

## International Journal for Chemistry

and

### Official Membership Journal

of the Swiss Chemical Society (SCS)  
and its Divisions

## Internationale Zeitschrift für Chemie

und

### Offizielles Publikationsorgan

der Schweizerischen Chemischen Gesellschaft (SCG)  
und ihrer Divisionen

#### Divisions

Chemical Research  
Medicinal Chemistry  
Industrial Chemistry  
Analytical Chemistry  
Polymers and Colloids

#### Divisionen

Chemische Forschung  
Medizinische Chemie  
Industrielle Chemie  
Analytische Chemie  
Polymere und Kolloide

www.scg.ch/dcr  
www.scg.ch/dmc  
www.scg.ch/dic  
www.scg.ch/dac  
www.polycoll.ch

#### Associated Society Members

GSASA Swiss Soc. of Public Health and Hospital Pharmacists  
SACC Swiss Association of Computational Chemistry  
SGLUC Swiss Soc. of Food and Environmental Chemistry  
SGMS Swiss Group for Mass Spectrometry  
VSN Swiss Association of Science Teachers

#### Kollektivmitgliedergesellschaften

GSASA Ges. Schweiz. Amts- und Spitalapotheker  
SACC Schweiz. Arbeitsgemeinschaft für Computerchemie  
SGLUC Schweiz. Ges. für Lebensmittel- und Umweltchemie  
SGMS Schweiz. Gruppe für Massenspektrometrie  
VSN Verein Schweiz. Naturwissenschaftslehrerinnen und -lehrer

# VOL. 62 (2008)

#### Editorial Board

K. Gademann, Lausanne  
E. Gamp, Wädenswil  
C. Ganter, Zürich (Chairman)  
R.W. Kunz, Zürich  
J. Lacour, Genève  
P. Maienfisch, Basel  
R. Marti, Wädenswil  
V.R. Meyer, St. Gallen  
P. Renaud, Bern  
M.G. Schlageter, Basel

#### Advisory Board

F. Merkt, Zürich (Chemical Research)  
K.-H. Altmann, Zürich (Medicinal Chemistry)  
H.-R. Dettwiler, Visp (Industrial Chemistry)  
G. Hopfgartner, Genève (Analytical Chemistry)  
M. Borkovec, Genève (Polymers and Colloids)  
A. Alexakis, Genève  
A. Baiker, Zürich  
E. Felder, Basel  
D. Gygax, Muttenz  
K. Hungerbühler, Zürich  
C. Leumann, Bern  
D. Seebach, Zürich  
U. von Stockar, Lausanne  
P. Vogel, Lausanne

#### Editor-in-Chief

Prof. Philippe Renaud  
Universität Bern  
Departement für Chemie und Biochemie  
Freiestrasse 3  
CH-3000 Bern 9  
Tel.: +41 31 631 43 59, Fax: +41 31 631 34 26  
E-Mail: philippe.renaud@ioc.unibe.ch

#### Assistant Editor

Dr. Roland W. Kunz  
Organisch-chemisches Institut  
Universität Zürich  
Winterthurerstrasse 190  
CH-8057 Zürich  
Tel.: +41 44 635 42 35, Fax: +41 44 635 68 12  
E-Mail: kunz@oci.unizh.ch

#### Technical Editor

Dr. Gillian Harvey  
CHIMIA Technische Redaktion  
Pestalozzistrasse 34  
CH-8032 Zürich  
Tel.: +41 44 262 65 46, Fax: +41 44 262 65 46  
E-Mail: chimia.tr@bluewin.ch

#### Design and Production, Printing and Mailing

Zürichsee Druckereien AG  
Seestrasse 86  
CH-8712 Stäfa  
Tel.: +41 44 928 53 03, Fax: +41 44 928 53 10  
ISDN: +41 44 796 11 63  
E-Mail: chimia.druck@zsd.ch, www.zsd.ch

#### Advertisements and CHIMIA-Report

Kretz AG  
General Wille-Strasse 147, Postfach  
CH-8706 Feldmeilen  
Tel.: +41 44 925 50 60, Fax: +41 44 925 50 77  
E-Mail: chimia.annoncen@kretzag.ch  
www.kretzag.ch

#### Copyright by

Swiss Chemical Society  
www.scg.ch

#### Frequency: Monthly

#### Annual Personal Subscription 2008

Switzerland (P+E edition) CHF 220.-  
Foreign Countries (P+E edition) CHF 270.-  
For members of the SCS personal subscription to  
CHIMIA is included in the membership fee.

#### Annual Institutional Subscription 2008

World Wide (printed plus electronic edition) USD\$ 500.-

#### Single Issues

Switzerland (Mail charge incl.) CHF 35.-  
Foreign Countries (Mail charge incl.) USD\$ 35.-  
Electronic Issue (via Ingentaconnect.com) USD\$ 35.-

#### Single Articles

Single electronic articles via Ingenta.com USD\$ 15.-  
<http://www.ingentaconnect.com/>

#### Member and Subscriber Services

Swiss Chemical Society  
Schwarztorstrasse 9  
CH-3007 Bern  
Tel.: +41 31 310 40 90, Fax: +41 31 310 40 29  
E-Mail: info@scg.ch  
www.scg.ch  
IBAN CH8400230230105561600

#### Head Office of the Swiss Chemical Society

Dr. Lukas Weber  
Schwarztorstrasse 9  
CH-3007 Bern  
Tel.: +41 31 310 40 91, Fax: +41 31 310 40 29  
E-Mail: weber@scg.ch  
www.scg.ch



# Author Index

CHIMIA 62 (2008)

- Aebischer, O. F.*, see *Jenny T. A.*, 967  
*Aissaoui, H.*, see *Boss, C.*, 974  
*Alameddine, B.*, see *Jenny T. A.*, 967  
*Albert, S.*, see *Quack, M.*, 273  
*Alberto, R., Roodt, A.*, Conference Report: RheManTec 2007 – Joint Swiss – South African Research Symposium down the Manganese Triad, 41  
*Alberto, R.*, see *Berke, H. G.*, 111  
*Alberto, R., Pitchumony, T. S., Spingler, B., Motterlini, R.*, Derivatives of Sodium Boranocarbonate as Novel CO-Releasing Molecules (CO-RMs), 277  
*Albrecht, M., Heckenroth, M.*, Palladium Complexes Comprising C(4)-bound Dimidazolylidene Carbenes, 253  
*Alexakis, A., Vuagnoux-d'Augustin, M., Martin, D., Kehrl, S., Palais, L., Hénon, H., Hawner, C.*, Formation of All-Carbon Quaternary Centers by Copper-Catalyzed Asymmetric Conjugate Addition, 461  
*Allen, J.*, see *Craig, G. W.*, 23  
*Althaus, F. R., Hungerbühler, K., Jobling, S., Rugg, U., Soto, A., Studer, C.*, Editorial: Endocrine Disruptors: Relevance to Humans, Animals and Ecosystems Research Highlights from the National Research Programme NRP50, 316  
*Althaus, F. R.*, Introduction, 318  
*Altorfer, M.*, see *Obrecht, D.*, 154  
*Amelia, M.*, see *Credi, A.*, 204  
*Arlettaz, R.*, see *Jenni-Eiermann, S.*, 301  
*Arz, C.*, see *Schulthess, A.*, 826  
*Aslan-Guerel, E.*, see *Fermin, D.*, 841  
*Atrian, S.*, see *Chatgililoglu, C.*, 721  
*Austeri, M.*, see *Lacour, J.*, 42, 169, 300, 439, 529, 684, 750, 859, 935, 980
- Bach, R.*, see *Lacour, J.*, 42, 169, 300, 439, 529, 684, 750, 859, 935, 980  
*Bader, H.-P.*, see *Morf, L. S.*, 424  
*Banfi, D.*, see *Patiny, L.*, 280  
*Bauer, G.*, see *Goldstein, S.*, 704  
*Bauerecker, S.*, see *Quack, M.*, 273  
*Baxendale, I. R.*, see *Ley, S. V.*, 162  
*Bayen, S., Tercier-Waeber, M.-L., Parthasarathy, N., Buffle, J.*, Highlights of Analytical Chemistry in Switzerland: Analytical Concepts and Tools for Speciation Studies, 170  
*Beaufils, F.*, see *Renaud, P.*, 510  
*Beer, D., Herzig, T.*, From 'Kilo-Labor' to CarboGen, 152  
*Berger, O.*, see *Wörle, M.*, 882  
*Berke, H. G., Alberto, R., Patzke, G. R., Siegel, R. K. O.*, In the Footsteps of Alfred Werner: The Institute of Inorganic Chemistry at the University of Zurich, 111  
*Berke, H., Merkt, F.*, Editorial: Invitation to Attend the Fall Meeting of the Swiss Chemical Society in Zurich, on Thursday, September 11, 2008, 540  
*Bernet, D.*, see *Segner, H.*, 383  
*Besse, J., Frey, U.*, FH-HES: 20 Years Life Technologies at the University of Applied Sciences Western Switzerland Valais, 686  
*Best, J.*, see *van der Veen R. M.*, 287  
*Bhosale, S.*, see *Matile, S.*, 493  
*Birbaum, K., Fragière, M.*, A Bronze Medal for Switzerland at the 40th International Chemistry Olympiad 2008 in Budapest, 982  
*Birchler, M.*, see *Schlumpf, M.*, 345  
*Birchler, M.*, see *Schlumpf, M.*, 688  
*Bittner, D.*, see *Segner, H.*, 383  
*Blaser, H.-U.*, see *Hoge, G.*, 476  
*Bobrowski, K.*, see *Chatgililoglu, C.*, 721  
*Bobrowski, K.*, see *Houée-Levin, C.*, 728  
*Boccard, J.*, see *Rudaz, S.*, 685  
*Bochet, C. G., Streit, U.*, Recent Developments in Arene Photocycloadditions, 962  
*Bodenhausen, G., Molinié, A.*, America, America! 291  
*Bogdal, C.*, see *Gerecke, A. C.*, 352  
*Bondy, S.*, see *Craig, G. W.*, 23  
*Bonnard Yersin, J.-M.*, see *Wörle, M.*, 882  
*Bonnard Yersin, P.*, see *Wörle, M.*, 882  
*Borca, C. N.*, see *van der Veen R. M.*, 287  
*Borkovec, M., Steinmann, B.*, Editorial: Polymers and Colloid Division, 772  
*Borsuk, M. E.*, see *Burkhardt-Holm, P.*, 376  
*Boss, C., Brisbare-Roch, C., Jenck, F., Aissaoui, H., Koberstein, R., Sifferlen, T., Weller, T.*, Orexin Receptor Antagonism: A New Principle in Neuroscience, 974  
*Boudon, V.*, see *Quack, M.*, 273  
*Boulmaaz, S.*, see *Grützmacher, H.*, 18  
*Bovet, C.*, see *Zenobi, R.*, 329  
*Boyarkin, O. V.*, see *Stearns, J. A.*, 240  
*Bradbury, C. R.*, see *Fermin, D.*, 841  
*Braun, C.*, see *Gälli, R.*, 417  
*Bressler, C.*, see *van der Veen R. M.*, 287  
*Brisbare-Roch, C., Boss, C., Jenck, F., Aissaoui, H., Koberstein, R., Sifferlen, T., Weller, T.*, Orexin Receptor Antagonism: A New Principle in Neuroscience, 974  
*Briskin, C.*, Endocrine Disruptors and Breast Cancer, 406  
*Brunetto, P. S.*, see *Fromm, K. M.*, 249  
*Brunner, H.*, see *Craig, G. W.*, 23  
*Bucheli, T. D., Hartmann, N., Erbs, M., Wettstein, F. E., Hörger, C. C., Vogelgsang, S., Forrer, H.-R., Schwarzenbach, R. P.*, Environmental Exposure to Estrogenic and other Myco- and Phytotoxins, 364  
*Buder, A.*, Dammir Resin Degradation Revisited, 913  
*Bugnon, L.*, see *Mühlebach, A.*, 799  
*Bunk, O.*, see *van der Veen, J. F.*, 789  
*Bünzli, C.*, see *Fermin, D.*, 841  
*Bürgi, T., Gautier, C.*, Chiral Metal Surfaces and Nanoparticles, 465  
*Burkhardt-Holm, P., Segner, H., Burki, R., Peter, A., Schubert, S., Suter, M. J.-F., Borsuk, M. E.*, Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects, 376  
*Burki, R.*, see *Burkhardt-Holm, P.*, 376  
*Buser, A. M.*, see *Morf, L. S.*, 424  
*Buterin, T.*, see *Naegeli, H.*, 410  
*Butterfield, S. M., Matile, S.*, Synthetic Pores as Sensors: Focus on Zinc Filters for IP7 and Phytate Contents in Lentils, Almonds, and Soybeans, 215  
*Cadet, J., Carell, T., Cellai, L., Chatgililoglu, C., Gimisis, T., Miranda, M., O'Neill, P., Ravanat, J.-L., Robert, M.*, DNA Damage and Radical Reactions: Mechanistic Aspects, Formation in Cells and Repair Studies, 742  
*Capdevila, M.*, see *Chatgililoglu, C.*, 721  
*Cardinaux, F.*, see *Schurtenberger, P.*, 805  
*Carell, T.*, see *Cadet, J.*, 742  
*Carrara, M.*, see *Fermin, D.*, 841  
*Carruto, P.-A.*, see *Rudaz, S.*, 685  
*Cederroth, C. R.*, see *Nef, S.*, 401  
*Cellai, L.*, see *Cadet, J.*, 742  
*Champion, J.-P.*, see *Quack, M.*, 273  
*Chaplin, A. B.*, Catalytic Activity of bis-Phosphine Ruthenium(II)-Arene Compounds, 217  
*Chappuis, T.*, FH – HES: Thierry Chappuis, nouveau professeur de génie chimique à l'Ecole d'Ingénieurs et d'Architectes de Fribourg (EIA-FR), 861  
*Chatgililoglu, C.*, Editorial: Free Radicals in Chemical Biology, 703  
*Chatgililoglu, C.*, see *Goldstein, S.*, 704  
*Chatgililoglu, C.*, see *Ferreri, C.*, 713  
*Chatgililoglu, C., Atrian, S., Bobrowski, K., Capdevila, M., Ferreri, C., Houée-Levin, C., Salzano, A. M., Scaloni, A., Torreggiani, A.*, Biomimetic Chemistry on Tandem Protein/Lipid Damages under Reductive Radical Stress, 721  
*Chatgililoglu, C.*, see *Cadet, J.*, 742  
*Cheng, S.*, see *Craig, G. W.*, 23  
*Chergui, M., van der Veen, R. M., Milne, C. J., Pham, V.-T., El Nahhas, A., Weinstein, J. A., Best, J., Borca, C. N., Bressler, C.*, EXAFS Structural Determination of the Pt<sub>2</sub>(P<sub>2</sub>O<sub>5</sub>H<sub>2</sub>)<sub>4</sub><sup>4-</sup> Anion in Solution, 287  
*CHIMIA Editorial Board, CHIMIA News*, 4  
*CHIMIA Editorial Board*, Instructions to Authors 2008, 5  
*Chollet, R.*, see *Craig, G. W.*, 23  
*Chollet, Y.*, see *Crausaz, M.*, 395  
*Collomb M.*, see *Wehrmüller, K.*, 43  
*Comer, D. D.*, see *Craig, G. W.*, 23  
*Comiotto, A.*, Miniaturized Cold Atmospheric Plasma for the Conservation of Plastics in Modern and Contemporary Art, 877  
*Craig, G. W., Glock, J., Allen, J., Niderman, T., Haas, H. U., Chollet, R., Eberle, M., Reinold, P., Lutz, W., Ehrler, J., Valentini, M., Walti, M., Sieger, E., Vettiger, T., Brunner, H., Penzotti, J. E., Grootenhuis, P. D. J., Bondy, S., Comer, D. D., Cheng, S., Steiger, A., Zeller, M., Laue, G., Friedmann, A., Jacob, O., Nina, M., Widmer, H.-J., Kreuz, K.*, Lead-Discovery of bis-Aromatic Alkynes: A Novel Class of Herbicides, 23  
*Crausaz, M., Vargas, J., Parapanov, R., Chollet, Y., Wisard, M., Stettler, E., Senn, A., Germond, M.*, First Evaluation of Human Sperm Quality in Various Geographic Regions of Switzerland, 395  
*Credi, A., Amelia, M., Semeraro, M., Silvi, S.*, Grammaticakis-Neumann Prize 2007: Artificial Molecular Machines Powered by Light, 204  
*Croft, A. K., Lindsay, K. B., Renaud, P., Skrydstrup, T.*, Radicals by Design, 735

