics Publishing IOP [10.1088/0953-8984/25/1/014004](https://doi.org/10.1088/0953-8984/25/1/014004)

Zeitschriftenartikel

1. Stucki, Silvan R.; Désiron, Camille; Nyakas, Adrien; Marti, Simon; Leumann, Christian J.; Schürch, Stefan (2013). *Gas-phase Dissociation of homo-DNA Oligonucleotides*. Journal of the American Society for Mass Spectrometry, 24(12), S. 1997-2006. Springer
[10.1007/s13361-013-0729-3](https://doi.org/10.1007/s13361-013-0729-3)
2. Röthlisberger, Pascal; Wojciechowski, Filip; Leumann, Christian J. (2013). *Enhancement of excess electron transfer efficiency in DNA containing a phenothiazine donor and multiple stable phenanthrenyl base pairs*. Chemistry: A European Journal, 19(35), S. 11518-11521. Wiley [10.1002/chem.201301983](https://doi.org/10.1002/chem.201301983)
3. Gerber, Anna-Barbara; Leumann, Christian J. (2013). *Synthesis and properties of isobicyclo-DNA*. Chemistry - A European Journal, 19(22), S. 6990-7006. Wiley
[10.1002/chem.201300487](https://doi.org/10.1002/chem.201300487)
4. Calabretta, Alessandro; Leumann, Christian J. (2013). *Base pairing and miscoding properties of 1,N(6)-ethenoadenine- and 3,N(4)-ethenocytosine-containing RNA oligonucleotides*. BIOCHEMISTRY, 52(11), S. 1990-1997. [10.1021/bi400116y](https://doi.org/10.1021/bi400116y)
5. Stoop, Matthias; Désiron, Camille; Leumann, Christian J. (2013). *Nucleic acid sensing by an orthogonal reporter system based on homo-DNA*. Artificial DNA: PNA & XNA, 4(1), S. 28-33. Landes Bioscience [10.4161/adna.24227](https://doi.org/10.4161/adna.24227)

Zeitschriftenartikel

1. Balmer, Franziska; Ottiger, Philipp; Pfaffen, Chantal; Leutwyler, Samuel (2013). *Structure and Intermolecular Vibrations of Perylene- trans -1,2-Dichloroethene, a Weak Charge-Transfer Complex*. Journal of Physical Chemistry. A, 117(41), S. 10702-10713. American Chemical Society [10.1021/jp4069043](https://doi.org/10.1021/jp4069043)
2. Lobsiger, Simon; Sinha, Rajeev K.; Leutwyler, Samuel (2013). *Building Up Water-Wire Clusters: Isomer-Selective Ultraviolet and Infrared Spectra of Jet-Cooled 2-Aminopurine (H 2 O) n , n = 2 and 3*. Journal of Physical Chemistry - B, 117(41), S. 12410-12421. American Chemical Society [10.1021/jp407127c](https://doi.org/10.1021/jp407127c)
3. Blaser, Susan; Ottiger, Philipp; Frey, Hans-Martin; Leutwyler, Samuel (2013). *NH3 as a Strong H-Bond Donor in Singly- and Doubly-Bridged Ammonia Solvent Clusters: 2 Pyridone center dot (NH3)(n), n=1-3*. Journal of Physical Chemistry. A, 117(32), S. 7523-7534. American Chemical Society [10.1021/jp401786f](https://doi.org/10.1021/jp401786f)
4. Lobsiger, Simon; Trachsel, Maria Angela; Frey, Hans-Martin; Leutwyler, Samuel (2013). *Excited-State Structure and Dynamics of Keto-Amino Cytosine: The 1 $\pi\pi^*$ State Is Nonplanar and Its Radiationless Decay Is Not Ultrafast*. Journal of Physical Chemistry - B, 117(20), S. 6106-6115. American Chemical Society [10.1021/jp401881b](https://doi.org/10.1021/jp401881b)
5. Winter, Nina O. C.; Graf, Nora K.; Leutwyler, Samuel; Hättig, Christof (2013). *Benchmarks for 0-0 transitions of aromatic organic molecules: DFT/B3LYP, ADC(2), CC2, SOS-CC2 and SCS-CC2 compared to high-resolution gas-phase data*. Physical Chemistry, Chemical Physics PCCP, 15(18), S. 6623-6630. Royal Society of Chemistry [10.1039/c2cp42694c](https://doi.org/10.1039/c2cp42694c)

Konferenzbeitrag

1. Kowalewski, Philipp; Frey, Hans-Martin; Leutwyler, Samuel (2013). *Accurate Structure of n-Hexane by Femtosecond Rotational Raman Spectroscopy*. CHIMIA, 67(7/8), S. 570. Swiss Chemical Society (SCS)
2. Blaser, Susan; Frey, Hans-Martin; Leutwyler, Samuel (2013). *Fluorescence Lifetime Measurement of Nucleobase Analogues using a Picosecond Streak Camera*. CHIMIA, 67(7/8), S. 574. Swiss Chemical Society (SCS)
3. Balmer, Franziska; Pfaffen, Chantal; Ottiger, Philipp; Leutwyler, Samuel (2013). *Supersonic Jet Spectroscopy of Perylene Charge-Transfer Complexes*. CHIMIA, 67(7/8), S. 577. Swiss Chemical Society (SCS)
4. Trachsel, Maria Angela; Blaser, Susan; Lobsiger, Simon; Leutwyler, Samuel (2013). *S1 -> Tn Intersystem Crossing of 5,6-Trimethylenecytosine*. CHIMIA, 67(7/8), S. 579. Swiss Chemical Society (SCS)
Den, Sebastian Takuya; Frey, Hans-Martin; Leutwyler, Samuel (2013). *Femtosecond Rotational Coherence Spectroscopy of n-Alkanes*. CHIMIA, 67(7/8), S. 581. Swiss Chemical Society (SCS)
5. Siffert, Luca; Ottiger, Philipp; Blaser, Susan; Leutwyler, Samuel (2013). *Nanohydration of a Cis-Amide: Water Wires and Bridges*. CHIMIA, 67(7/8), S. 581. Swiss Chemical Society (SCS)

Zeitschriftenartikel

1. Hofer, Alexandre; Kovacs, Gergely; Zappatini, Anna; Leuenberger, Michele; Hediger, Matthias A.; Lochner, Martin (2013). *Design, synthesis and pharmacological characterization of analogs of 2-aminoethyl diphenylborinate (2-APB), a known store-operated calcium channel blocker, for inhibition of TRPV6-mediated calcium transport*. Bioorganic & medicinal chemistry, 21(11), S. 3202-3213. Elsevier [10.1016/j.bmc.2013.03.037](https://doi.org/10.1016/j.bmc.2013.03.037)
2. Kanai, Yoshikatsu; Clemençon, Benjamin; Simonin, Alexandre; Leuenberger, Michele; Lochner, Martin; Weisstanner, Martin; Hediger, Matthias A. (2013). *The SLC1 high-affinity glutamate and neutral amino acid transporter family*. Molecular aspects of medicine, 34(2-3), S. 108-120. Elsevier [10.1016/j.mam.2013.01.001](https://doi.org/10.1016/j.mam.2013.01.001)

Zeitschriftenartikel

1. Chimpri, Abita Shyorotra; Gryl, Marlena; Dos Santos, Leonardo H, R.; Krawczuk, Anna; Macchi, Piero (2013). *Correlation between Accurate Electron Density and Linear Optical Properties in Amino Acid Derivatives: L-Histidinium Hydrogen Oxalate*. Crystal growth & design, 13(7), S. 2995-3010. American Chemical Society [10.1021/cg400411t](https://doi.org/10.1021/cg400411t)
2. Chimpri, Abita S.; Macchi, Piero (2013). *Electron density building block approach for metal organic frameworks*. Physica scripta, 87(4), 048105. Institute of Physics Publishing IOP [10.1088/0031-8949/87/04/048105](https://doi.org/10.1088/0031-8949/87/04/048105)
3. Macchi, Piero (2013). *Modern charge density studies: the entanglement of experiment and theory*. Crystallography Reviews, 19(2), S. 58-101. Oxon, England: Taylor & Francis [10.1080/0889311X.2013.785538](https://doi.org/10.1080/0889311X.2013.785538)
4. Macchi, Piero; Wang, Jingying; Guidetti-Grept, Regine; Keese, Reinhart (2013). *The structure of some [4.5.5.5]fenestranes*. Tetrahedron, 69(11), S. 2479-2483. THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND: Elsevier Science [10.1016/j.tet.2013.01.016](https://doi.org/10.1016/j.tet.2013.01.016)
5. Keese, Reinhart; Berdat, Francois; Macchi, Piero (2013). *Stereoselectivity of Additions to N-Methyl Acetonitrilium Fluorosulfonate*. Journal of organic chemistry, 78(5), S. 1965-1970. American Chemical Society [10.1021/jo301983s](https://doi.org/10.1021/jo301983s)
6. Ceriotti, Alessandro; Macchi, Piero; Sironi, Annalisa; El Afefey, Simona; Daghetta, Matteo; Fedi, Serena; de Biani, Fabrizia Fabrizi; Della Pergola, Roberto (2013). *Cooperative Effects of Electron Donors and Acceptors for the Stabilization of Elusive Metal Cluster Frameworks: Synthesis and Solid-State Structures of Pt-19(CO)(24)(mu(4)-AuPPh3)(3)](-) and Pt-19(CO)(24){mu(4)-Au-2(PPh3)(2)}(2)]*. Inorganic chemistry, 52(4), S. 1960-1964. American Chemical Society [10.1021/ic302282y](https://doi.org/10.1021/ic302282y)
7. Castano, Brunilde; Guidone, Stefano; Gallo, Emma; Ragaini, Fabio; Casati, Nicola; Macchi, Piero; Sisti, Massimo; Caselli, Alessandro (2013). *Asymmetric cyclopropanation of olefins catalysed by Cu(I) complexes of chiral pyridine-containing macrocyclic ligands (Pc-L*)*. Dalton transactions, 42(7), S. 2451-2462. Cambs, England: Royal Society of Chemistry [10.1039/c2dt32347h](https://doi.org/10.1039/c2dt32347h)

Konferenzbeitrag

1. Macchi, Piero (November 2013). *A reverse crystal Engineering approach*. In: Natta's seed grow. Milano, Politecnico. 21-2.9.2013.
2. Macchi, Piero (Juni 2013). *Input and output of a structural refinement (Unveröffentlicht)*. In: Zurich School of crystallography.
3. Macchi, Piero (März 2013). *Necessities and Pitfalls of the multipolar models (Unveröffentlicht)*. In: Synchrotron Charge Density School.
4. Macchi, Piero; Rezende dos Santos, Leonardo Humberto; Krawczuk, Anna Malgorzata (2013). *Calculation of crystal optical properties from molecular electron density*. In: Meeting of the Italian Spanish and Swiss Crystallographic Associations. Como, Italy. 9-12 September 2013.

Zeitschriftenartikel

1. Zünd, David; Mühlemann, Oliver (2013). *Recent transcriptome-wide mapping of UPF1 binding sites reveals evidence for its recruitment to mRNA before translation*. Translation perspective, 1(2), S. 1-6. Landes Bioscience [10.4161/trla.26977](https://doi.org/10.4161/trla.26977)
2. Schweingruber, Christoph; Rufener, Simone C.; Zünd, David; Yamashita, Akio; Mühlemann, Oliver (2013). *Nonsense-mediated mRNA decay — Mechanisms of substrate mRNA recognition and degradation in mammalian cells*. Biochimica et biophysica acta - gene regulatory mechanisms, 1829(6-7), S. 612-623. New York, N.Y.: Elsevier [10.1016/j.bbagrm.2013.02.005](https://doi.org/10.1016/j.bbagrm.2013.02.005)
3. Rufener, Simone C; Mühlemann, Oliver (2013). *eIF4E-bound mRNPs are substrates for nonsense-mediated mRNA decay in mammalian cells*. Nature structural & molecular biology, 20(6), S. 710-717. New York, N.Y.: Nature Publishing Group [10.1038/nsmb.2576](https://doi.org/10.1038/nsmb.2576)
4. Zünd, David; Gruber, Andreas; Zavolan, Mihaela; Mühlemann, Oliver (2013). *Translation-dependent displacement of UPF1 from coding sequences causes its enrichment in 3' UTRs*. Nature structural & molecular biology, 20(8), S. 936-943. New York, N.Y.: Nature Publishing Group [10.1038/nsmb.2635](https://doi.org/10.1038/nsmb.2635)
5. Metze, Stefanie; Herzog, Veronika A.; Ruepp, Marc-David; Mühlemann, Oliver (2013). *Comparison of EJC-enhanced and EJC-independent NMD in human cells reveals two partially redundant degradation pathways*. RNA - a publication of the RNA Society, 19(10), S. 1432-1448. Woodbury, N.Y.: Cold Spring Harbor Laboratory Press [10.1261/rna.038893.113](https://doi.org/10.1261/rna.038893.113)
6. Stoecklin, Georg; Mühlemann, Oliver (2013). *RNA decay mechanisms: Specificity through diversity*. Biochimica et biophysica acta - gene regulatory mechanisms, 1829(6-7), S. 487-490. New York, N.Y.: Elsevier [10.1016/j.bbagrm.2013.04.002](https://doi.org/10.1016/j.bbagrm.2013.04.002)
7. Vivarelli, Silvia; Lenzken, Silvia C.; Ruepp, Marc-David; Ranzini, Francesco; Maffioletti, Andrea; Alvarez, Reinaldo; Mühlemann, Oliver; Barabino, Silvia M. L.; Buratti, Emanuele (2013). *Paraquat Modulates Alternative Pre-mRNA Splicing by Modifying the Intracellular Distribution of SRPK2*. PLoS ONE, 8(4), e61980. Lawrence, Kans.: Public Library of Science [10.1371/journal.pone.0061980](https://doi.org/10.1371/journal.pone.0061980)

Konferenzbeitrag / Workshop

1. Mühlemann, Oliver (8 September 2013). *Mechanistic aspects of NMD in human cells (Unveröffentlicht)*. In: EMBL Conference on Protein Synthesis and Translational Control. EMBL, Heidelberg, Germany. 08.-12.09.2013.
2. Mühlemann, Oliver (21 April 2013). *Mechanistic aspects of mRNA targeting for nonsense-mediated mRNA decay in human cells (Unveröffentlicht)*. In: EMBO Eucaryotic RNA turnover conference. IGBMC, Strasbourg, France. 21.-24.04.2013.
3. Ruepp, Marc-David (6 September 2013). *Synthesis and testing of photoaffinity probes for the site-selective chemical modifications of the 5-HT₃ receptor (Unpublished)*. In: 2013 Fall Meeting EPFL Lausanne. EPFL Lausanne, CH. 06.09.2013.