- Dagallier, C., see Schurtenberger, P., 805  
David, C., see van der Veen, J. F., 789  
Dénès, F., see Renaud, P., 510  
Denmark, S. E., Prelog Lecture: Asymmetric Catalysis with Chiral Lewis Bases: A New Frontier in Main Group Chemistry, 35  
Desvergne, B., see Wahli, W., 340  
Diaz, A., see van der Veen, J. F., 789  
Diederich, F., Hirsch, A. K., H., The Non-Mevalonate Pathway to Isoprenoid Biosynthesis: A Potential Source of New Drug Targets, 226  
Dietsch, H., see Schurtenberger, P., 805  
Dip, R., see Naegeli, H., 410  
Dobler, M., see Verdani, A., 322  
Dobmann, A., see Schulthess, A., 826  
Duncan, R., see Märki, H. P., 918  
Durrer, S., see Schlumpf, M., 345  
Durrer, S., see Schlumpf, M., 688
- Eberle, M., see Craig, G. W., 23  
Eggen, R. I. L., see Segner, H., 383  
Eggen, R. I. L., see Vermeirssen, E. L. M., 389  
Ehnes, C., see Schlumpf, M., 345  
Ehnes, C., see Schlumpf, M., 688  
Ehrler, J., see Craig, G. W., 23  
Eiler, S., see Zenobi, R., 329  
Eisenberger, P., see Kieltch, I., 260  
El Nahhas, A., see van der Veen R. M., 287  
Erbs, M., see Bucheli, T. D., 364  
Ernst, K.-H., Expression and Amplification of Chirality in Two-Dimensional Molecular Crystals, 471  
Ertl, G., Aus den *Nachrichten aus der Chemie*: „Wie ein Regisseur im Theater“ – Interview mit Gerhard Ertl *Nachrichten aus der Chemie* 2008, 56, 121–124, 44  
Eschenmoser, A., Prelog Medal 2007 – Laudatio for Scott Denmark, 35  
Escher, B. I., see Vermeirssen, E. L. M., 389  
EuCHEMS, EuCHEMS Newsletter May, 693  
EuCHEMS, EuCHEMS Newsletter September, 759  
EuCHEMS, EuCHEMS Newsletter November, 945  
Eugster, C. H., 150 Years of Chemistry at the University of Zurich, 75
- Faass, O., see Schlumpf, M., 345  
Faass, O., see Schlumpf, M., 688  
Favre, S., see Gerber-Lemaire, S., 217  
Feige, J., see Wahli, W., 340  
Felder, P., Müller, R.-P., Roduner, E., Rosenkranz, H. J., Stafast, H., Walther, T., Alumni Profiles, 157  
Fent, K., Kunz, P. Y., Gomez, E., UV Filters in the Aquatic Environment Induce Hormonal Effects and Affect Fertility and Reproduction in Fish, 368  
Fera, L., see Renaud, P., 510  
Fermin, D., Bradbury, C. R., Bünzli, C., Zhao, J., Carrara, M., Kissling, G. P., Aslan-Guerel, E., Modulating the Reactivity of Electrode Surfaces by Electrostatic Assembly of Metal Nanoparticles and Quantum Dots, 841  
Ferreri, C., Chatgililoglu, C., Hermetter, A., Lacote, E., Mihaljevic, B., Nicolaidis, A., Siafaka-Kapadai, A., Lipidomics and Free Radical Modifications of Lipids, 713  
Ferreri, C., see Chatgililoglu, C., 721  
Finney, N. S., Tracing Chemical Genealogy Through the Archives of the Institute of Organic Chemistry at the University of Zurich, 126  
Finney, N. S., Siegel, J. S., In Memoriam: Albert Hofmann (1906–2008), 444  
Fischer, D. F., see Peters, R., 497  
Forrer, H.-R., see Bucheli, T. D., 364  
Fragière, M., see Birbaum, K., 982  
Francotte, E., Lacour, J., Editorial: Chirality, 460  
Fräter, G., 1959–1968: The Formative Years, 145  
Fräter, G., Editorial: Laureate: Awards and Honors SCS Fall Meeting 2007, 196  
Frey, U., see Besse, J., 686  
Friedmann, A., see Craig, G. W., 23  
Fromm, K. M., Brunetto, P. S., Antimicrobial Coatings for Implant Surfaces, 249  
Fuchsberger, E., see van der Veen, J. F., 789  
Fuetsch, M., see Schlumpf, M., 345  
Fuetsch, M., see Schlumpf, M., 688
- Gabriel, F. L. P., see Kohler, H.-P. E., 358  
Gaille, C., see Schlumpf, M., 345  
Gaille, C., see Schlumpf, M., 688  
Galli, R., Braun, C., Integrative Risk Assessment of Endocrine Disruptors in Switzerland, 417  
Gautier, C., see Bürgi, T., 465  
Gebicka, L., see Goldstein, S., 704  
Gebicki, J. L., see Goldstein, S., 704  
Geier, J., see Grützmaker, H., 18  
Gelman, L., see Wahli, W., 340  
Gerber-Lemaire, S., Favre, S., Vogel, P., Preparation and Synthetic Applications of 8-Oxabicyclo[3.2.1]oct-6-en-3-one Derivatives, 221  
Gerecke, A. C., Schmid, P., Bogdal, C., Kohler, M., Zennegg, M., Heeb, N. V., Brominated Flame Retardants – Endocrine-Disrupting Chemicals in the Swiss Environment, 352  
Gerecke, A., see Heeb, N., 936  
Germond, M., see Crausaz, M., 395  
Gerrits, B., see Zenobi, R., 329  
Gescheidt, G., see Goldstein, S., 704  
Gibaud, T., see Schurtenberger, P., 805  
Giger, W., see Kohler, H.-P. E., 358  
Gimisis, T., see Cadet, J., 742  
Glauser, G., see Rudaz, S., 685  
Glock, J., see Craig, G. W., 23  
Golding, B. T., see Goldstein, S., 704  
Goldstein, S., Bauer, G., Chatgililoglu, C., Gebicki, J. L., Gebicka, L., Gescheidt, G., Golding, B. T., Kaizer, J., Merenyi, G., Speier, G., Wardman, P., Biologically Relevant Small Radicals, 704  
Gomez, E., see Fent, K., 368  
Granger, F., see Zenobi, R., 329  
Grata, E., see Rudaz, S., 685  
Gremaud, L., see Rudaz, S., 210  
Grootenhuis, P. D. J., see Craig, G. W., 23  
Grundmann, G., Richter, M., Current Research on Artificial Arsenic Sulphide Pigments in Artworks: A Short Review, 903  
Grützmaker, H., Geier, J., Stein, D., Ott, T., Schönberg, H., Sommerlade, R. H., Boulmaaz, S., Wolf, J.-P., Murer, P., Ulrich, T., A Simple Straightforward Synthesis of Phenylphosphane and the Photoinitiator Bis(mesityl)phenylphosphane Oxide (IRGACURE 819), 18  
Guillarme, D., see Rudaz, S., 685  
Gumy, C., see Odermat, A., 335  
Gurny, R., see Möller, M., 832
- Haag, R., see Heeb, N., 936  
Haas, H. U., see Craig, G. W., 23  
Haerri, H.-P., Highlights of Analytical Chemistry in Switzerland: Calibrating Sensitive Analytical Instruments – or How Much is “Zero”? 751  
Haesler, J., see Hug, W., 482  
Haftek-Terreau, Z., see Wahli, W., 340  
Halim, S. C., see Stark, W. J., 13  
Hansen, H.-J., Years with Hans Schmid, 132  
Hartmann, C., see Wörle, M., 882  
Hartmann, N., see Bucheli, T. D., 364  
Hauser, P. C., Schmid, S., Macka, M., Highlights of Analytical Chemistry in Switzerland: Deep-UV Detector for HPLC with Light-Emitting Diode, 860  
Hawner, C., see Alexakis, A., 461  
Heckenroth, M., see Albrecht, M., 253  
Heeb, N. V., see Gerecke, A. C., 352  
Heeb, N., Schweizer, W. B., Haag, R., Gerecke, A., Schmid, P., Kohler, M., Zennegg, M., Vonmont, H., Highlights of Analytical Chemistry in Switzerland: Hexabromocyclododecanes: From Smart Molecules to Persistent Pollutants, 936  
Heimgartner, H., see Siegel, J. S., 114  
Hennig, A., see Matile, S., 493  
Hénon, H., see Alexakis, A., 461  
Henseler, M., see Schlumpf, M., 345  
Henseler, M., see Schlumpf, M., 688  
Herm, C., Mobile Micro-X-ray Fluorescence Analysis (XRF) on Medieval Paintings, 887  
Hermetter, A., see Ferreri, C., 713  
Herzig, T., see Beer, D., 152  
Hildbrand, E., see Wörle, M., 882  
Hinderling, C., FH – HES: Chemie studieren am Institut für Chemie und Biologische Chemie (ICBC) der Zürcher Hochschule für Angewandte Wissenschaften in Wädenswil, 171  
Hirayama, M., Siegmann, K., Coatings and Aerogels Based on Sol-Gel Processes, 815  
Hirsch, A. K. H., see Diederich, F., 226  
Hofkamp, L., see Schlumpf, M., 345  
Hofkamp, L., see Schlumpf, M., 688  
Hoge, G., Blaser, H.-U., Lotz, M., Nettekoven, U., Schnyder, A., Spindler, F., Strategies for Accelerating the Development of Catalytic Enantioselective Reactions, 476  
Homazava, N., Ulrich, A., Krähenbühl, U., Highlights of Analytical Chemistry in Switzerland: *In situ* Element-Specific and Time-Resolved Investigation of Micro-Corrosion Processes, 530  
Hörger, C. C., see Bucheli, T. D., 364  
Horny, L., see Quack, M., 256  
Hörtensteiner, S., Müller, T., Kräutler, B., Highlights of Analytical Chemistry in Switzerland: The Mechanism of Chlorophyll Degradation in Plants, 440  
Houé-Levin, C., see Chatgililoglu, C., 721