4. Ruepp, Marc-David (12 August 2013). *Synthesis and testing of photoaffinity probes for the site-selective chemical modifications of the 5-HT3 receptor (Unpublished)*. In: Swiss Summer School 2013 in Synthesis and Catalysis. Villars, CH. 12.-16.08.2013.
5. Ruepp, Marc-David (11 June 2013). *The FUS protein is required for cell proliferation (Unpublished)*. In: 18th International Annual Meeting of the RNA Society. Davos, CH. 11.-15.06.2013.
6. Ruepp, Marc-David (11 June 2013). *Combined systemic and local morpholino treatment rescues the phenotype of the SMA Delta 7 mouse model (Unpublished)*. In: 18th International Annual Meeting of the RNA Society. Davos, CH. 11.-15.06.2013.
7. Ruepp, Marc-David (11 June 2013). *Characterization of the potential role for RNA-binding protein FUS in DNA damage response: A quantitative proteomic approach (Unpublished)*. In: 18th International Annual Meeting of the RNA Society. Davos, CH. 11.-15.06.2013.
8. Ruepp, Marc-David (11 June 2013). *The involvement of miRNA Dysregulation in Amyotrophic Lateral Sclerosis (Unpublished)*. In: 18th International Annual Meeting of the RNA Society. Davos, CH. 11.-15.06.2013.
9. Ruepp, Marc-David (11 June 2013). *FUS protein interacts with U7 snRNP and plays a role in replication-dependant histone genes expression (Unpublished)*. In: 18th International Annual Meeting of the RNA Society. 11.-15.06.2013.
10. Ruepp, Marc-David (10 June 2013). *Synthesis and testing of photoaffinity probes for the site-selective chemical modifications of the 5-HT3 receptor (Unpublished)*. In: CUSO Subject Day "Modern Synthetic Methods and their Application in the Context of Natural Products". Neuchâtel, CH. 10.-11.06.2013.
11. Ruepp, Marc-David (25 January 2013). *Characterization of the potential role for RNA-binding protein FUS/TLS in DNA damage response: A quantitative proteomic approach (Unpublished)*. In: Swiss RNA Workshop 2013. Bern, CH. 25.01.2013.
12. Ruepp, Marc-David (25 January 2013). *The multifunctional FUS protein: Characterization of the biological effects of its depletion (Unpublished)*. In: Swiss RNA Workshop 2013. Bern, CH. 25.01.2013.
13. Ruepp, Marc-David (25 January 2013). *Unravelling the multiple roles of FUS in RNA processing and on ALS pathogenesis (Unpublished)*. In: Swiss RNA Workshop 2013. Bern, CH. 25.01.2013.
14. Ruepp, Marc-David (25 January 2013). *Unravelling the impact of microRNA on Amyotrophic Lateral Sclerosis (ALS) pathogenesis (Unpublished)*. In: Swiss RNA Workshop 2013. Bern, CH. 25.01.2013.
15. Ruepp, Marc-David (11 January 2013). *Synthesis and testing of photoaffinity probes for the site-selective chemical modifications of the 5-HT3 receptor (Unpublished)*. In: 11th Swiss Snow Symposium 2013. Saas-Fee, CH. 11.-13.01.2013.
16. Nicholson, Pamela (22 May 2013). *Elucidating the roles of SMG5, SMG7 and PNRC2 in NMD (Unpublished)*. In: TERM meeting 2013. St. Feliu de Guixols, Spanien. 22.-24.05.2013.
17. Rufener, Simone (24 May 2013). *eIF4E-bound mRNPs are substrates for nonsense-mediated mRNA decay in mammalian cells (Unpublished)*. In: TERM 2013. Barcelona, Spanien. 24.05.2013.

18. Rufener, Simone (30 January 2013). *eIF4E-bound mRNPs are substrates for nonsense-mediated mRNA decay in mammalian cells (Unpublished)*. In: GCB Symposium 2013. Bern, Schweiz. 30.01.2013.
19. Rufener, Simone (25 January 2013). *eIF4E-bound mRNPs are substrates for nonsense-mediated mRNA decay in mammalian cells (Unpublished)*. In: Swiss RNA Workshop 2013. Bern, CH. 25.01.2013.

Zeitschriftenartikel

1. Gebetsberger, Jennifer Viktoria; Polacek, Norbert (2013). *Slicing tRNAs to boost functional ncRNA diversity*. RNA biology, 10(12), S. 1798-1806. Landes Bioscience [10.4161/rna.27177](#)
2. Polacek, Norbert (2013). *Atomic Mutagenesis of the Ribosome: Towards a Molecular Understanding of Translation*. Chimia, 67(5), S. 322-326. Schweizerische Chemische Gesellschaft [10.2533/chimia.2013.322](#)

Konferenzbeitrag

1. Polacek, Norbert (9 Juli 2013). *The ribosome as novel target for small regulatory RNAs (Unveröffentlicht)*. In: Ribosome Conference 2013. Napa Valley, USA. 09.-12.07.2013.
2. Polacek, Norbert (4 Juni 2013). *The ribosome as novel target for small regulatory RNAs (Unveröffentlicht)*. In: Regulating with RNA in Bacteria. Würzburg, Deutschland. 04.-08.06.2013.

Zeitschriftenartikel

1. Povie, Guillaume; Marzorati, Mattia; Bigler, Peter; Renaud, Philippe (2013). *Role of Equilibrium Associations on the Hydrogen Atom Transfer from the Triethylborane–Methanol Complex*. The Journal of organic chemistry, 78(4), S. 1553-1558. American Chemical Society [10.1021/jo302576c](https://doi.org/10.1021/jo302576c)
2. Weidner, Karin; Renaud, Philippe (2013). *Kinetic Study of the Radical Azidation with Sulfonyl Azides*. Australian Journal of Chemistry, 66(3), S. 341. CSIRO Publishing [10.1071/Ch12523](https://doi.org/10.1071/Ch12523)
3. Povie, Guillaume; Renaud, Philippe (2013). *Lewis Acid–Water/Alcohol Complexes as Hydrogen Atom Donors in Radical Reactions*. CHIMIA International Journal for Chemistry, 67(4), S. 250-252. Schweizerische Chemische Gesellschaft [10.2533/chimia.2013.250](https://doi.org/10.2533/chimia.2013.250)
4. Brucelle, François; Renaud, Philippe (2013). *Synthesis of a Leucomitosane via a Diastereoselective Radical Cascade*. Journal of organic chemistry, 78(12), S. 6245-6252. American Chemical Society [10.1021/jo4009904](https://doi.org/10.1021/jo4009904)
5. Dénès, Fabrice; Schiesser, Carl H.; Renaud, Philippe (2013). *Thiols, thioethers, and related compounds as sources of C-centred radicals*. Chemical Society reviews, 42(19), S. 7900-7942. Royal Society of Chemistry [10.1039/c3cs60143a](https://doi.org/10.1039/c3cs60143a)