- Houée-Levin, C., Bobrowski, K., Marciniak, B., Stabilization and Reactions of Sulfur Radical Cations: Relevance to One-Electron Oxidation of Methionine in Peptides and Proteins, 728
- Huber, J. R., A Brief History of the Institute of Physical Chemistry at the University of Zurich, 103
- Hubert, V., see Wörle, M., 882
- Hug, W., Haesler, J., Raman Optical Activity: A Reliable Chiroptical Technique, 482
- Hunger, K., see Wörle, M., 882
- Hungerbühler, K., see Althaus, F. R., 316
- Hutin, M., see Nitschke, J., 198
- Imboden, C., see Renaud, P., 510
- Ishitsuka, H., see Märki, H. P., 918
- Jacob, O., see Craig, G. W., 23
- Jautze, S., see Peters, R., 497
- Jecklin, M. C., see Touboul, D., 282
- Jenck, F., see Boss, C., 974
- Jenni-Eiermann, S., Arlettaz, R., Highlights of Analytical Chemistry in Switzerland: Does Ski Tourism Affect Alpine Bird Fauna? 301
- Jenny, T. A., Poffet, M. S., Käser, K., Thermal Runaway of Dried Sewage Sludge Granules in Storage Tanks, 29
- Jenny, T. A., Aebischer, O. F., Alameddine, B., Hexa-*peri*-hexabenzocoronenes – Controlling their Self-Assembly by Engineering the Lateral Substituents, 967
- Jobling, S., see Althaus, F. R., 316
- Kaizer, J., see Goldstein, S., 704
- Karpf, M., Studying Chemistry at the University of Zurich in the Sixties and Seventies of the Last Century: A Personal View, 148
- Käser, F., Roduit, B., Lifetime Prediction of Rubber Using the Chemiluminescence Approach and Isoconventional Kinetics, 908
- Käser, K., see Jenny, T. A., 29
- Kehrli, S., see Alexakis, A., 461
- Kielsch, I., Eisenberger, P., Stanek, K., Togni, A., Recent Advances in Electrophilic CF<sub>3</sub>-Transfer Using Hypervalent Iodine(III) Reagents, 260
- Kipfer, S., see Segner, H., 383
- Kissling, G. P., see Fermin, D., 841
- Kita-Tokaczyk, K., see Meier, W., 820
- Klok, H.-A., Lavanant, L., Biofunctional and Biomimetic Polymer Brushes Prepared via Surface-Initiated Atom Transfer Radical Polymerization, 793
- Knopff, O., Kuhne, J., New Practical Synthesis of the Exceptional Musk Odorants (*R*)-Muscone and (*R,Z*)-5-Musconone, 489
- Koberstein, R., see Boss, C., 974
- Koch, F. M., see Peters, R., 497
- Kohler, H.-P. E., Gabriel, F. L. P., Giger, W., *ipso*-Substitution – A Novel Pathway for Microbial Metabolism of Endocrine-Disrupting 4-Nonylphenols, 4-Alkoxyphenols, and Bisphenol A, 358
- Kohler, M., see Gerecke, A. C., 352
- Kohler, M., see Heeb, N., 336
- Konradi, R., Pidhatika, B., Möller, J., Vogel, V., Nonfouling Surface Coatings Based on Poly(2-methyl-2-oxazoline), 264
- Krähenbühl, U., see Homazava, N., 530
- Kräutler, B., see Hörtensteiner, S., 440
- Kreuz, K., see Craig, G. W., 23
- Kröck, L., see Seeberger, P. H., 8
- Kuhne, J., see Knopff, O., 489
- Kull, T., see Peters, R., 497
- Küng, C., see Segner, H., 383
- Kunz, P. Y., see Fent, K., 368
- Kuznetsov, N., see Renaud, P., 510
- Kypke, K., see Schlumpf, M., 345
- Kypke, K., see Schlumpf, M., 688
- Lacote, E., see Ferreri, C., 713
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Novikov, R., Sharma, A., Torricelli, F., Swiss Science Concentrates, 42
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Novikov, R., Sharma, A., Torricelli, F., Swiss Science Concentrates, 169
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Novikov, R., Sharma, A., Torricelli, F., Swiss Science Concentrates, 300
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Novikov, R., Sharma, A., Torricelli, F., Swiss Science Concentrates, 439
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Novikov, R., Sharma, A., Torricelli, F., Swiss Science Concentrates, 529
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Novikov, R., Sharma, A., Torricelli, F., Swiss Science Concentrates, 684
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Novikov, R., Sharma, A., Torricelli, F., Swiss Science Concentrates, 750
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Novikov, R., Sharma, A., Torricelli, F., Swiss Science Concentrates, 859
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Sharma, A., Torricelli, F., Zeghida, W., Swiss Science Concentrates, 935
- Lacour, J., Austeri, M., Bach, R., Mehanna, N., Sharma, A., Torricelli, F., Zeghida, W., Swiss Science Concentrates, 980
- Lacour, J., Francotte, E., Editorial: Chirality, 460
- Largiadier, C. R., see Segner, H., 383
- Larsen, R., The Chemical Degradation of Leather, 899
- Laue, G., see Craig, G. W., 23
- Lavanant, L., see Klok, H.-A., 793
- Leser, M. E., Michel, M., Colloids in Milk Products, 783
- Leumann, C. J., Luisier, S., Synthesis of Bicyclo-DNA Nucleosides with Additional Functionalization in the Carbocyclic Ring, 270
- Ley, S. V., Baxendale, I. R., Karrer Lecture 2007: The Changing Face of Organic Synthesis, 162
- Lichtensteiger, W., see Schlumpf, M., 345
- Liedtke, A., see Segner, H., 383
- Lin, I.-C., see Röhrlisberger, U., 231
- Lindsay, K. B., see Croft, A. K., 735
- Lotz, M., see Hoge, G., 476
- Lücke, S., see Wahli, W., 340
- Luisier, S., see Leumann, C. J., 270
- Lutz, W., see Craig, G. W., 23
- Macka, M., see Hauser, P. C., 860
- Maerker, K., see Schlumpf, M., 345
- Maerker, K., see Schlumpf, M., 688
- Malik, V., see Schurtenberger, P., 805
- Manca, C., see Quark, M., 235
- Mao, J., see Ward, T. R., 956
- Marciniak, B., see Houée-Levin, C., 728
- Mariotti, F., see Quack, M., 256
- Märki, H. P., Duncan, R., Ojima, I., Neri, D., Shimma, N., Okabe, H., Ishitsuka, H., Conference Report: Drug Targeting: Mini-Symposium of the Division for Medicinal Chemistry (DMC) of the Swiss Chemical Society (SCS), at the Department of Chemistry, University of Basel, May 29, 2008, 918
- Martin, D., see Alexakis, A., 461
- Matile, S., Introduction to the Art of Chemistry, 140
- Matile, S., see Butterfield, S., 215
- Matile, S., Hennig, A., Bhosale, S., Sakai, N., CD Methods Development at the Bio-Nano Interface, 493
- Mehanna, N., see Lacour, J., 42, 169, 300, 439, 529, 684, 750, 859, 935, 980
- Meier, W., Kita-Tokaczyk, K., Biomimetic Block Copolymer Membranes, 820
- Meincke, O., see Schulthess, A., 826
- Merényi, G., see Goldstein, S., 704
- Merkt, F., Berke, H., Editorial: Invitation to Attend the Fall Meeting of the Swiss Chemical Society in Zurich, on Thursday, September 11, 2008, 540
- Michel, M., see Leser, M. E., 783
- Mihaljevic, B., see Ferreri, C., 713
- Milne, C. J., see van der Veen R. M., 287
- Miranda, M., see Cadet, J., 742
- Molinié, A., Bodenhausen, G., America, America! 291
- Möller, J., see Konradi, R., 264
- Möller, M., Mondon, K., Gurny, R., Colloidal Drug Delivery Systems – Recent Advances with Polymeric Micelles, 832
- Mondon, K., see Möller, M., 832
- Moras, D., see Zenobi, R., 329
- Morf, L. S., Buser, A. M., Taverna, R., Bader, H.-P., Scheidegger, R., Dynamic Substance Flow Analysis as a Valuable Risk Evaluation Tool – A Case Study for Brominated Flame Retardants as an Example of Potential Endocrine Disrupters, 424
- Motterlini, R., see Alberto, R., 277
- Mühlbach, A., Nesvadba, P., Rime, F., Bugnon, L., Exfoliation of Sheet Silicates by Nitroxide Mediated Polymerization, 799
- Müller, R.-P., Felder, P., Roduner, E., Rosenkranz, H. J., Stafast, H., Walther, T., Alumni Profiles, 157
- Müller, T., see Hörtensteiner, S., 440
- Murer, P., see Grützmaier, H., 18
- Naegeli, H., Dip, R., Buterin, T., Wenger, D., Schmid, P., Genetic Reprogramming of Human Mammary Cells by Environmental Carcinogens Released into Breast Milk, 410
- Nägler, T. F., Highlights of Analytical Chemistry in Switzerland: Mass Extinction and Mass Spectrometry: Pursuing the Fate of the Earliest Multicellulars, 981
- Nef, S., Cederroth, C. R., Diethylstilbestrol Action on Leydig Cell Function and Testicular Descent, 401

- Neri, D., see Märki, H. P., 918  
Nesvadba, P., see Mühlebach, A., 799  
Nettekoven, U., see Hoge, G., 476  
Nicolaidis, A., see Ferreri, C., 713  
Niderman, T., see Craig, G. W., 23  
Niederer, H.-M., see Quack, M., 273  
Nina, M., see Craig, G. W., 23  
Nitschke, J., Hutin, M., Schultz, D., Werner Prize 2007: From Simplicity to Complexity via Subcomponent Self-Assembly, 198  
Nitschke, T., Editorial: Laureate: Awards and Honors SCS Fall Meeting 2007, 197  
Novikov, R., see Lacour, J., 42, 169, 300, 439, 529, 684, 750, 859, 935, 980
- O'Neill, P., see Cadet, J., 742  
Obrecht, D., Obrecht, J. P., Altorfer, M., UNZ: Alma Mater and Birthplace of Polyphor Ltd, 154  
Obrecht, J. P., see Obrecht, D., 154  
Odermatt, A., Gumy, C., Disruption of Glucocorticoid and Mineralocorticoid Receptor-Mediated Responses by Environmental Chemicals, 335  
Ojima, I., see Märki, H. P., 918  
Okabe, H., see Märki, H. P., 918  
Ott, T., see Grützmacher, H., 18
- Padeste, C., see van der Veen, J. F., 789  
Palais, L., see Alexakis, A., 461  
Papastavrou, G., Rentsch, S., Siegenthaler, H., Highlights in Polymer and Colloid Chemistry: Probing the Diffuse Layer of Modified Electrodes by Direct Force Measurements, 937  
Parapanov, R., see Crausaz, M., 395  
Patiny, L., Banfi, D., www.nmrdb.org: Resurrounding and Processing NMR Spectra Online, 280  
Patterson, B. D., see van der Veen, J. F., 789  
Patzke, G. R., see Berke, H. G., 111  
Penzotti, J. E., see Craig, G. W., 23  
Peristera, O., see Verdani, A., 322  
Peter, A., see Burkhardt-Holm, P., 376  
Peters, R., Fischer, D. F., Jautze, S., Koch, F. M., Kull, T., Tiseni, P. S., Xin, Z., Zajac, M., Catalytic Methods for Direct Access to Chiral High-Added-Value Products, 497  
Pfalz, A., Schrems, M. G., Wang, A., Recent Progress in Iridium-Catalyzed Enantioselective Hydrogenation: Tetrasubstituted Olefins and Polyenes, 506  
Pfeiffer, F., see van der Veen, J. F., 789  
Pham, V.-T., see van der Veen, R. M., 287  
Pidhatika, B., see Konradi, R., 264  
Pieles, U., Shahgaldian, P., Wirth, A., FH – HES: Nanoparticulate Systems: A New Competence Platform at the University of Applied Sciences Northwestern Switzerland (FHNW), 441  
Pitchumony, T. S., see Alberto, R., 277  
Poffet, M. S., see Jenny, T. A., 29
- Quack, M., Manca, C., Willeke, M., Vibrational Predissociation in Hydrogen Bonded Dimers: The Case of (HF)<sub>2</sub> and its Isotopomers, 235  
Quack, M., Horny, L., Mariotti, F., Ab Initio Study of Some Persistent Nitroxide Radicals, 256  
Quack, M., Niederer, H.-M., Albert, S., Bauer-ecker, S., Boudon, V., Champion, J.-P., Global Analysis of the Infrared Spectrum of <sup>13</sup>CH<sub>4</sub>: Lines in the Region 0 to 3200 cm<sup>-1</sup>, 273  
Quellet, C., Polymer and Colloid Chemistry in Switzerland, 773
- Ramstein, M., see Würle, M., 882  
Ravanat, J.-L., see Cadet, J., 742  
Renaud, P., Editorial: Hot Topics, 7  
Renaud, P., Beaufile, F., Dénès, F., Feray, L., Imboden, C., Kuznetsov, N., Stereoselective Radical Translocations, 510  
Renaud, P., see Croft, A. K., 735  
Renaud, P., Editorial: Hot Topics, 955  
Renold, P., see Craig, G. W., 23  
Rentsch, S., see Papastavrou, G., 937  
Reolon, S., see Schlumpf, M., 345  
Reolon, S., see Schlumpf, M., 688  
Reufer, M., see Schurtenberger, P., 805  
Richter, M., see Grundmann, G., 903  
Rime, F., see Mühlebach, A., 799  
Rizzo, T. R., see Stearns, J. A., 240  
Robert, M., see Cadet, J., 742  
Robvieux, F., Conference Report: Highlights from the 1<sup>st</sup> Firmenich Innovation Through Synthesis (FITS) Symposium, Geneva, Switzerland, 26–27<sup>th</sup> June 2008, 856  
Roduit, B., see Käser, F., 908  
Roduner, E., Felder, P., Müller, R.-P., Rosenkranz, H. J., Stafast, H., Walther, T., Alumni Profiles, 157  
Rohrbasser, C., see Rudaz, S., 210  
Roodt, A., see Alberto, R., 41  
Rosenkranz, H. J., Felder, P., Müller, R.-P., Roduner, E., Stafast, H., Walther, T., Alumni Profiles, 157  
Roth, M., The Odyssey of a Polymer Chemist in Switzerland, 847  
Röthlisberger, U., Lin, I.-C., Atom-Centered Potentials to Describe Dispersion Forces in Density Functional Theory, 231  
Rotman, N., see Wahli, W., 340  
Rudaz, S., Gremaud, L., Schappler, J., Veuthy, J.-L., Rohrbasser, C., Dr. Max Lüthi Award 2007: Analysis of Amphetamine Derivatives in Plasma Using Capillary Zone Electrophoresis Coupled with Laser-Induced Fluorescence after Derivatization on Solid-Phase Extraction Support, 210  
Rudaz, S., Grata, E., Boccard, J., Glauser, G., Guillarme, D., Carrupt, P.-A., Wolfender, J.-L., Highlights of Analytical Chemistry in Switzerland: Plant Metabolomics – Strategies for Biomarker Detection, Isolation, and Identification, 685  
Ruegg, U., see Althaus, F. R., 316  
Ruff, M., see Zenobi, R., 329
- Sakai, N., see Matile, S., 493  
Sakamoto, J., see Schlüter, A. D., 776  
Salzano, A. M., see Chatgililoglu, C., 721  
Saric, M., see Schurtenberger, P., 805  
Satapathy, D. K., see van der Veen, J. F., 789  
Scaloni, A., see Chatgililoglu, C., 721  
Schappler, J., see Rudaz, S., 210  
Scheffold, F., see Schurtenberger, P., 805  
Scheidegger, R., see Morf, L. S., 424  
Schlumpf, M., Kypke, K., Vökt, C., Birchler, M., Durrer, S., Faass, O., Ehnes, C., Fuetsch, M., Gaille, C., Henseler, M., Hofkamp, L., Maerkel, K., Reolon, S., Zenker, A., Timms, B., Tresguerres, J. A. F., Lichtensteiger, W., Endocrine Active UV Filters: Developmental Toxicity and Exposure Through Breast Milk, 345  
Schlumpf, M., Kypke, K., Vökt, C., Birchler, M., Durrer, S., Faass, O., Ehnes, C., Fuetsch, M., Gaille, C., Henseler, M., Hofkamp, L., Maerkel, K., Reolon, S., Zenker, A., Timms, B., Tresguerres, J. A. F., Lichtensteiger, W., Corridendum: CHIMIA 2008, 62, 345–351, 688  
Schlüter, A. D., Zhang, A., Sakamoto, J., Polymers Going Rigid, Thick, and Laterally Infinite, 776  
Schmid, P., see Gerecke, A. C., 352  
Schmid, P., see Naegeli, H., 410  
Schmid, P., see Heeb, N., 936  
Schmid, S., see Hauser, P. C., 860  
Schmitt, B., see van der Veen, J. F., 789  
Schnyder, A., see Hoge, G., 476  
Schönberg, H., see Grützmacher, H., 18  
Schrems, M. G., see Pfaltz, A., 506  
Schubert, S., see Burkhardt-Holm, P., 376  
Schulthess, A., Arz, C., Dobmann, A., Meincke, O., Schwotzer, W., Adhesives: Polymer Chemistry at Work, 826  
Schultz, D., see Nitschke, J., 198  
Schurtenberger, P., Dietsch, H., Malik, V., Reufer, M., Dagallier, C., Shalkevich, A., Saric, M., Gibaud, T., Cardinaux, F., Schef-fold, F., Stradner, A., Soft Nanotechnology – from Colloid Physics to Nanostructured Functional Materials, 805  
Schwarz, M. A., Vlcková, M., Microchip Isoelectric Focusing Applications, 244  
Schwarzenbach, R. P., see Bucheli, T. D., 364  
Schweizer, W. B., see Heeb, N., 936  
Schwotzer, W., see Schulthess, A., 826  
Seeberger, P. H., Kröck, L., Automated Synthesis of Oligosaccharides Provides Access to Chemical Tools and Vaccine Candidates, 8  
Seeger, S., A Smart Recipe of Chemistry and Management, 122  
Segner, H., Bernet, D., Liedtke, A., Bittner, D., Eggen, R. I. L., Kipfer, S., Küng, C., Largiader, C. R., Suter, M. J.-F., Wahli, T., Gonadal Malformations in Whitefish from Lake Thun: Defining the Case and Evaluating the Role of EDCs, 383  
Segner, H., see Burkhardt-Holm, P., 376  
Semeraro, M., see Credi, A., 204  
Senn, A., see Crausaz, M., 395  
Shahgaldian, P., see Pieles, U., 441  
Shalkevich, A., see Schurtenberger, P., 805  
Sharma, A., see Lacour, J., 42, 169, 300, 439, 529, 684, 750, 859, 935, 980  
Shimma, N., see Märki, H. P., 918  
Siafaka-Kapadai, A., see Ferreri, C., 713  
Siegel, J. S., Introduction: 175 Years of Chemistry at the University of Zurich: Tradition, Dedication and Vision, 68  
Siegel, J. S., Heimgartner, H., Institute of Organic Chemistry: 1983–2008, 114  
Siegel, J. S., Finney, N. S., In Memoriam: Albert Hofmann (1906–2008), 444  
Siegenthaler, H., see Papastavrou, G., 937  
Sieger, E., see Craig, G. W., 23

- Siegmann, K., see Hirayama, M., 815  
Sifferlen, T., see Boss, C., 974  
Sigel, R. K. O., see Berke, H. G., 111  
Sigel, R. K. O., Wild, F., Graduate School of Chemical and Molecular Sciences Zurich (CMSZH), 130  
Silvi, S., see Credi, A., 204  
Skrydstrup, T., see Croft, A. K., 735  
Smiesko, M., see Verdani, A., 322  
Sommerlade, R. H., see Grützmacher, H., 18  
Soto, A., see Althaus, F. R., 316  
Speier, G., see Goldstein, S., 704  
Spindler, F., see Hoge, G., 476  
Spingler, B., see Alberto, R., 277  
Spreafico, M., see Verdani, A., 322  
Stafast, H., Felder, P., Müller, R.-P., Roduner, E., Rosenkranz, H. J., Walther, T., Alumni Profiles, 157  
Stanek, K., see Kieltsch, I., 260  
Stark, W. J., Halim, S. C., Towards Magnetic Molecule and Reagent Separation in Organic Synthesis: Development and Use of Covalently Functionalized Nanomagnets, 13  
Stearns, J. A., Boyarkin, O. V., Rizzo, T. R., Effects of N-Terminus Substitution on the Structure and Spectroscopy of Gas-Phase Helices, 240  
Steiger, A., see Craig, G. W., 23  
Stein, D., see Grützmacher, H., 18  
Steinmann, B., Borkovec, M., Editorial: Polymers and Colloid Division, 772  
Stettler, E., see Crausaz, M., 395  
Stradner, A., see Schurtenberger, P., 805  
Streit, U., see Bochet, C. G., 962  
Studer, C., see Althaus, F. R., 316  
Suss-Fink, G., see Therrien, B., 514  
Suter, M. J.-F., see Burkhardt-Holm, P., 376  
Suter, M. J.-F., see Segner, H., 383  
Suter, M. J.-F., see Vermeirssen, E. L. M., 389  
Swiss Chemical Society, SCG-Jahresbericht 2007, 49  
Swiss Chemical Society Interview: Prof. Dr. Georg Fráter, 753  
Swiss Chemical Society, Protokoll der 18. Generalversammlung der SCG vom 11. September 2008 an der Universität Zürich, 863  
Swiss Chemical Society, Bericht zur Jahresrechnung und Bilanz 2007, 864  
Taverna, R., see Morf, L. S., 424  
Therrien, B., Süss-Fink, G., Inducing Helical Chirality by Deforming Hexanuclear Metalloprismatic Structures, 514  
Timms, B., see Schlumpf, M., 345  
Timms, B., see Schlumpf, M., 688  
Tiseni, P. S., see Peters, R., 497  
Togni, A., see Kieltsch, I., 260  
Torreggiani, A., see Chatgililoglu, C., 721  
Torricelli, F., see Lacour, J., 42, 169, 300, 439, 529, 684, 750, 859, 935, 980  
Touboul, D., Jecklin, M. C., Zenobi, R., Exploring Deprotonation Reactions on Peptides and Proteins at Atmospheric Pressure by Electro-Sonic Spray Ionization-Mass Spectrometry (ESSI-MS), 282  
Trachsel, M., Results of the Consensus Platforms: Positions and Recommendations Derived from Scientific Findings in a Joint Effort of Academics, Industry, and Authorities, 432  
Tresguerres, J. A. F., see Schlumpf, M., 345  
Ulrich, A., see Homazava, N., 530  
Ulrich, T., see Grützmacher, H., 18  
Valentini, M., see Craig, G. W., 23  
van der Veen, J. F., Bunk, O., Satapathy, D. K., Pfeiffer, F., Diaz, A., David, C., Nygård, K., Fuchsberger, E., Padeste, C., Willmott, P. R., Patterson, B. D., Schmitt, B., Concentration Profiles of Colloidal Fluids in One-dimensional Confinement, 789  
van der Veen, R. M., Chergui, M., Milne, C. J., Pham, V.-T., El Nahhas, A., Weinstein, J. A., Best, J., Borca, C. N., Bressler, C., EXAFS Structural Determination of the  $\text{Pt}_2(\text{P}_2\text{O}_5\text{H}_2)_4^{4-}$  Anion in Solution, 287  
Vargas, J., see Crausaz, M., 395  
Vedani, A., Spreafico, M., Peristera, O., Döbler, M., Smiesko, M., VirtualToxLab – in silico Prediction of the Endocrine-Disrupting Potential of Drugs and Chemicals, 322  
Vermeirssen, E. L. M., Eggen, R. I. L., Escher, B. I., Suter, M. J.-F., Estrogens in Swiss Rivers and Effluents – Sampling Matters, 389  
Vettiger, T., see Craig, G. W., 23  
Veuthey, J.-L., see Rudaz, S., 210  
Vlcková, M., see Schwarz, M. A., 244  
Vogel, P., see Gerber-Lemaire, S., 217  
Vogel, P., Total Asymmetric Synthesis of Glycomimetics and Polypropionates of Biological Interest, 519  
Vogel, V., see Konradi, R., 264  
Vogelgsang, S., see Bucheli, T. D., 364  
Vökt, C., see Schlumpf, M., 345  
Vökt, C., see Schlumpf, M., 688  
Vonmont, H., see Heeb, N., 936  
Vuagnoux-d'Augustin, M., see Alexakis, A., 461  
Wahli, T., see Segner, H., 383  
Wahli, W., Rotman, N., Haftek-Terreau, Z., Lücke, S., Feige, J., Gelman, L., Desvergne, B., PPAR Disruption: Cellular Mechanisms and Physiological Consequences, 340  
Walther, T., Felder, P., Müller, R.-P., Roduner, E., Rosenkranz, H. J., Stafast, H., Alumni Profiles, 157  
Walti, M., see Craig, G. W., 23  
Wang, A., see Pfaltz, A., 506  
Ward, T. R., Mao, J., Artificial Metalloenzymes for Enantioselective Catalysis Based on the Biotin-Avidin Technology, 956  
Wardman, P., see Goldstein, S., 704  
Wegner, H., Zumbuehl, A., Conference Report: The 43rd EUCHEM Conference on Stereochemistry (Bürgenstock Conference 2008) Fürigen, April 12–18, 2008, 525  
Wehrmüller, K., Collomb, M., Highlights of Analytical Chemistry in Switzerland: Impact of the Altitude of Pasture on Fatty Acid Composition of Milk, 43  
Weinstein, J. A., see van der Veen R. M., 287  
Weller, T., see Boss, C., 974  
Wenger, D., see Naegeli, H., 410  
Wennemers, H., „Je mehr ich über die Natur weiss, desto stärker fällt mir auf, wie wenig ich darüber weiss“, Interview mit Helma Wennemers, Universität Basel, 47  
Wettstein, F. E., see Bucheli, T. D., 364  
Widmer, H.-J., see Craig, G. W., 23  
Widmer, U. R., Professor Hans Schmid's Passion for Chemistry – Reminiscences of a PhD Student, 142  
Wild, F., Sigel, R. K. O., Graduate School of Chemical and Molecular Sciences Zurich (CMSZH), 130  
Willeke, M., see Quark, M., 235  
Willmott, P. R., see van der Veen, J. F., 789  
Wipf, P., Sixteen Semesters of Chemistry at the University of Zürich: A Retrospective on a Formative Time, 150  
Wirth, A., see Pieves, U., 441  
Wisard, M., see Crausaz, M., 395  
Woggan, W.-D., From Insects to Bioinspired Catalysis, 137  
Wolf, J.-P., see Grützmacher, H., 18  
Wolfender, J.-L., see Rudaz, S., 685  
Wörle, M., Berger, O., Bonnard Yersin, P., Bonnard Yersin, J.-M., Hartmann, C., Hildbrand, E., Hubert, V., Hunger, K., Ramstein, M., Applications of Micro-Raman Spectroscopy in Cultural Heritage – Examples from the Laboratory of Conservation Research of the Collections Centre of the Swiss National Museums, 882  
Wortmann, A., see Zenobi, R., 329  
Wuelfert, S., Editorial: Conservation of Cultural Heritage, 876  
Xin, Z., see Peters, R., 497  
Zajac, M., see Peters, R., 497  
Zeghida, W., see Lacour, J., 935, 980  
Zeller, M., see Craig, G. W., 23  
Zenker, A., see Schlumpf, M., 345  
Zenker, A., see Schlumpf, M., 688  
Zennegg, M., see Gerecke, A. C., 352  
Zennegg, M., see Heeb, N., 936  
Zenobi, R., see Touboul, D., 282  
Zenobi, R., Bovet, C., Ruff, M., Wortmann, A., Eiler, S., Granger, F., Gerrits, B., Moras, D., Identification of Endocrine-Disrupting Compounds Using Nano-electrospray Ionization Mass Spectrometry, 329  
Zhang, A., see Schlüter, A. D., 776  
Zhao, J., see Fermin, D., 841  
Zumbuehl, A., Wegner, H., Conference Report: The 43rd EUCHEM Conference on Stereochemistry (Bürgenstock Conference 2008) Fürigen, April 12–18, 2008, 525