Zeitschriftenartikel

1. Bernardi, Anna; Jiménez-Barbero, Jesus; Casnati, Alessandro; De Castro, Cristina; Darbre, Tamis; Fieschi, Franck; Finne, Jukka; Funken, Horst; Jaeger, Karl-Erich; Lahmann, Martina; Lindhorst, Thisbe K.; Marradi, Marco; Messner, Paul; Molinaro, Antonio; Murphy, Paul V.; Nativi, Cristina; Oscarson, Stefan; Penadés, Soledad; Peri, Francesco; Pieters, Roland J.; ... (2013). *Multivalent glycoconjugates as anti-pathogenic agents*. Chemical Society reviews, 42(11), S. 4709-4727. Royal Society of Chemistry [10.1039/C2CS35408J](https://doi.org/10.1039/C2CS35408J)
2. Nyakas, Adrien; Blum, Lorenz C.; Stucki, Silvan R.; Reymond, Jean-Louis; Schürch, Stefan (2013). *OMA and OPA—Software-Supported Mass Spectra Analysis of Native and Modified Nucleic Acids*. Journal of the American Society for Mass Spectrometry, 24(2), S. 249-256. Springer [10.1007/s13361-012-0529-1](https://doi.org/10.1007/s13361-012-0529-1)
3. Awale, Mahendra; van Deursen, Ruud; Reymond, Jean-Louis (2013). *MQN-Mapplet: Visualization of Chemical Space with Interactive Maps of DrugBank, ChEMBL, PubChem, GDB-11, and GDB-13*. Journal of chemical information and modeling, 53(2), S. 509-518. American Chemical Society [10.1021/ci300513m](https://doi.org/10.1021/ci300513m)
4. Geotti-Bianchini, Piero; Darbre, Tamis; Reymond, Jean-Louis (2013). *pH-tuned metal coordination and peroxidase activity of a peptide dendrimer enzyme model with a Fe(ii)bipyridine at its core*. Organic & biomolecular chemistry, 11(2), S. 344-352. Royal Society of Chemistry [10.1039/c2ob26551f](https://doi.org/10.1039/c2ob26551f)
5. Kadam, Rameshwar U.; Bergmann, Myriam; Garg, Divita; Gabrieli, Gabriele; Stocker, Achim; Darbre, Tamis; Reymond, Jean-Louis (2013). *Structure-Based Optimization of the Terminal Tripeptide in Glycopeptide Dendrimer Inhibitors of Pseudomonas aeruginosa Biofilms Targeting LecA*. Chemistry - a European journal, 19(50), S. 17054-17063. Wiley-VCH [10.1002/chem.201302587](https://doi.org/10.1002/chem.201302587)
6. Kadam, Rameshwar U.; Garg, Divita; Schwartz, Julian; Visini, Ricardo; Sattler, Michael; Stocker, Achim; Darbre, Tamis; Reymond, Jean-Louis (2013). *CH- π "T-Shape" Interaction with Histidine Explains Binding of Aromatic Galactosides to Pseudomonas aeruginosa Lectin LecA*. ACS Chemical Biology, 8(9), S. 1925-1930. American Chemical Society [10.1021/cb400303w](https://doi.org/10.1021/cb400303w)
7. Ravi, Harish Kumar; Stach, Michaela; Soares, Thereza; Darbre, Tamis; Reymond, Jean-Louis; Cascella, Michele (2013). *Electrostatics and Flexibility Drive Membrane Recognition and Early Penetration by Antimicrobial Peptide Dendrimer bH1*. Chemical communications, 49(78), S. 8821-8823. Royal Society of Chemistry [10.1039/C3CC44912B](https://doi.org/10.1039/C3CC44912B)
8. Ruddigkeit, Lars; Blum, Lorenz C.; Reymond, Jean-Louis (2013). *Visualization and Virtual Screening of the Chemical Universe Database GDB-17*. Journal of chemical information and modeling, 53(1), S. 56-65. American Chemical Society [10.1021/ci300535x](https://doi.org/10.1021/ci300535x)
9. Reymond, Jean-Louis; Bergmann, Myriam; Darbre, Tamis (2013). *Glycopeptide dendrimers as Pseudomonas aeruginosa biofilm inhibitors*. Chemical Society reviews, 42(11), S. 4814-4822. Royal Society of Chemistry [10.1039/c3cs35504g](https://doi.org/10.1039/c3cs35504g)

10. Gerber, S.; Lizak, C.; Michaud, Gaëlle; Bucher, M.; Darbre, Tamis; Aebi, M.; Reymond, Jean-Louis; Locher, K. P. (2013). *Mechanism of bacterial oligosaccharyltransferase: in vitro quantification of sequon binding and catalysis*. Journal of biological chemistry, 288(13), S. 8849-8861. American Society for Biochemistry and Molecular Biology [10.1074/jbc.M112.445940](https://doi.org/10.1074/jbc.M112.445940)
11. Heinisch, Tillmann; Langowska, Karolina; Tanner, Pascal; Reymond, Jean-Louis; Meier, Wolfgang; Palivan, Cornelia; Ward, Thomas R. (2013). *Fluorescence-Based Assay for the Optimization of the Activity of Artificial Transfer Hydrogenase within a Biocompatible Compartment*. ChemCatChem, 5(3), S. 720-723. WILEY-VCH [10.1002/cctc.201200834](https://doi.org/10.1002/cctc.201200834)
12. Kwok, Albert; Eggimann, Gabriela; Reymond, Jean-Louis; Darbre, Tamis; Hollfelder, Florian (2013). *Peptide Dendrimer/Lipid Hybrid Systems Are Efficient DNA Transfection Reagents: Structure–Activity Relationships Highlight the Role of Charge Distribution Across Dendrimer Generations*. ACS nano, 7(5), S. 4668-4682. American Chemical Society [10.1021/nn400343z](https://doi.org/10.1021/nn400343z)
13. Schwartz, Julian; Awale, Mahendra; Reymond, Jean-Louis (2013). *SMLfp (SMILES fingerprint) Chemical Space for Virtual Screening and Visualization of Large Databases of Organic Molecules*. Journal of chemical information and modeling, 53(8), S. 1979-1989. American Chemical Society [10.1021/ci400206h](https://doi.org/10.1021/ci400206h)
14. Eggimann, Gabriela; Buschor, Stefanie; Darbre, Tamis; Reymond, Jean-Louis (2013). *Convergent synthesis and cellular uptake of multivalent cell penetrating peptides derived from Tat, Antp, pVEC, TP10 and SAP*. Organic & biomolecular chemistry, 11(39), S. 6717-6733. Royal Society of Chemistry [10.1039/c3ob41023d](https://doi.org/10.1039/c3ob41023d)
15. Lizak, Christian; Gerber, Sabina; Michaud, Gaëlle; Schubert, Mario; Fan, Yao-Yun; Bucher, Monika; Darbre, Tamis; Aebi, Markus; Reymond, Jean-Louis; Locher, Kaspar P. (2013). *Unexpected reactivity and mechanism of carboxamide activation in bacterial N-linked protein glycosylation*. Nature communications, 4(2627) Nature Publishing Group [10.1038/ncomms3627](https://doi.org/10.1038/ncomms3627)
16. Reymond, Jean-Louis; Darbre, Tamis (2013). *Expanding the Topological Space of Bioactive Peptides*. CHIMIA International Journal for Chemistry, 67(12), S. 864-867. Swiss Chemical Society [10.2533/chimia.2013.864](https://doi.org/10.2533/chimia.2013.864)

Zeitschriftenartikel

1. Cristodero, Marina; Mani, Jan; Oeljeklaus, Silke; Aeberhard, Lukas; Hashimi, Hassan; Ramrath, David J. F.; Lukeš, Julius; Warscheid, Bettina; Schneider, André (2013). *Mitochondrial translation factors of Trypanosoma brucei: elongation factor-Tu has a unique subdomain that is essential for its function*. Molecular microbiology, 90(4), S. 744-755. Oxford: Blackwell Science [10.1111/mmi.12397](https://doi.org/10.1111/mmi.12397)
2. Niemann, Moritz; Wiese, Sebastian; Mani, Jan; Chanfon, Astrid; Jackson, Christopher; Meisinger, Christof; Warscheid, Bettina; Schneider, André (2013). *Mitochondrial Outer Membrane Proteome of Trypanosoma brucei Reveals Novel Factors Required to Maintain Mitochondrial Morphology*. Molecular & cellular proteomics, 12(2), S. 515-528. Bethesda, Md.: American Society for Biochemistry and Molecular Biology [10.1074/mcp.M112.023093](https://doi.org/10.1074/mcp.M112.023093)

Konferenzbeitrag

1. Schneider, André (17 Dezember 2013). *What a unicellular parasite can tell us about mitochondrial biogenesis? (Unveröffentlicht)*. In: What a unicellular parasite can tell us about mitochondrial biogenesis?. Biozentrum Basel. 17.12.2013.
2. Schneider, André (25 September 2013). *What a unicellular parasite can tell us about mitochondrial biogenesis? (Unveröffentlicht)*. In: What a unicellular parasite can tell us about mitochondrial biogenesis?. Universität Köln. 25.09.2013.
3. Schneider, André (8 September 2013). *A conserved mitochondrial outer membrane protein mediates kDNA maintenance in Trypanosoma brucei (Unveröffentlicht)*. In: 24th Annual Molecular Parasitology Meeting. Woods Hole, USA. 08.-12.09.2013.
4. Schneider, André (13 Juni 2013). *Trypanosoma brucei a model system to study mitochondrial biogenesis (Unveröffentlicht)*. In: Mitocross Meeting. Universität Strasbourg, Frankreich. 13.06.2013.

Zeitschriftenartikel

1. Stucki, Silvan R.; Désiron, Camille; Nyakas, Adrien; Marti, Simon; Leumann, Christian J.; Schürch, Stefan (2013). *Gas-phase Dissociation of homo-DNA Oligonucleotides*. Journal of the American Society for Mass Spectrometry, 24(12), S. 1997-2006. Springer [10.1007/s13361-013-0729-3](https://doi.org/10.1007/s13361-013-0729-3)
2. Büchel, Barbara; Sistonen, Johanna; Joerger, Markus; Aebi, Yolanda; Schürch, Stefan; Largiadèr, Carlo Rodolfo (2013). *Comparative evaluation of the My5-FU™ immunoassay and LC-MS/MS in monitoring the 5-fluorouracil plasma levels in cancer patients*. Clinical chemistry and laboratory medicine, 51(8), S. 1681-1688. Walter de Gruyter [10.1515/cclm-2012-0641](https://doi.org/10.1515/cclm-2012-0641)
3. Schröck, Alexandra; Hari, Yvonne; König, Stefan; Auwärter, Volker; Schürch, Stefan; Weinmann, Wolfgang (2013). *Pharmacokinetics of GHB and detection window in Serum and Urine after single uptake of a low dose of GLB - an Experiment with two volunteers*. Drug testing and analysis Wiley [10.1002/dta.1498](https://doi.org/10.1002/dta.1498)
4. Nyakas, Adrien; Blum, Lorenz C.; Stucki, Silvan R.; Reymond, Jean-Louis; Schürch, Stefan (2013). *OMA and OPA—Software-Supported Mass Spectra Analysis of Native and Modified Nucleic Acids*. Journal of the American Society for Mass Spectrometry, 24(2), S. 249-256. Springer [10.1007/s13361-012-0529-1](https://doi.org/10.1007/s13361-012-0529-1)
5. Büchel, Barbara; Rhyn, Peter; Schürch, Stefan; Bühr, Claudia; Amstutz, Ursula; R Largiadèr, Carlo (2013). *LC-MS/MS method for simultaneous analysis of uracil, 5,6-dihydrouracil, 5-fluorouracil and 5-fluoro-5,6-dihydrouracil in human plasma for therapeutic drug monitoring and toxicity prediction in cancer patients*. Biomedical chromatography, 27(1), S. 7-16. Chichester: Wiley [10.1002/bmc.2741](https://doi.org/10.1002/bmc.2741)
6. Mueller, F; Büchel, B; Köberle, D; Schürch, Stefan; Pfister, B; Krähenbühl, St; Fröhlich, Tanja; Largiader, C R; Joerger, M (2013). *Gender-specific elimination of continuous-infusional 5-fluorouracil in patients with gastrointestinal malignancies: results from a prospective population pharmacokinetic study*. Cancer chemotherapy and pharmacology, 71(2), S. 361-70. Berlin: Springer [10.1007/s00280-012-2018-4](https://doi.org/10.1007/s00280-012-2018-4)

Zeitschriftenartikel

1. Brönnimann, S.; Mariani, I.; Schwikowski, M.; Auchmann, R.; Eichler, R. (2013). *Simulating the temperature and precipitation signal in an Alpine ice core*. Climate of the past, 9(4), S. 2013-2022. Göttingen: Copernicus Publications [10.5194/cp-9-2013-2013](https://doi.org/10.5194/cp-9-2013-2013)
2. Herren, Pierre-Alain; Eichler, Anja; Machguth, Horst; Papina, Tatyana; Tobler, Leonhard; Zapf, Alexander; Schwikowski, Margit (2013). *The onset of Neoglaciation 6000 years ago in western Mongolia revealed by an ice core from the Tsambagarav mountain range*. Quaternary science reviews, 69, S. 59-68. Pergamon [10.1016/j.quascirev.2013.02.025](https://doi.org/10.1016/j.quascirev.2013.02.025)
3. Kirchgeorg, Torben; Dreyer, Annekatrin; Gabrieli, Jacopo; Kehrwald, Natalie; Sigl, Michael; Schwikowski, Margit; Boutron, Claude; Gambaro, Andrea; Barbante, Carlo; Ebinghaus, Ralf (2013). *Temporal variations of perfluoroalkyl substances and polybrominated diphenyl ethers in alpine snow*. Environmental Pollution, 178, S. 367-374. Elsevier Science [10.1016/j.envpol.2013.03.043](https://doi.org/10.1016/j.envpol.2013.03.043)
4. Papina, T.; Blyakharchuk, T.; Eichler, A.; Malygina, N.; Mitrofanova, E.; Schwikowski, Margit (2013). *Biological proxies recorded in a Belukha ice core, Russian Altai*. Climate of the past, 9(5), S. 2399-2411. Copernicus Publications [10.5194/cp-9-2399-2013](https://doi.org/10.5194/cp-9-2399-2013)
5. Schwikowski, M.; Schläppi, M.; Santibañez, P.; Rivera, A.; Casassa, G. (2013). *Net accumulation rates derived from ice core stable isotope records of Pío XI glacier, Southern Patagonia Icefield*. Cryosphere, 7(5), S. 1635-1644. Copernicus Publications [10.5194/tc-7-1635-2013](https://doi.org/10.5194/tc-7-1635-2013)
6. Cao, Fang; Zhang, Yanlin; Szidat, Sönke; Zapf, Alexander; Wacker, Lukas; Schwikowski, Margit (2013). *Microgram-Level Radiocarbon Determination of Carbonaceous Particles in Firn and Ice Samples: Pretreatment and Oc/Ec Separation*. Radiocarbon, 55(2-3), S. 383-390. Arizona Board of Regents, University of Arizona [10.2458/azu_js_rc.55.16291](https://doi.org/10.2458/azu_js_rc.55.16291)
7. Zapf, Alexander; Nesje, A.; Szidat, Sönke; Wacker, L.; Schwikowski, Margit (2013). *C-14 Measurements of Ice Samples from the Juvfonna Ice Tunnel, Jotunheimen, Southern Norway-Validation of a C-14 Dating Technique for Glacier Ice*. Radiocarbon, 55(2-3), S. 571-578. Arizona Board of Regents, University of Arizona [10.2458/azu_js_rc.55.16320](https://doi.org/10.2458/azu_js_rc.55.16320)