## Contributors of the Fall Meeting, Swiss Chemical Society (see Abstracts, Issue 7/8)

## Author Index

SCS Fall Meeting

Name	Abstract No.				
Abou Hadeed, K.	293, 349	Bauerecker, S.	390, 430	Buciumas, A.-M.	378
Abou-Hamdan, A.	89, 161	Beck, R. D.	388	Bünzli, J.-C.	220
Adamczyk, K.	419	Beitler, E.	403	Bur, D.	87
Adibekian, A.	358	Belin, G. K.	43, 47	Burazerovic, S.	284
Aebischer, A.	220	Bello, C.	90	Bures, F.	304
Affolter, M.	32	Belser, P.	214	Bürgi, L.	301
Agosti, A.	276	Ben Hamidane, H.	18, 20	Bürgi, T.	169
Ahles, S.	253	Benamansour, H.	461	Burkard, I.	63
Ahmed, S.	133	Berclaz, T.	443	Busnel, J.-M.	31
Albert, S.	390, 396, 398, 410, 430	Berger, I.	193	Butterfield, A. M.	285
Alberto, R.	160, 170, 229, 235, 246, 249	Berke, H.	181	Butti, P.	172
Albrecht, M.	159, 186, 194, 216, 227	Bernà, J.	250		
Alder, A. C.	19	Bernardinelli, G.	184, 185, 191, 339, 356	Cabral, A. C. S.	182
Alexakis, A.	313, 317, 321, 340, 341, 344	Bertrand, D.	105	Calame, M.	264
Allan, M.	383, 405, 413, 431	Bertrand, S.	105	Calle, C.	382
Allegrand, J.	20	Bessho, T.	195	Calzaferri, G.	178
Allmendinger, P.	6	Beves, J. E.	165, 183	Camara, M.	86
Alonso Gomez, J.	316	Bhosale, R.	274, 345	Camponovo, F.	173
Altmann, K.-H.	76, 107, 101, 256	Bich, C.	17, 25	Canard, G.	236
Alzeer, J.	269	Bienenwald, F.	301	Cannizzo, C.	198, 220
Amantonico, A.	21	Bigler, P.	117	Capone, S.	286
Ametamey, S.	82, 147	Bilecka, I.	166	Castagner, B.	282, 325
Ammann, A. A.	22	Billeter, J.	26	Castro, F. A.	461
Anderson, D. G.	270	Bin, F.	461	Caviezel, M.	410
Andres, J.	290	Bindschädler, P.	255, 282, 325	Champion, J.	430
Andrews, L.	126	Birbaum, K.	27	Charbonnet, N.	287
Andrist, M.	452	Bischof, B.	268	Chauve, B.	28
Antoni, P. M.	162	Bisson, R.	388	Chen, H.	29, 30, 35, 74
Arias, K. I.	277	Biswas, R.	91	Chen, P.	156, 392, 476
Àrvai, R.	283	Bitsch, V.	108	Chennampampil, V.	65
Auberson, Y. P.	79	Blacque, O.	168	Chiesi, M.	82
Auer, E.	356	Blom, J. F.	343	Chimamkam, E. F. C.	224
Austeri, M.	278	Blum, C.	135, 376	Chingim, K.	29, 30, 35, 74
Auzias, M.	163	Blum, L. C.	92	Chow, H. S.	174
Avatroni, F.	134	Blüthgen, N.	226	Christ, A.	78
Avarvari, N.	397	Bochet, C. G.	287, 291	Chwalisz, P.	174
Avois, L.	23, 37	Bodizs, G. E.	167	Condemi, E.	18
Axthelm, F.	479	Böhme, D.	203	Conrad, F.	175
		Böhlinger, S.	173	Constable, E. C.	155, 165, 174, 183, 190, 192, 195, 208, 211, 228
		Boissarie, L.	283	Corda, M.	473
		Bolliger, J. L.	168	Corminboeuf, C.	134, 140
Bach, A.	392	Bonazzi, S.	257	Cortés-Salazar, F.	31
Bachorz, R.	433	Bonmarin, M.	408	Cowan-Jacob, S. W.	88
Badine, M. D.	312	Bonvin, G.	38	Cramer, N.	288, 353
Badoiu, A.	279	Borkovec, M.	456, 464, 475	Creus, M.	119, 234
Badoud, F.	23, 37, 38	Bornhauser, P.	393	Cristiani, A.	93
Baiker, A.	145, 202, 207, 323, 381, 407, 411, 414, 424, 429, 439, 448, 449	Borroni, E.	95	Crochet, A.	176
		Bossi, D. F.	251	Crowley, J. D.	250
Baisch, G.	457	Boubeva, R.	93	Crusz, S.	86
Balasubramanian, V.	164, 479	Boudon, C.	322	Cuervo Reyes, E.	177
Baldrige, K. K.	136, 266, 285, 305, 347, 454	Boudon, J.	169	Curcio, R.	9
Banala, S.	280	Boudon, V.	430	Cutting, B.	77
Banerji, N.	274, 345, 415, 419	Bourgogne, E.	66	Czekaj, I.	122, 137
Banner, D. W.	109	Bovet, C.	25		
Barandun, L.	87	Bowen, A.	136	Dang, T. T.	388
Barbaras, D.	281	Boyarkin, O. V.	389	Danilina, N.	289
Barbeau, K.	22	Boz, S.	299	Darbre, T.	86, 91, 97, 113, 302, 334, 364
Barone, G.	142	Braband, H.	170, 246	Dard, M.	84
		Brauer, J. C.	401	Daul, C.	144, 146, 148
		Bregy, H.	402	De Simone, F.	290
		Briard, E.	79	De França, K.	481
		Brueggen, J.	88	Débieux, J.-L.	291
		Brühwiler, D.	178, 232	Decurtins, S.	135, 199, 200, 376, 404
		Brunetto, P. S.	171		
		Bruschi, M.	141	Deniau, G.	292
		Büchler, B.	423	Desarbre, E.	108
				Deschenaux, R.	169, 467
				Devaux, A.	178
				Diederich, F.	87, 95, 98, 109, 299, 296, 304, 316, 322, 324, 346, 382
				Diederich, V.	468
				Dietiker, R.	24
				Dieu, L.-Q.	178
				Diez, J.	114
				Diggie, S.	86
				Diniz, F. B.	481
				Dino, M.	25
				Djerdj, I.	166
				Dockheer, S.	179
				Domazou, A. S.	179, 180
				Dong, H.	181
				Donnio, B.	200, 467
				Dorta, R.	254, 307, 330, 366
				Dos Santos Cabral, A.	182
				Douche, T.	32
				Dreyer, J.	419
				Drinkel, E.	307
				Dubbaka, S. R.	368
				Dube, H.	382
				Ducommun, R.	34
				Dumas, A.	271
				Dunphy, E. L.	165, 183
				Dupont, N.	403
				Düpre, N.	225
				Dutta, B.	152
				Duttwyler, S.	266, 347
				Dyson, P. J.	193, 212, 231
				Ebner, S.	158
				Egloff, D.	293
				Egorova, T.	24
				Ehrl, L.	465, 466
				El Aroussi, B.	184
				El Mahrab Robert, M.	94
				Elbing, M.	369
				Ellermann, M.	95
				Elser, P.	166
				Emery, C.	4
				Emmenegger, L.	10, 33
				Enache, M.	299
				Erat, M. C.	209
				Erdmann, R. S.	294
				Ernst, B.	61, 77, 83, 104
				Ernst, K.-H.	425
				Escalante-Semerena, J. C.	235
				Esposito, D.	282, 325
				Exner, C. J.	297
				Eymann, M.	54
				Eyssler, A.	404
				Favre, M.-F.	34
				Favre, S.	295
				Fedor, J.	405, 431
				Felix, A.	96, 121
				Fellay, C.	212
				Fendt, L. A.	296
				Feringa, B. L.	1
				Fernandez Gonzalez, D.	298
				Fernandez, D.	298
				Ferrari, S.	235

Ferri, D.	404, 417, 429	Geyer, K.	310	Hanif, M.	193	Ishikawa T.	470
Fesser, P.	299	Ghattas, W.	187	Hänni, K. D.	250	Jaccard, H.	198
Figgemeier, E.	211	Giani, S.	138	Hanss, D.	154	Jaggi, M.	199
Filinchuk, Y.	191	Gieshoff, J.	417	Hany, R.	461	Jain, R.	45
Fink, T.	92	Giger, W.	19	Harmer, J.	158	Jakob-Roetne, R.	95
Finney, N. S.	265	Gilomen, B.	285	Harris, K.	192	Jakupec, M. A.	193
Fischer, F.	34	Girault, H. H.	15, 31, 50, 386, 409, 445	Hartinger, C. G.	193	Jan-Dierk, G.	407
Fischer, H.	96, 121	Giroult, A.	342	Hartwig, J. F.	261	Jana, D. F.	140
Fleischer, I.	300	Gisler, M. A.	311	Hattendorf, B.	11, 24	Janssen, R.	301
Floersheimer, A.	88	Gisselbrecht, J.-P.	322	Hauenstein, K.	107	Jaroszewski, J. J.	46
Flores, J.-C.	301	Giuffredi, G.	319	Hauser, A.	403	Jäschke, A.	371
Fluxa, V. S.	302	Glatzel, P.	384	Hauser, P. C.	41, 42, 43, 44	Jaun, B.	158
Fontaine, G. H.	11	Glatzel, T.	296	Hawner, C.	313	Jeannerat, D.	14, 60
Fontana, M.	457	Glauser, G.	36, 40	Hecht, M.-L.	255	Jecklin, M. C.	45
Fontanella, M.	99	Goddard, W.	123	Heckel, A.	3	Jenny, T. A.	251, 273, 303
Fragnière, N.	303	Goedecke, N.	21	Heckenroth, M.	194	Jensen, M. R.	88
Frank, B.	304	Goenrich, M.	158	Heier, J.	461	Jensen, T. B.	200
Frantz, D. K.	305	Goldup, S. M.	250	Heiroth, S.	67	Jeschke, G.	382
Franz, N.	462	Gomes, J.	332	Helbing, J.	402, 408	Jgo, O.	123
Frauenrath, H.	308, 315	Gong, X. Y.	41, 44	Helm, L.	167, 198, 220	Jia, H.-P.	201
Frech, C. M.	168	Gonzalez, M. T.	264	Hemmi, S.	65	Jia, Y.-X.	377
Frei, G.	376	Gorgie, M.	187	Hengerer, B.	82	Jia, Z.	465
Freichel, C.	81	Gorshkov, M. V.	20	Hennig, A.	314	Jiang, D. M.	202
Frein, S.	169, 467	Goze, C.	403	Hermans, I.	380	Jiang, M.	475
Freisinger, E.	182, 226	Graetzel, M.	195	Hernandez Redondo, A.	195	Jiang, X.	83
Freund, E.	349	Gras, M.	188	Herrmann, A.	275	Jiménez-Barbero, J.	99
Frey, H.-M.	418, 422, 432	Grass, S.	356	Hertel, C.	81	Jing, C.	217
Frey, J. A.	432	Grässlin, A.	329	Herzog, W.	196	Johannsen, S.	203, 225
Freys, J. C.	185	Grata, E.	23, 36, 37, 40	Hijazi, A.	196	Johansson, E. M.	86
Frey, U.	8	Greber, U.	65	Hinderberger, D.	158	Johnsson, K.	280
Fritz, G.	114	Green, L. G.	78	Hintermann, S.	82	Jordi, M.	106
Fromm, K. M.	151, 171, 176, 217	Grezelakowski, M.	479	Hitomi, Y.	187	Jouaiti, A.	443
Fuhrer, A.	106	Grilj, J.	395	Hofer, B.	108	Jozwiak, W. K.	444
Furet, P.	88	Groessl, M.	193	Hofmann, T.	76	Juillerat-Jeanneret, L.	163, 193, 484
Furlan, M.	468	Groselj, U.	312	Hofstetter, D.	197	Julius, G.	238
Fürstenberg, A.	415	Gross, M.	322	Hogan, S. D.	452	Jung, T.	299
Gademann, K.	257, 258, 281, 343, 370, 374	Grosshans, P.	406	Hoheisel, T.	315	Jüttner, F.	343
Gagliardi, L.	126	Gruber, S.	153, 189	Hojejj, M.	409, 445	Jutz, F.	207, 414
Gambacorti-Passerini, C.	133	Grütter, M.	120	Hollenstein, U.	434, 450	Kadam, R. U.	97
Gamez, G.	30, 35, 58, 69, 74	Gruetter, M.	391	Honer, M.	82	Kalia, Y. N.	94
Gandolfi, C.	186	Grunder, S.	264	Hopfgartner, G.	8, 66	Kamena, F.	353
Ganic, A.	306	Grunwaldt, J.-D.	323, 407, 414	Horka, V.	410	Kaminski, J. W.	124
Gao, G.	77	Gschwind, F.	151	Horlacher, T.	255, 325	Kammer, A.	10
Garcia Lastra, J. M.	124	Guba, W.	78	Hörtner, S. R.	98	Kandhasamy, S.	332
Garcia, A.	454	Gubler, L.	179	Hostettmann, K.	46, 112	Kansy, M.	96, 98, 121
Garnier, G.	194	Guégano, X.	135	Housecroft, C. E.	155, 165, 174, 183, 211, 190, 192, 195, 208, 228	Kapat, A.	319
Garmier, G.	106	Guglielmi, M.	130	Howes, K.	316	Kartusch, C.	204
Garo, F.	106	Guidi, M.	389	Hoxha, F.	411	Karuna, R.	12
Garrett-Roe, S.	394	Guidon, M.	139	Hoyer, D.	286	Kasumaj, B.	382
Gartmann, N.	232	Guillarme, D.	28, 36, 38, 39, 40, 56	Hu, B.	29	Kasumaj, F.	320
Gasparini, G.	14	Guillemin, M.	59	Huang, H.	74	Kavran Belin, G.	47
Gasser, M.	326, 392	Guillon, D.	200, 467	Huang, J.	412	Kehrli, S.	321
Gasser, R.	85	Günther, D.	8, 11, 24, 27, 48, 64, 67	Huber, J. R.	446	Kel, O.	274, 345, 415
Gassin-Martin, G.	399	Guo, Z.	470	Huber, R.	264	Keller, N.	120
Gatti, M.	254, 307, 330	Gupta, D.	205	Hug, P.	403	Kelm, S.	77
Gatti, S.	81	Güttinger, S.	257	Hungerbühler, K.	26	Keppler Albert, K.	390, 396
Gauer, C.	469, 471	Häusler, M.	190	Hussain, F.	224	Keppler, B. K.	193
Gebald, C.	221	Haider, P.	407	Hutter, J.	125, 132, 138, 139	Kieltsch, I.	286
Gebers, J.	308	Hamacek, J.	184, 191, 247	Huwyler, J.	81	Kiewisch, K.	128
Gebicki, J. M.	180	Hamburger, M.	52, 53, 70, 71, 96, 121	Iannuzzi, M.	138	Kimmerle, B.	407
Geib, N.	309	Hamm, P.	229, 394	Ibanescu, B. C.	383, 413, 431	Kirchner, B.	129
Geiger, T.	461	Häner, R.	106, 336, 372, 373	Infante, I.	126	Kirner, H.-J.	301
Geoffroy, M.	397, 406, 443			Ioset, K. N.	46, 112	Kissel, P.	483
Gerber-Lemaire, S.	295					Kissner, R.	205, 206, 241, 360, 470
Gerecke, A. C.	19						
Gertsch, J.	107						