Zeitschriftenartikel

1. Kadam, Rameshwar U.; Bergmann, Myriam; Garg, Divita; Gabrieli, Gabriele; Stocker, Achim; Darbre, Tamis; Reymond, Jean-Louis (2013). *Structure-Based Optimization of the Terminal Tripeptide in Glycopeptide Dendrimer Inhibitors of Pseudomonas aeruginosa Biofilms Targeting LecA*. Chemistry - a European journal, 19(50), S. 17054-17063. Wiley-VCH [10.1002/chem.201302587](https://doi.org/10.1002/chem.201302587)
2. Helbling, Rachel E.; Bolze, Christin Saskia; Golczak, Marcin; Palczewski, Krzysztof; Stocker, Achim; Cascella, Michele (2013). *Cellular Retinaldehyde Binding Protein—Different Binding Modes and Micro-Solvation Patterns for High-Affinity 9- cis - and 11- cis - Retinal Substrates*. The Journal of Physical Chemistry B, 117(37), S. 10719-10729. American Chemical Society [10.1021/jp405410t](https://doi.org/10.1021/jp405410t)
3. Kadam, Rameshwar U.; Garg, Divita; Schwartz, Julian; Visini, Ricardo; Sattler, Michael; Stocker, Achim; Darbre, Tamis; Reymond, Jean-Louis (2013). *CH- π "T-Shape" Interaction with Histidine Explains Binding of Aromatic Galactosides to Pseudomonas aeruginosa Lectin LecA*. ACS Chemical Biology, 8(9), S. 1925-1930. American Chemical Society [10.1021/cb400303w](https://doi.org/10.1021/cb400303w)
4. Cascella, Michele; Bärffuss, Simon; Stocker, Achim (2013). *Cis-retinoids and the chemistry of vision*. Archives of biochemistry and biophysics, 539(2), S. 187-195. Elsevier [10.1016/j.abb.2013.06.003](https://doi.org/10.1016/j.abb.2013.06.003)

Zeitschriftenartikel

1. Cao, Fang; Zhang, Yanlin; Szidat, Sönke; Zapf, Alexander; Wacker, Lukas; Schwikowski, Margit (2013). *Microgram-Level Radiocarbon Determination of Carbonaceous Particles in Firn and Ice Samples: Pretreatment and Oc/Ec Separation*. Radiocarbon, 55(2-3), S. 383-390. Arizona Board of Regents, University of Arizona [10.2458/azu_js_rc.55.16291](https://doi.org/10.2458/azu_js_rc.55.16291)
2. Fahrni, Simon; Wacker, L.; Synal, H. A.; Szidat, Sönke (2013). *Improving a gas ion source for C-14 AMS*. Nuclear instruments & methods in physics research. Section B - beam interactions with materials and atoms, 294, S. 320-327. North-Holland [10.1016/j.nimb.2012.03.037](https://doi.org/10.1016/j.nimb.2012.03.037)
3. Szidat, Sönke; Bench, G.; Bernardoni, V.; Calzolari, G.; Czimczik, C. I.; Derendorp, L.; Dusek, U.; Elder, K.; Fedi, M. E.; Genberg, J.; Gustafsson, O.; Kirillova, E.; Kondo, M.; McNichol, A. P.; Perron, N.; Santos, G. M.; Stenstrom, K.; Swietlicki, E.; Uchida, M.; Vecchi, R.; ... (2013). *Intercomparison of C-14 Analysis of Carbonaceous Aerosols: Exercise 2009*. Radiocarbon, 55(2-3), S. 1496-1509. Arizona Board of Regents, University of Arizona [10.2458/azu_js_rc.55.16314](https://doi.org/10.2458/azu_js_rc.55.16314)
4. Wacker, L.; Fahrni, Simon; Hajdas, I.; Molnar, M.; Synal, H. A.; Szidat, Sönke; Zhang, Yanlin (2013). *A versatile gas interface for routine radiocarbon analysis with a gas ion source*. Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms, 294, S. 315-319. Elsevier [10.1016/j.nimb.2012.02.009](https://doi.org/10.1016/j.nimb.2012.02.009)
5. Zapf, Alexander; Nesje, A.; Szidat, Sönke; Wacker, L.; Schwikowski, Margit (2013). *C-14 Measurements of Ice Samples from the Juvfonna Ice Tunnel, Jotunheimen, Southern Norway-Validation of a C-14 Dating Technique for Glacier Ice*. Radiocarbon, 55(2-3), S. 571-578. Arizona Board of Regents, University of Arizona [10.2458/azu_js_rc.55.16320](https://doi.org/10.2458/azu_js_rc.55.16320)
6. Zhang, Y L; Zotter, P.; Perron, N.; Prévôt, A.S.H.; Wacker, L.; Szidat, Sönke (2013). *Fossil and Non-Fossil Sources of Different Carbonaceous Fractions in Fine and Coarse Particles by Radiocarbon Measurement*. Radiocarbon, 55(203), S. 1510-1520. Arizona Board of Regents, University of Arizona [10.2458/azu_js_rc.55.16278](https://doi.org/10.2458/azu_js_rc.55.16278)

Konferenzbeitrag

1. Ceburnis, D.; Ovadnevaite, J.; Garbaras, A.; Szidat, Sönke; Rinaldi, M.; Decesari, S.; Yttri, K.E.; Remeikis, V.; Facchini, M.C.; O'Dowd, C.D. (2013). *Source apportionment of organic matter by isotope analysis, AMS PMF and HNMR techniques*. In: Goldschmidt Conference 2013. Florence, Italy. 25.-30.08.2013.
2. Salazar Quintero, Gary Abdiel; Agrios, Konstantinos; Szidat, Sönke (2013). *Analysis of aerosol samples using EA-AMS*. In : 11th European Conference on Accelerators in Applied Research and Technology (ECAART). Namur, Belgium. 08.-13.09.2013.
3. Szidat, Sönke; Salazar Quintero, Gary Abdiel; Vogel, Edith; Battaglia, Michael; Wacker, L.; Synal, H.-A. (2013). *First operation of the Bern AMS MICADAS*. In: DPG Frühjahrstagung. Deutsche Physikalische Gesellschaft
4. Szidat, Sönke; Zotter, P.; Zhang, Yanlin; Ciobanu, V.G.; Wacker, L.; Baltensperger, U.; Prévôt, A.S.H. (2013). *Fossil and non-fossil sources of OC and EC in Switzerland for winter-smog episodes*. In: European Aerosol Conference 2013. Prague, Czech Republic. 01.-06.09.2013.