Kivala, M.	322	Leiggener, C.	403	Marston, A.	112	Müri, M. A.	338
Kita-Tokarczyk, K.	460	Leigh, D. A.	250	Martic, M.	147	Mutter, M.	18
Klebe, G.	98	Lemoult, S.	84	Martin, R. E.	78	Nagel, M.	461
Kleimenov, E.	416	Lenoble, J.	467	Martinez-Diaz, V.	178	Naggar Toole, E.	45
Kleist, W.	207	Leong, G. J.	49	Martins Jr., R.	481	Nakagawa, T.	81
Klok, H.-A.	462	Leumann, C. J.	311, 375	Marxer, K.	214	Narcis, A.	406
Klopper, W.	433	Leutwyler, S.	135, 418, 422, 432, 433	Mastalerz, R.	142	Nausser, T.	197, 241, 360
Knecht, S.	61	Levrard, B.	275	Mathis, D.	476	Nazarov, A. A.	193
Koch, J.	64, 67	Li, F.	445	Matile, S.	274, 314, 345, 415	Nazeeruddin, M. K.	195
Kocik, M. K.	208	Li, J.-Q.	29	Matni, A.	397	Ndiaye, B.	443
Kohler, P. C.	98	Li, Q.	13	Mattsson, J.	215	Neels, A.	159, 194, 216, 227, 376
Kolano, Ch.	229	Li, X.	385	Mätzener, A.	336	Nehring, R.	477
Kolczewski, S.	85	Lienemann, P.	404	Maurer, H. H.	7	Neier, R.	362, 378
Kolympadi, M.	99	Limacher, P. A.	141	Mauth, C.	84	Nesatyy, V. J.	16
Kopola, H.	301	Limbach, M.	292	Maxim, C.	397	Nesper, R.	177, 239, 245
Kopp, S.	256	Lin, S.-K.	420	May, O.	405, 431	Nestler, H.	16
Koppenol, W. H.	179, 180, 197, 205, 206, 241, 360	Linden, A.	254, 266, 267, 277, 285, 307, 330, 347	Mayer, C. R.	198	Nettekoven, M.	81
Korsak, O.	417	Linder, D.	278	Mayor, M.	263, 264, 338, 348, 369	Neuberger, M.	228, 351
Korth, M. M. T.	209	Lindh, R.	142	Maywald, M.	306	Neuburger, M.	155, 165, 192, 195, 369
Kovacs, L.	323	Lion, N.	15	Meier, D. M.	424, 448	Neugebauer, J.	128, 143
Kovacs, R.	48	Lippert, T.	67	Meier, W.	477, 479, 481	Neuhold, Y.-M.	26
Kramer, G. J.	123	Lista, M.	274, 345	Meloni, G.	103	Neumann, E.	350
Krasniqi, E.	218	Liu, J.	421	Méndez, M. A.	15, 50	Nguyen, D.	56
Kraszewska, A.	324	Liu, S.-X.	135, 199, 201, 376, 403	Mercier, A.	337	Nguyen, K. T.	92, 105
Kratochwil, N.	78, 85	Liu, W.	351	Mercs, L.	216	Nia, R. P.	445
Kröcher, O.	122	Liu, Y.	160	Merkt, F.	391, 416, 421, 428, 434, 438, 440, 441, 450, 452	Nibbering, E. T. J.	419
Kröck, L.	282, 325	Lobsiger, S.	418, 422	Merz, L.	425	Nicoli, R.	9, 56
Krueger, A.	159	Lopez-Duarte, I.	178	Merz, P.	107	Niederberger, M.	166, 213, 222
Krüger, A.	238	Loren, J. C.	277	Mesch, S.	83, 104	Niederer, H.-M.	430
Krumeich, F.	210, 245, 323, 407, 439	Lorenz, U. J.	389	Mesitschek, D.	5	Nikulshina-von Zedtwitz, V.	221
Krylov, V.	442	Lörtscher, B.	329	Mestan, J.	88	Novikov, R.	339
Kumaran, S.	100	Losada, R.	472	Meuwly, M.	80, 110, 111, 131, 244, 387, 412, 427	Nüesch, F.	461
Kümin, M.	318	Lotito, G.	64	Meyer, E.	296	Nussbaumer, A. L.	106
Kummli, D. S.	422, 418	Loviat, F.	137	Meyer, O.	309	Nyakas, A.	54
Kündig, E. P.	279, 283, 328, 337, 361, 377	Luan, X.	254, 307, 330	Meyer, S.	87	Nyberg, N. T.	46
Kushnarenko, A.	442	Luedtke, N. W.	269, 271	Meyer, V. R.	51	Nyfelner, E.	319
Kussmann, M.	32	Luethi, E.	331	Meyer-Klaucke, W.	226	Oberli, M. A.	255
Kuster, L.	418	Lukin, O.	473	Mezzetti, A.	223, 230, 237	Obrecht, D.	354
Kuster, S.	461	Lüthi, H. P.	356	Michon, C.	356	Oливо, C.	471
Kutay, U.	257	Lüthy, M.	332	Mikhel, I. S.	223	Olliges, I.	222
Kuznetsov, M. L.	193	Lutz, S.	131	Miller, J. T.	447	Onaca, O.	479
Kuzniewski, C. N.	101	Maag, R.	333	Miloglyadov, E.	426, 442	Öhrlein, R.	457
Kylberg, W.	195, 211	Maciejewski, M.	207	Mirolo, L.	217	Ossenbach, A.	478
Lack, G.	102	Mädler, S.	17	Mirtschin, S.	218	Osswald, T.	223
Laclef, S.	259	Maeda, N.	381	Mishra, S.	427	Ottiger, P.	432, 433
Lacour, J.	278, 339, 356, 363	Mafua, R.	251	Mohammed, O. F.	419	Page, M.	108
Laino, T.	125	Mahou, R.	474	Mohn, J.	10, 33	Palais, L.	340
Lamarque, C.	326	Maier, S.	296	Mohn, T.	52, 53	Palivan, C. G.	164, 477, 479
Lambiilotte, B.	452	Maillard, L. T.	354	Mohr, P.	81	Papadopoulos, G.	389
Lang, B.	419	Maillard, N.	334	Molenberg, A.	84	Papastavrou, G.	456, 480
Langenegger, D.	286	Maitro, G.	361	Mollet, S.	428, 441	Parschau, M.	425
Langer, R.	270	Maity, S.	274, 345	Mondelli, C.	429	Partovi Nia, R.	386
Langlois, J.-B.	317	Malashikhin, S.	265	Morbideilli, M.	465, 466, 468, 469, 471	Patzke, G. R.	175, 210, 224, 248
Lapointe, G.	327	Malinovskii, V. L.	336, 372, 373	Moreno, A.	219	Paulini, R.	95
Lattuada, M.	465, 468, 469, 471	Mallat, T.	202, 323, 411, 439	Moreno-Flores S.	477	Paulo, M.	112
Lauciello, L.	102	Manca, C.	423	Moret, M.-E.	156	Paulus, S.	225
Laurenczy, G.	212	Manley, P. W.	88	Moretti, L.	93	Peluso-Iltis, C.	25
Lavy, S.	328	Männel-Croisé, C.	157	Morgan, G. G.	186	Pereira, C.	55
Law, W. S.	43	Mantrand, N.	335	Moriggi, L. U.	198, 220	Pérez-Luna, A.	328
Lawrence, A. K.	258	Mares, J.	100, 120	Moser, J.-E.	379, 401	Pernot, L.	147
Le, W.	82	Mariz, R.	254, 307, 330	Moumne, R.	329	Peroza, E. A.	226
Lee, A.-L.	250	Markovic, D.	261	Müller, C.	108	Perozzo, R.	93, 102
Lehn, J.-M.	275	Maroni, P.	388, 475	Müller, J.	203, 225	Perrenoud, L.	23, 37
						Perron, Q.	341

Peterle, T.	263	Riaplov, E.	13	Schappler, J.	38, 56	Sidorenkova, H.	406, 443
Pfaffen, C.	433	Richalet, F.	108	Schär, M.	299	Sieben, A.	410
Pfaltz, A.	300, 306, 350, 351	Richter, H.	81	Schärer, K.	109	Siegel, J. S.	266, 267, 268, 277, 285, 305, 320, 333, 347, 425
Pfeiffer, B. C.	107	Rickerby, J.	361	Scharf, T.	169	Sigel, R. K.O.	203, 209, 225
Pfeiffer, O.	296	Riediker, M.	59	Schauer, S.	65	Sigrist, M. W.	33
Pfeiffer, R.	301	Riemer, C.	85	Schelling, C.	39	Sigrist, R.	285
Pierson, D. P.	81	Riguet, E.	287	Schenk, C.	234	Simaan, J.	187
Piguet, C.	200, 236	Rijkers, D. T. S.	346	Schenk, S.	129	Simoës-Pires, C. A.	112
Pimenova, T.	55	Riobé, F.	406	Scherer, G. G.	179	Simon, L.	26
Pissot, C.	88	Ritschel, T.	98	Schibli, R.	240	Singh, J.	384
Piticco, L.	416, 434	Ritter, H.	232	Schiffmann, F.	132, 139	Smiesko, M.	61
Plancher, J.-M.	81	Rizzo, T. R.	389	Schlaad, H.	463	Sobota, R. M.	444
Plattner, N.	387	Robinson, J. A.	293, 309, 329, 349, 354	Schlüter, A. D.	458, 473, 478, 482, 483	Sondenecker, A.	357
Plitzko, I.	52, 53, 70, 71	Rochat, R.	172	Schmartz, P.	349	Soos, M.	465, 466
Podvinec, M.	80	Rochat, S.	233	Schmid, A.	18, 32	Sour, A.	220
Polet, D.	317	Roche, O.	81, 85	Schmid, F. F.	110	Springer, B.	160, 162, 249
Poormand, S.	352	Rochel, N.	25	Schmid, M.	244	Spreafico, M.	104
Popa, I.	456	Rodrigues de Franca, K. W.	481	Schmid, T.	57, 62, 68, 72	Sreenivasachary, N.	275
Pormsila, W.	41, 43	Rodriguez Sarmiento, R. M.	81	Schmidt, E.	439	Stadler, J.	62
Portmann, C.	343	Roesel, P.	155	Schmidt, T.	111	Stalder, E.	239
Potterat, O.	70	Rogano, F.	252	Schmitt, F.	163, 193, 484	Stallforth, P.	358
Poulain, A.	227	Rohrbasser, C.	28	Schmitt, M.	81	Stander-Grobler, E.	238
Pouliot, M.	262	Rolland, D.	473	Schmitz, T. A.	58	Stanek, K.	359
Pozdnoukhov, A.	73	Romanato, P.	266, 347	Schmutz, H.	421, 452	Stanton, J. F.	422
Pregosin, P. S.	149, 153, 189, 219	Roos, B.	126	Schmutz, P.	160	Stearns, J. A.	389
Prentner, R.	435	Rossel, T.	234	Schneider, A.	400, 423	Steiner, C.	63
Price, J. R.	228	Rossi, M. J.	59	Schönenberger, C.	264	Steinfeld, A.	221
Prins, L. J.	14	Rossier, J. S.	15	Schönenberger, R.	16	Steinmann, D.	360
Prins, R.	385	Rosso, E.	133	Schotes, C.	237	Stengl, B.	98
Probst, B.	229	Roth, P.	269	Schrems, M. G.	350, 351	Steuber, J.	114
Prudent, M.	15, 50, 445	Roth, S.	28	Schuchert-Shi, A.	41, 42	Steward, L.	85
Punzi, A.	399	Röthlisberger, U.	130	Schulenburg, A. M.	440	Stoffel, A.	240
Puxty, G.	26	Rotzler, J.	348	Schuler, F.	81	Stohner, J.	396, 435
Quack, M.	390, 396, 398, 400, 410, 423, 426, 430, 435, 442	Rouholahnejad, F.	476	Schumacher, A.	351	Stoll, S.	382
Quintard, A.	344	Roussel, C.	15	Schürch, S.	54	Storti, G.	471
Raab, S.	81	Rudaz, S.	9, 23, 36, 37, 38, 39, 40, 56	Schurtenberger, P.	455	Strasser, D.	77
Rabe, M.	436, 451	Rüedi, P.	252, 272	Schuster, O.	238	Streichan, R.	21
Radaelli, S.	133	Rüegger, H.	424, 448	Schütz, C. A.	484	Struthers, H.	240
Radi, P. P.	393	Ruetz, S.	106	Schwalm, T.	459	Studer, A.	262
Rahanyan, N.	267	Ruiz-Sanchez, P.	235	Schwardt, O.	77, 83, 104	Sturzbecher, M.	241
Ramm, J. H.	232	Ryan, P. E.	236	Schwede, T.	80, 111	Su, B.	50, 386, 409, 445
Ran, Y.-F.	376	Saal, A.	144	Schweizer, B. W.	312	Sun, H.	19
Ranevski, R.	84	Saber Tehrani, M.	352	Scialpi, R.	326	Sun, Y.	385
Ranocchiari, M.	230, 237	Sacchi, M.	388	Scopelliti, R.	218	Süss-Fink, G.	163, 169, 188
Rathgeb, X.	317	Sadeghpour Dilmaghani, A.	464	Seaiby, C.	389	Suter, H. U.	446
Ratni, H.	283	Sadow, A. D.	172	Sebastian, B.	276	Suter, M.	391
Raubenheimer, H. G.	238	Safonova, O.	384	Sedaghat, S.	352	Suter, M. J.-F.	16
Raunhardt, M.	438	Sakai, N.	274, 345, 415	Sedlacek, N.	53	Suyama, K.	115
Ravikumar, V.	274, 345	Sakamoto, J.	458, 482, 483	Seebach, D.	286, 292	Swiderska, M. A.	113
Ravuri, K.	274, 345, 415	Sakurai, S.-I.	274, 345	Seeberger, P. H.	255, 282, 310, 312, 325, 358	Syed, S.	105
Régler, M.	187	Salonen, L.	109	Seeger, S.	13, 47, 436, 451, 453	Takahashi, T.	81
Rehahn, M.	459	Sandberg, H.	301	Seiler, C.	428, 441	Tallarico, J.	45
Reiher, M.	128, 129, 142	Sangvikar, Y. S.	482	Seiler, P.	322	Tao, M.	114
Reinhard, K.	470	Santarossa, G.	145	Seiser, T.	288, 353	Tarik, M.	64
Renaud, P.	262, 276, 319, 326, 327, 332, 335, 342	Sardo, A.	119, 234	Seitz, M.	354	Taura, T.	115
Renfrew, A. K.	231	Satav, S. U.	437	Sellner, H.	292	Tavernelli, I.	130
Rentsch, K. M.	12, 63	Saugy, M.	23, 37	Senn, F.	146, 148	Taylor, S.	81
Rentsch, S.	480	Sauvain, J.	59	Setyan, A.	59	Terazzi, E.	200
Reutenauer, P.	316	Scapozza, L.	93, 94, 102, 133, 147, 240	Severin, K.	73, 152, 218, 233, 243	Teuscher, J.	379
Revell	260	Schaer, D.	55	Seyfang, G.	400, 410, 426, 442	Tew, M. W.	447
Reymond, J.-L.	86, 91, 92, 97, 105, 113, 116, 302, 331, 334, 364	Schäfer, M.	438	Seyfried	355	Thamapipol, S.	361
		Schaffner, S.	155, 165, 192, 195, 228	Sharma, A.	356	Thauer, R. K.	158
				Shelke, S.	77	Therrien, B.	163, 188, 215, 242
				Shitov, S.	20	Thévenet, D.	362
				Shivapurkar, R.	60	Thommes, K.	243