5. Zhang, Yanlin; Li, J.; Zhang, G.; Prévôt, A.S.H.; Szidat, Sönke (2013). *Radiocarbon-based source apportionment of EC and OC in fine particulate matter at a regional background site on Hainan Island, South China*. In: 32nd Annual Conference of the American Association for Aerosol Research (AAAR). American Association for Aerosol Research (AAAR)
6. Zhang, Yanlin; Li, J.; Zhang, G.; Prévôt, A.S.H.; Szidat, Sönke (2013). *Radiocarbon-based source apportionment of elemental carbon and organic carbon at a regional background site on Hainan Island, South China*. In: European Aerosol Conference 2013. Prague, Czech Republic. 01.-06.09.2013.
7. Zotter, P.; Ciobanu, G.; Zhang, Y.; El-Haddad, I.; Szidat, S.; Wacker, A.; Baltensperger, U.; Prévôt, A.S.H. (2013). *¹⁴C-based source apportionment of carbonaceous aerosols in Switzerland for 2008 - 2012 (Unveröffentlicht)*. In: European Geosciences Union (EGU), General Assembly 2013. Vienna, Austria. 7.-12.4, 2013.
8. Zotter, P.; Ciobanu, V.G.; Zhang, Y.; El-Haddad, I.; Szidat, S.; Wacker, L.; Baltensperger, U.; Prévôt, A.S.H. (2013). *¹⁴C-based source apportionment of carbonaceous aerosols in Switzerland for 2008-2012 (Unveröffentlicht)*. In: 32nd Annual Conference of the American Association for Aerosol Research (AAAR). Portland, USA. 30.9.- 4.10. 2013.

Zeitschriftenartikel

1. Müller, Cristina; Bunka, Maruta; Reber, Josefina; Fischer, Cindy; Zhernosekov, Konstantin; Türlér, Andreas; Schibli, Roger (2013). *Promises of cyclotron-produced ^{44}Sc as a diagnostic match for trivalent β^- -emitters: in vitro and in vivo study of a ^{44}Sc -DOTA-folate conjugate*. Journal of nuclear medicine, 54(12), S. 2168-2174. Society of Nuclear Medicine [10.2967/Jnumed.113.123810](#)
2. Heinitz, Stephan; Schumann, D.; Neuhausen, J.; Köchli, S.; Thomsen, K.; Platacis, E.; Lielausis, O.; Buceniekis, I.; Zik, A.; Romancuks, A.; Kravalis, K.; Buligins, L.; Türlér, A. (2013). *A comparison between the chemical behaviour of lead-gold and lead-bismuth eutectics towards 316L stainless steel*. Radiochimica acta, 101(10), S. 637-643. Oldenbourg [10.1524/ract.2013.2063](#)
3. Rudolph, D.; Forsberg, U.; Golubev, P.; Sarmiento, L. G.; Yakushev, A.; Andersson, L.-L.; Di Nitto, A.; Düllmann, Ch. E.; Gates, J. M.; Gregorich, K. E.; Gross, C. J.; Heßberger, F. P.; Herzberg, R.-D.; Khuyagbaatar, J.; Kratz, J. V.; Rykaczewski, K.; Schädel, M.; Åberg, S.; Ackermann, D.; Block, M.; ... (2013). *Spectroscopy of element 115 decay chains*. Physical review letters, 111(11), S. 112502. American Physical Society [10.1103/PhysRevLett.111.112502](#)
4. Serov, A.; Eichler, R.; Dressler, R.; Piguet, D.; Türlér, A.; Vögele, A.; Wittwer, D.; Gäggeler, H. W. (2013). *Adsorption interaction of carrier-free thallium species with gold and quartz surfaces*. Radiochimica acta, 101(7), S. 421-425. Oldenbourg [10.1524/ract.2013.2045](#)
5. Wittwer, D.; Dressler, R.; Eichler, R.; Gäggeler, H. W.; Türlér, A. (2013). *Prediction of the thermal release of transactinide elements ($112 \leq Z \leq 116$) from metals*. Radiochimica Acta, 101(4), S. 211-219. Oldenbourg [10.1524/ract.2013.2027](#)
6. Söllradl, Stefan; Lührs, Hanna; Révay, Zsolt; Kudejova, Petra; Canella, Lea; Türlér, Andreas (2013). *Increasing the dynamic range for the analysis of boron in PGAA*. Journal of Radioanalytical and Nuclear Chemistry, 298(3), S. 2069-2073. Berlin: Springer [10.1007/S10967-013-2739-9](#)
7. Türlér, Andreas; Pershina, Valeria (2013). *Advances in the production and chemistry of the heaviest elements*. Chemical reviews, 113(2), S. 1237-1312. American Chemical Society [10.1021/cr3002438](#)
8. Wittwer, David; Dressler, Rugard; Eichler, Robert; Gäggeler, Heinz W.; Piguet, David; Türlér, Andreas (2013). *Thermal release rate studies of nuclear reaction products from polycrystalline metal matrices*. Nuclear instruments & methods in physics research. Section B - beam interactions with materials and atoms, 287, S. 86-93. North-Holland [10.1016/j.nimb.2012.11.021](#)

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Zeitschriftenartikel

1. Marzorati, Mattia; Bigler, Peter; Plattner, Michel; Vermathen, Martina (2013). *Feasibility of 1 H-High Resolution-Magic Angle Spinning NMR Spectroscopy in the Analysis of Viscous Cosmetic and Pharmaceutical Formulations*. Analytical chemistry, 85(8), S. 3822-3827. American Chemical Society [10.1021/ac400559z](https://doi.org/10.1021/ac400559z)
2. Vermathen, Martina; Marzorati, Mattia; Bigler, Peter (2013). *Self-Assembling Properties of Porphyrinic Photosensitizers and Their Effect on Membrane Interactions Probed by NMR Spectroscopy*. Journal of physical chemistry - B, 117(23), S. 6990-7001. American Chemical Society [10.1021/jp403331n](https://doi.org/10.1021/jp403331n)

Buchbeitrag

1. Vermathen, Martina; Marzorati, Mattia; Baumgartner, Debora; Good, C; Vermathen, Peter (2013). *Impact of different cultivation methods on the metabolic profile of apples studied by 1H HR-MAS NMR spectroscopy*. In: van Duynhoven, John; Belton, Peter S.; Webb, G. A.; van As, Henk (Hg.) Magnetic Resonance in Food Science: Food for thought. Royal Society of Chemistry: Vol. 343 (S. 193-200). Cambridge: Royal Society of Chemistry [10.1039/9781849737531-00193](https://doi.org/10.1039/9781849737531-00193)

Konferenzbeitrag

1. Vermathen, Martina; Paul, Lydia; Furrer, Julien (2013). *Effect of a hexanuclear ruthenium complex on the metabolic profile of cancer cells studied by 1H HR-MAS NMR spectroscopy*. In: Small Molecule NMR Conference (SMASH). SMASH
2. Hädener, Marianne; Furrer, Julien; Vermathen, Martina (2013). *NMR spectroscopic investigations of porphyrinic photosensitizers with nanoparticles as carrier systems*. Chimia, 67(7-8/MC093), S. 542. Schweizerische Chemische Gesellschaft
3. Hädener, Marianne; Vermathen, Martina (2013). *NMR spectroscopic investigations of porphyrinic photosensitizers with nanoparticles as carrier systems*. Swiss Pharma, 10/13(P-25), S. 23. Swiss Society of Pharmaceutical Science