Thorsmolle, V. K.	401	Vasilatou, K.	450	Wan, Q. J.	43	Yaghi, O.	150
Thorsteinsdottir, H. B.	80	Vauthey, E.	274, 345, 395, 399, 415, 419	Wandrey, C.	472, 474, 484	Yang, H.	20
Tintelnot-Blomley, M.	82	Vebert-Nardin, C.	481	Wang, R.	68	Yang, L.	159
Togni, A.	172, 173, 286, 357, 359, 365	Vedani, A.	104	Ward, T. R.	119, 234, 284	Yang, X.	70, 71
Tondo, P.	273	Velayutham, R.	274, 415	Waser, J.	290, 298	Yaren, Ö.	375
Tooyama, Y.	170, 246	Venturi, C.	99	Weber, V.	127	Yeo, B.-S.	49, 57, 62, 72
Torres, T.	178	Verdes, D.	436, 451	Wegner, H. A.	253	Yeo, W.	337
Torricelli, F.	363	Vermathen, M.	117	Weidenkaff, A.	404, 417	Yi, C.	376
Touboul, D.	17, 45	Veuthey, J.-L.	9, 23, 28, 37, 38, 39, 40, 56	Weidmann, S.	69	Yixia, J.	377
Trinh, H. V.	65	Viciu, M.	365	Weidner, K.	342	Yoder, B.	388
Tromp, M.	384	Vieille-Petit, L.	366	Wenger, B.	379	Zampese, J.	155, 165
Tsybin, Y. O.	18, 20, 32	Vigouroux-Elie, F.	275	Wender, D.	372	Zaitsev, A. B.	153, 189
Tubert-Brohman, I.	244	Violetta, A.	274, 345	Wenger, O. S.	154, 185, 196	Zaitseva, I.	378
Turbiez, M.	301	Viton, F.	279	Wennemers, H.	260, 294, 318	Zaubitzer, F.	73
Turks, M.	259	Vitorge, B.	14, 60	Wenzel, R.	25	Zava, O.	193
Turrà, N.	424	Vogel, H.	18	Werder, S.	373	Zebret, S.	247
Tuzson, B.	10, 33	Vogel, P.	90, 99, 259, 295, 297, 367, 368	Werz, D. B.	255	Zeeman, M. J.	10
Uhlich, N. A.	364	Vogler, T.	262	Wesolowski, T. A.	124	Zelder, F.	157
Ullmer, C.	81	Volla, C. M. R.	367, 368	Westermaier, Y.	147	Zemp, I.	257
Ünlü, F.	400	von Eckardstein, A.	12, 63	Whitby, J.	64	Zenobi, R.	17, 21, 25, 29, 30, 35, 45, 49, 55, 57, 58, 62, 68, 69, 72, 74
Urakawa, A.	381, 411, 424, 448	von Krosigk, U.	82	Wichmann, J.	85	Zerbe, K.	309
Urwyler, S.	105	von Rohr, F.	245	Widler, L.	75	Zerbe, O.	100, 118, 120
Vaccaro, A.	464	Vonlanthen, D.	369	Widmer, D.	245	Zhang, A.	478
Vadas, O.	93	Vorobyev, A.	20	Wiederkehr, A. W.	452	Zhang, W.	72
Vallat, O.	378	Vuille, K.	248	Wiegand, R.	81	Zhang, Y.	248
van Bokhoven, J. A.	2, 204, 289, 384, 385, 447	Vummidi, B.	269	Wienk, M.	301	Zhu, H.	206
van Deursen, R.	92, 116	Wach, J.-Y.	370	Wiesecke, J.	459	Zhu, L.	30, 35, 58, 74
van Diermen, D.	46	Wächter, M.	272	Wiesner, M.	260	Zimbron, J.	119
van Duin, A.	123	Waechter, H.	33	Williams, P.	86	Zimmerli, L.	296
van Heijst, J.	473	Wagner, B.	98	Wohlschlagel, T.	119, 234	Zimmermann, J.	453
van Santen, R.	123	Wagner, M.	66	Woithe, K.	309	Zlatar, M.	146, 148
van Vegten, N.	411, 449	Wahl, F.	371	Wokaun, A.	137, 179	Zobi, F.	249
VandeVondele, J.	132, 139	Walde, P.	470	Wolfender, J.-L.	40	Zoppi, L.	454
Varesio, E.	66	Wälle, M.	67	Wolfgang, K.	407	Zumbuehl, A.	270
Vargas, A.	145	Walser, R.	118	Woltering, T.	85	Zürcher, G.	95
Vargas, S.	112	Walther, M.	154	Woods, T. M.	374	Zürcher, M.	87
Vasák, M.	103	Wambach, J.	137	Wörle, M.	239, 245	Zysman-Colman, E.	277
				Wörtz, T.	309		
				Wyss, P.	87		
				Wu, H.	465, 469		

# Subject Index

CHIMIA 62 (2008)

## Ab initio calculations

Ab Initio Study of Some Persistent Nitroxide Radicals, 256

## Ab initio computation of ROA

Raman Optical Activity: A Reliable Chiroptical Technique, 482

## Abnormal bonding

Palladium Complexes Comprising C(4)-bound Diimidazolylidene Carbenes, 253

## Absolute configuration

Highlights of Analytical Chemistry in Switzerland: Hexabromocyclododecanes: From Smart Molecules to Persistent Pollutants, 936

## Absolute configuration of a junionone precursor

Raman Optical Activity: A Reliable Chiroptical Technique, 482

## Acid hydrolysis

The Chemical Degradation of Leather, 899

## Acylphosphanes

A Simple Straightforward Synthesis of Phenylphosphane and the Photoinitiator Bis(mesityl)phenylphosphane Oxide (IR-GACURE 819), 18

## Adhesion improvement

Miniaturized Cold Atmospheric Plasma for the Conservation of Plastics in Modern and Contemporary Art, 877

## Adhesives

Adhesives: Polymer Chemistry at Work, 826

## Adipogenesis

PPAR Disruption: Cellular Mechanisms and Physiological Consequences, 340

## Agrochemicals

Lead-Discovery of bis-Aromatic Alkynes: A Novel Class of Herbicides, 23

## Alacranite

Current Research on Artificial Arsenic Sulphide Pigments in Artworks: A Short Review, 903

## Albumin binders

Swiss Science Concentrates, 529

## Aldol reaction

New Practical Synthesis of the Exceptional Musk Odorants (*R*)-Muscone and (*R,Z*)-5-Muscenone, 489

## Alkaloid

Tracing Chemical Genealogy Through the Archives of the Institute of Organic Chemistry at the University of Zurich, 126

## Alkoxyamines

Exfoliation of Sheet Silicates by Nitroxide Mediated Polymerization, 799

## Alkoxyphenols

*ipso*-Substitution – A Novel Pathway for Microbial Metabolism of Endocrine-Disrupting 4-Nonylphenols, 4-Alkoxyphenols, and Bisphenol A, 358

## Alkyne template

Lead-Discovery of bis-Aromatic Alkynes: A Novel Class of Herbicides, 23

## Aluminium

Formation of All-Carbon Quaternary Centers by Copper-Catalyzed Asymmetric Conjugate Addition, 461

## Amino alcohol

New Practical Synthesis of the Exceptional Musk Odorants (*R*)-Muscone and (*R,Z*)-5-Muscenone, 489

## Amphetamines

Dr. Max Lüthi Award 2007: Analysis of Amphetamine Derivatives in Plasma Using Capillary Zone Electrophoresis Coupled with Laser-Induced Fluorescence after Derivatization on Solid-Phase Extraction Support, 210

## Amphiphilic block copolymers

Biomimetic Block Copolymer Membranes, 820

## Analytical chemistry

FH – HES: 20 Years Life Technologies at the University of Applied Sciences Western Switzerland Valais, 686

## Anthroposphere

Dynamic Substance Flow Analysis as a Valuable Risk Evaluation Tool – A Case Study for Brominated Flame Retardants as an Example of Potential Endocrine Disrupters, 424

## Anti-adhesive

Coatings and Aerogels Based on Sol-Gel Processes, 815

## Anti-body based vascular tumor targeting

Conference Report: Drug Targeting: Mini-Symposium of the Division for Medicinal Chemistry (DMC) of the Swiss Chemical Society (SCS), at the Department of Chemistry, University of Basel, May 29, 2008, 918

## Anti-infective agents

The Non-Mevalonate Pathway to Isoprenoid Biosynthesis: A Potential Source of New Drug Targets, 226

## Antibiotics

Antimicrobial Coatings for Implant Surfaces, 249

## Antioxidants

Highlights of Analytical Chemistry in Switzerland: The Mechanism of Chlorophyll Degradation in Plants, 440

Biologically Relevant Small Radicals, 704

## Antisense oligonucleotides

Synthesis of Bicyclo-DNA Nucleosides with Additional Functionalization in the Carbocyclic Ring, 270

## Arabidopsis thaliana

Highlights of Analytical Chemistry in Switzerland: Plant Metabolomics – Strategies for Biomarker Detection, Isolation, and Identification, 685

## Arene ligands

Catalytic Activity of bis-Phosphine Ruthenium(II)-Arene Compounds, 217

## Arene photocycloaddition

Recent Developments in Arene Photocycloadditions, 962

## Art

Mobile Micro-X-ray Fluorescence Analysis (XRF) on Medieval Paintings, 887

## Artificial arsenic sulphide pigments

Current Research on Artificial Arsenic Sulphide Pigments in Artworks: A Short Review, 903

## Artificial metalloenzymes

Artificial Metalloenzymes for Enantioselective Catalysis Based on the Biotin-Avidin Technology, 956

## Associations

Polymer and Colloid Chemistry in Switzerland, 773

## Asymmetric catalysis

Catalytic Methods for Direct Access to Chiral High-Added-Value Products, 497

Recent Progress in Iridium-Catalyzed Enantioselective Hydrogenation: Tetrasubstituted Olefins and Polyenes, 506

Artificial Metalloenzymes for Enantioselective Catalysis Based on the Biotin-Avidin Technology, 956

## Asymmetric hydrogenation

Strategies for Accelerating the Development of Catalytic Enantioselective Reactions, 476

## Asymmetric synthesis

New Practical Synthesis of the Exceptional Musk Odorants (*R*)-Muscone and (*R,Z*)-5-Muscenone, 489

Stereoselective Radical Translocations, 510

## Asymmetry

Formation of All-Carbon Quaternary Centers by Copper-Catalyzed Asymmetric Conjugate Addition, 461

## Atomic force microscopy

FH – HES: Nanoparticulate Systems: A New Competence Platform at the University of Applied Sciences Northwestern Switzerland (FHNW), 441

## Automation

Automated Synthesis of Oligosaccharides Provides Access to Chemical Tools and Vaccine Candidates, 8

## Bacterial biofilms

Antimicrobial Coatings for Implant Surfaces, 249

## Base excision repair

DNA Damage and Radical Reactions: Mechanistic Aspects, Formation in Cells and Repair Studies, 742

## Benzophenone

UV Filters in the Aquatic Environment Induce Hormonal Effects and Affect Fertility and Reproduction in Fish, 368

## 3-Benzylidene camphor (3-BC)

UV Filters in the Aquatic Environment Induce Hormonal Effects and Affect Fertility and Reproduction in Fish, 368

Endocrine Active UV Filters: Developmental Toxicity and Exposure Through Breast Milk, 345

## Benzylsulfonium salts as fast-curing agents for epoxy resins

The Odyssey of a Polymer Chemist in Switzerland, 847

## Bibliometrics

America, America! 291

## Bicyclo-DNA

Synthesis of Bicyclo-DNA Nucleosides with Additional Functionalization in the Carbocyclic Ring, 270

## Binderpolymers for solder masks

The Odyssey of a Polymer Chemist in Switzerland, 847

**Bio-imaging probes**

Swiss Science Concentrates, 300

**Bioanalytical sensor**

Highlights of Analytical Chemistry in Switzerland: Analytical Concepts and Tools for Speciation Studies, 170

**Biodegradable polymers**

Colloidal Drug Delivery Systems – Recent Advances with Polymeric Micelles, 832

**Biointerface science**

Nonfouling Surface Coatings Based on Poly(2-methyl-2-oxazoline), 264

**Biological chemistry and chemistry degree**

FH – HES: Chemie studieren am Institut für Chemie und Biologische Chemie (ICBC) der Zürcher Hochschule für Angewandte Wissenschaften in Wädenswil, 171

**Biomaterials**

Biofunctional and Biomimetic Polymer Brushes Prepared *via* Surface-Initiated Atom Transfer Radical Polymerization, 793

**Biomedicine**

Conference Report: RheManTec 2007 – Joint Swiss – South African Research Symposium down the Manganese Triad, 41

**Biomimetic membranes**

Biomimetic Block Copolymer Membranes, 820

**Biom mineralization**

Biofunctional and Biomimetic Polymer Brushes Prepared via Surface-Initiated Atom Transfer Radical Polymerization, 793