Zeitschriftenartikel

1. Zhumaev, Ulmas; Rudnev, Alexander; Li, Jianfeng; Kuzume, Akiyoshi; Vu, Thu-Hien; Wandlowski, Thomas (2013). *Electro-oxidation of Au(1 1 1) in contact with aqueous electrolytes: New insight from in situ vibration spectroscopy*. ELECTROCHIMICA ACTA, 112, S. 853-863. Pergamon [10.1016/j.electacta.2013.02.105](https://doi.org/10.1016/j.electacta.2013.02.105)
2. Kuzume, Akiyoshi; Zhumaev, Ulmas; Li, Jianfeng; Fu, Yongchun; Füg, Michael; Esteve-Nuñez, Abraham; Wandlowski, Thomas (2013). *An in-situ surface electrochemistry approach toward whole-cell studies: Charge transfer between Geobacter sulfurreducens and electrified metal/electrolyte interfaces through linker molecules*. ELECTROCHIMICA ACTA, 112, S. 933-942. Pergamon [10.1016/j.electacta.2013.02.073](https://doi.org/10.1016/j.electacta.2013.02.073)
3. Kolivoska, Viliam; Moreno-García, Pavel; Kaliginedi, Veerabhadrrao; Hong, Wenjing; Mayor, Marcel; Weibel, Nicolas; Wandlowski, Thomas (2013). *Electron transport through catechol-functionalized molecular rods*. ELECTROCHIMICA ACTA, 110, S. 709-717. Pergamon [10.1016/j.electacta.2013.02.003](https://doi.org/10.1016/j.electacta.2013.02.003)
4. Li, Chen; Stepanenko, Vladimir; Lin, Mei-Jin; Hong, Wenjing; Würthner, Frank; Wandlowski, Thomas (2013). *Charge transport through perylene bisimide molecular junctions: An electrochemical approach*. PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, 250(11), S. 2458-2467. Wiley [10.1002/pssb.201350034](https://doi.org/10.1002/pssb.201350034)
5. Vybornyi, Mykhailo; Rudnev, Alexander; Langenegger, Simon Matthias; Wandlowski, Thomas; Calzaferri, Gion; Häner, Robert (2013). *Formation of Two-Dimensional Supramolecular Polymers by Amphiphilic Pyrene Oligomers*. Angewandte Chemie (International ed.), 52(44), S. 11488-11493. Weinheim: Wiley-VCH [10.1002/anie.201307029](https://doi.org/10.1002/anie.201307029)
6. Zhao, Xiaotao; Huang, Cancan; Gulcur, Murat; Batsanov, Andrei S.; Baghernejad, Masoud; Hong, Wenjing; Bryce, Martin R.; Wandlowski, Thomas (2013). *Oligo(aryleneethynylene)s with Terminal Pyridyl Groups: Synthesis and Length Dependence of the Tunneling-to-Hopping Transition of Single-Molecule Conductances*. CHEMISTRY OF MATERIALS, 25(21), S. 4340-4347. American Chemical Society [10.1021/cm4029484](https://doi.org/10.1021/cm4029484)
7. Rudnev, Alexander; Zhumaev, Ulmas; Utsunomiya, Toru; Fan, Chunjie; Yokota, Yasuyuki; Fukui, Ken-ichi; Wandlowski, Thomas (2013). *Ferrocene-terminated alkanethiol self-assembled monolayers: An electrochemical and in situ surface-enhanced infra-red absorption spectroscopy study*. ELECTROCHIMICA ACTA, 107, S. 33-44. Pergamon [10.1016/j.electacta.2013.05.134](https://doi.org/10.1016/j.electacta.2013.05.134)
8. Li, Jian-Feng; Rudnev, Alexander; Fu, Yongchun; Bodappa, Nataraju; Wandlowski, Thomas (2013). *In Situ SHINERS at Electrochemical Single-Crystal Electrode/Electrolyte Interfaces: Tuning Preparation Strategies and Selected Applications*. ACS Nano, 7(10), S. 8940-8952. American Chemical Society [10.1021/nn403444j](https://doi.org/10.1021/nn403444j)
9. Moreno-García, Pavel; Gulcur, Murat; Manrique, David Zsolt; Pope, Thomas; Hong, Wenjing; Kaliginedi, Veerabhadrrao; Huang, Cancan; Batsanov, Andrei S.; Bryce, Martin R.; Lambert, Colin; Wandlowski, Thomas (2013). *Single-Molecule Conductance of Functionalized Oligoynes: Length Dependence and Junction Evolution*. JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 135(33), S. 12228-12240. American Chemical Society [10.1021/ja4015293](https://doi.org/10.1021/ja4015293)

10. Roldan, Diego; Kaliginedi, Veerabhadrrao; Cobo, Saioa; Kolivoska, Viliam; Bucher, Christophe; Hong, Wenjing; Royal, Guy; Wandlowski, Thomas (2013). *Charge Transport in Photoswitchable Dimethyldihydropyrene-Type Single-Molecule Junctions*. JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 135(16), S. 5974-5977. American Chemical Society [10.1021/ja401484j](https://doi.org/10.1021/ja401484j)
11. Pobelov, Ilya; Mohos, Miklos; Yoshida, Koji; Kolivoska, Viliam; Avdic, Amra; Lugstein, Alois; Bertagnolli, Emmerich; Leonhardt, Kelly; Guy, Denuault; Gollas, Bernhard; Wandlowski, Thomas (2013). *Electrochemical current-sensing atomic force microscopy in conductive solutions*. NANOTECHNOLOGY, 24(11), S. 115501. Institute of Physics Publishing [10.1088/0957-4484/24/11/115501](https://doi.org/10.1088/0957-4484/24/11/115501)
12. Rudnev, Alexander; Yoshida, Koji; Wandlowski, Thomas (2013). *Electrochemical characterization of self-assembled Ferrocene-terminated alkanethiol monolayers on low-index gold single crystal electrodes*. ELECTROCHIMICA ACTA, 87, S. 770-778. Pergamon [10.1016/j.electacta.2012.09.090](https://doi.org/10.1016/j.electacta.2012.09.090)

Konferenzbeitrag

1. Vybornyi, Mykhailo; Rudnev, Alexander; Wandlowski, Thomas; Langenegger, Simon Matthias; Häner, Robert (6 September 2013). *2D supramolecular polymers: nanosized, water-soluble "sheets"*. CHIMIA, 2013(7-8), S. 552. Schweizerische Chemische Gesellschaft
2. Vybornyi, Mykhailo; Rudnev, Alexander; Langenegger, Simon Matthias; Wandlowski, Thomas; Calzaferri, Gion; Häner, Robert (22 August 2013). *Two-dimensional supramolecular polymers (Unveröffentlicht)*. In: APME2013. Durham, UK. 18.-22.8.2013.
3. Vybornyi, Mykhailo; Rudnev, Alexander; Langenegger, Simon Matthias; Wandlowski, Thomas; Häner, Robert (12 August 2013). *Two-dimensional supramolecular polymers (Unveröffentlicht)*. In: Summer School 2013. Villars sur Ollon, Schweiz. 12.8.2013.
4. Langenegger, Simon Matthias; Vybornyi, Mykhailo; Rudnev, A V; Wandlowski, Thomas; Häner, Robert (25 Mai 2013). *Two-dimensional supramolecular polymers: controlled formation and visualization on the surface (Unveröffentlicht)*. In: SAOG2013. Fribourg Schweiz. 25. Januar 2013.