**Biotechnology**

FH – HES: 20 Years Life Technologies at the University of Applied Sciences Western Switzerland Valais, 686

**Biotin-(strept)avidin technology**

Artificial Metalloenzymes for Enantioselective Catalysis Based on the Biotin-Avidin Technology, 956

**Bisphenol A**

*ipso*-Substitution – A Novel Pathway for Microbial Metabolism of Endocrine-Disrupting 4-Nonylphenols, 4-Alkoxyphenols, and Bisphenol A, 358

Endocrine Disruptors and Breast Cancer, 406

**Bistable rotaxane**

Swiss Science Concentrates, 684

**Block copolymers**

Colloidal Drug Delivery Systems – Recent Advances with Polymeric Micelles, 832

**Breast cancer**

Endocrine Disruptors and Breast Cancer, 406

**Breast development**

Endocrine Disruptors and Breast Cancer, 406

**Brominated flame retardants**

Brominated Flame Retardants – Endocrine-Disrupting Chemicals in the Swiss Environment, 352

Dynamic Substance Flow Analysis as a Valuable Risk Evaluation Tool – A Case Study for Brominated Flame Retardants as an Example of Potential Endocrine Disruptors, 424

Highlights of Analytical Chemistry in Switzerland: Hexabromocyclododecanes: From Smart Molecules to Persistent Pollutants, 936

**Bronsted acids**

Radicals by Design, 735

**Brown trout**

Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects, 376

**Building blocks**

Catalytic Methods for Direct Access to Chiral High-Added-Value Products, 497

**Bulky chiral carbenes**

Swiss Science Concentrates, 42

**<sup>13</sup>C<sub>4</sub>**

Global Analysis of the Infrared Spectrum of <sup>13</sup>C<sub>4</sub>: Lines in the Region 0 to 3200 cm<sup>-1</sup>, 273

**C–H Abstraction**

Stereoselective Radical Translocations, 510

**C<sub>60</sub>/corannulene**

Swiss Science Concentrates, 529

**Calix-arene**

FH – HES: Nanoparticulate Systems: A New Competence Platform at the University of Applied Sciences Northwestern Switzerland (FHNW), 441

**Capecitabine (Xeloda)**

Conference Report: Drug Targeting: Mini-Symposium of the Division for Medicinal Chemistry (DMC) of the Swiss Chemical Society (SCS), at the Department of Chemistry, University of Basel, May 29, 2008, 918

**Capercaillie**

Highlights of Analytical Chemistry in Switzerland: Does Ski Tourism Affect Alpine Bird Fauna? 301

**Capillary NMR**

Highlights of Analytical Chemistry in Switzerland: Plant Metabolomics – Strategies for Biomarker Detection, Isolation, and Identification, 685

**Capillary zone electrophoresis**

Dr. Max Lüthi Award 2007: Analysis of Amphetamine Derivatives in Plasma Using Capillary Zone Electrophoresis Coupled with Laser-Induced Fluorescence after Derivatization on Solid-Phase Extraction Support, 210

**CarboGen Laboratories AG**

From 'Kilo-Labor' to CarboGen, 152

**Carbohydrate synthesis**

Automated Synthesis of Oligosaccharides Provides Access to Chemical Tools and Vaccine Candidates, 8

**Carbon monoxide**

Derivatives of Sodium Boranocarbonate as Novel CO-Releasing Molecules (CO-RMs), 277

**Carbon-carbon cross-coupling reactions**

Swiss Science Concentrates, 169

**Carotenoid**

Tracing Chemical Genealogy Through the Archives of the Institute of Organic Chemistry at the University of Zurich, 126

**CASA**

First Evaluation of Human Sperm Quality in Various Geographic Regions of Switzerland, 395

**Casein micelles**

Colloids in Milk Products, 783

**Catalysis**

Prelog Lecture: Asymmetric Catalysis with Chiral Lewis Bases: A New Frontier in Main Group Chemistry, 35

Formation of All-Carbon Quaternary Centers by Copper-Catalyzed Asymmetric Conjugate Addition, 461

**Catalytic alkene hydrogenation**

Palladium Complexes Comprising C(4)-bound Diimidazolylidene Carbenes, 253

**Charge residue model**

Exploring Deprotonation Reactions on Peptides and Proteins at Atmospheric Pressure by Electro-Sonic Spray Ionization-Mass Spectrometry (ESSI-MS), 282

**Chemical biology**

Editorial: Free Radicals in Chemical Biology, 703

**Chemical engineering**

FH – HES: Thierry Chappuis, nouveau professeur de génie chimique à l'Ecole d'Ingénieurs et d'Architectes de Fribourg (EIA-FR), 861

**Chemical genealogy**

Tracing Chemical Genealogy Through the Archives of the Institute of Organic Chemistry at the University of Zurich, 126

**Chemical sensors**

Swiss Science Concentrates, 169

**Chemical speciation**

Highlights of Analytical Chemistry in Switzerland: Analytical Concepts and Tools for Speciation Studies, 170

**Chemiluminescence**

Lifetime Prediction of Rubber Using the Chemiluminescence Approach and Isoconversional Kinetics, 908

Dammar Resin Degradation Revisited, 913

**Chemistry and Business Studies UZH**

A Smart Recipe of Chemistry and Management, 122

**Chemistry Institutes UZH**

Introduction: 175 Years of Chemistry at the University of Zurich: Tradition, Dedication and Vision, 68

150 Years of Chemistry at the University of Zurich, 75

Alumni Profiles, 157

**CHIMIA**

CHIMIA News, 4

Instructions to Authors 2008, 5

**Chiral auxiliaries**

Total Asymmetric Synthesis of Glycomimetics and Polypropionates of Biological Interest, 519

**Chiral bis-sulfoxide**

Swiss Science Concentrates, 300

**Chiral diphosphines**

Strategies for Accelerating the Development of Catalytic Enantioselective Reactions, 476

**Chirality**

*Ab Initio* Study of Some Persistent Nitroxide Radicals, 256

Editorial: Chirality, 460

Expression and Amplification of Chirality in Two-Dimensional Molecular Crystals, 471

Inducing Helical Chirality by Deforming Hexanuclear Metalloprismatic Structures, 514

**Chlorophyll catabolites**

Highlights of Analytical Chemistry in Switzerland: The Mechanism of Chlorophyll Degradation in Plants, 440

**Chlorophyll degradation**

Highlights of Analytical Chemistry in Swit-

- zerland: The Mechanism of Chlorophyll Degradation in Plants, 440
- Circular dichroism spectroscopy**  
CD Methods Development at the Bio-Nano Interface, 493
- CLA isomers**  
Highlights of Analytical Chemistry in Switzerland: Impact of the Altitude of Pasture on Fatty Acid Composition of Milk, 43
- Classical molecular dynamics**  
Vibrational Predissociation in Hydrogen Bonded Dimers: The Case of (HF)<sub>2</sub> and its Isotopomers, 235
- Cm(III)**  
Swiss Science Concentrates, 42
- CO-releasing molecules**  
Derivatives of Sodium Boranocarbonate as Novel CO-Releasing Molecules (CO-RMs), 277
- Coating**  
Coatings and Aerogels Based on Sol-Gel Processes, 815
- Cobalt myoglobin**  
Swiss Science Concentrates, 529
- Collisional cooling**  
Global Analysis of the Infrared Spectrum of <sup>13</sup>CH<sub>4</sub>: Lines in the Region 0 to 3200 cm<sup>-1</sup>, 273
- Colloidal solution**  
Concentration Profiles of Colloidal Fluids in One-dimensional Confinement, 789
- Colloidal suspensions**  
Soft Nanotechnology – From Colloid Physics to Nanostructured Functional Materials, 805
- Combinatorial chemistry**  
Lead-Discovery of bis-Aromatic Alkynes: A Novel Class of Herbicides, 23  
UZH: Alma Mater and Birthplace of Polyphor Ltd, 154
- 'Complex-in-a-complex'**  
Swiss Science Concentrates, 684
- Conference report**  
Conference Report: Highlights from the 1<sup>st</sup> Firmenich Innovation Through Synthesis (FITS) Symposium, Geneva, Switzerland, 26–27<sup>th</sup> June 2008, 856  
Conference Report: Drug Targeting: Mini-Symposium of the Division for Medicinal Chemistry (DMC) of the Swiss Chemical Society (SCS), at the Department of Chemistry, University of Basel, May 29, 2008, 918
- Confinement**  
Concentration Profiles of Colloidal Fluids in One-dimensional Confinement, 789
- Conglomerates**  
Expression and Amplification of Chirality in Two-Dimensional Molecular Crystals, 471
- Conjugate addition**  
Formation of All-Carbon Quaternary Centers by Copper-Catalyzed Asymmetric Conjugate Addition, 461
- Conjugated oligomers**  
Swiss Science Concentrates, 169
- Consensus platforms**  
Results of the Consensus Platforms: Positions and Recommendations Derived from Scientific Findings in a Joint Effort of Academics, Industry, and Authorities, 432
- Conservation of art objects**  
Editorial: Conservation of Cultural Heritage, 876
- Contemporary art**  
Miniaturized Cold Atmospheric Plasma for the Conservation of Plastics in Modern and Contemporary Art, 877
- Controlled/living radical polymerization**  
Exfoliation of Sheet Silicates by Nitroxide Mediated Polymerization, 799
- Copper**  
Formation of All-Carbon Quaternary Centers by Copper-Catalyzed Asymmetric Conjugate Addition, 461
- Core/shell**  
Towards Magnetic Molecule and Reagent Separation in Organic Synthesis: Development and Use of Covalently Functionalized Nanomagnets, 13
- Coregonus**  
Gonadal Malformations in Whitefish from Lake Thun: Defining the Case and Evaluating the Role of EDCs, 383
- Corrosion**  
Highlights of Analytical Chemistry in Switzerland: *In situ* Element-Specific and Time-Resolved Investigation of Micro-Corrosion Processes, 530
- Corrosion product**  
Applications of Micro-Raman Spectroscopy in Cultural Heritage – Examples from the Laboratory of Conservation Research of the Collections Centre of the Swiss National Museums, 882
- Cortisol**  
Disruption of Glucocorticoid and Mineralocorticoid Receptor-Mediated Responses by Environmental Chemicals, 335
- Creativity**  
America, America! 291
- Cryptorchidism**  
Diethylstilbestrol Action on Leydig Cell Function and Testicular Descent, 401
- Crystallization**  
Expression and Amplification of Chirality in Two-Dimensional Molecular Crystals, 471
- Cultural misunderstandings**  
America, America! 291
- Cyclic depsipeptides**  
UZH: Alma Mater and Birthplace of Polyphor Ltd, 154
- [4+3]-Cycloaddition**  
Preparation and Synthetic Applications of 8-Oxabicyclo[3.2.1]oct-6-en-3-one Derivatives, 221
- Dammar**  
Dammar Resin Degradation Revisited, 913
- Data mining**  
Highlights of Analytical Chemistry in Switzerland: Plant Metabolomics – Strategies for Biomarker Detection, Isolation, and Identification, 685
- Decapentynylcorannulene**  
Swiss Science Concentrates, 42
- Degradation**  
Dammar Resin Degradation Revisited, 913
- Dendronized polymers**  
Polymers Going Rigid, Thick, and Laterally Infinite, 776
- Denmark, Scott**  
Prelog Medal 2007 – Laudatio for Scott Denmark, 35
- Density functional theory**  
Atom-Centered Potentials to Describe Dispersion Forces in Density Functional Theory, 231
- Derivatization**  
Dr. Max Lüthi Award 2007: Analysis of Amphetamine Derivatives in Plasma Using Capillary Zone Electrophoresis Coupled with Laser-Induced Fluorescence after Derivatization on Solid-Phase Extraction Support, 210
- Detector**  
Highlights of Analytical Chemistry in Switzerland: Deep-UV Detector for HPLC with Light-Emitting Diode, 860
- Deterioration**  
The Chemical Degradation of Leather, 899
- Developmental toxicity**  
Endocrine Active UV Filters: Developmental Toxicity and Exposure Through Breast Milk, 345
- Diastereoselective synthesis**  
Total Asymmetric Synthesis of Glycomimetics and Polypropionates of Biological Interest, 519
- Diethylstilbestrol**  
Endocrine Disruptors and Breast Cancer, 406
- Dimer (HF)<sub>2</sub>**  
Vibrational Predissociation in Hydrogen Bonded Dimers: The Case of (HF)<sub>2</sub> and its Isotopomers, 235
- Dioxin**  
Genetic Reprogramming of Human Mammary Cells by Environmental Carcinogens Released into Breast Milk, 410
- Diplatinum complexes**  
EXAFS Structural Determination of the Pt<sub>2</sub>(P<sub>2</sub>O<sub>5</sub>H<sub>2</sub>)<sub>4</sub><sup>4-</sup> Anion in Solution, 287
- 1,3-Dipolar cycloaddition**  
Swiss Science Concentrates, 42
- Direct force measurements**  
Highlights in Polymer and Colloid Chemistry: Probing the Diffuse Layer of Modified Electrodes by Direct Force Measurements, 937
- Discovery**  
Lead-Discovery of bis-Aromatic Alkynes: A Novel Class of Herbicides, 23
- Dispersion forces**  
Atom-Centered Potentials to Describe Dispersion Forces in Density Functional Theory, 231
- Dispersion-corrected atom-centered potentials**  
Atom-Centered Potentials to Describe Dispersion Forces in Density Functional Theory, 231
- DNA**  
DNA Damage and Radical Reactions: Mechanistic Aspects, Formation in Cells and Repair Studies, 742
- Donor-acceptor**  
Prelog Lecture: Asymmetric Catalysis with Chiral Lewis Bases: A New Frontier in Main Group Chemistry, 35
- Drug conjugates**  
Conference Report: Drug Targeting: Mini-Symposium of the Division for Medicinal Chemistry (DMC) of the Swiss Chemical

- Society (SCS), at the Department of Chemistry, University of Basel, May 29, 2008, 918
- Drug delivery**  
Colloidal Drug Delivery Systems – Recent Advances with Polymeric Micelles, 832
- Drug design**  
The Non-Mevalonate Pathway to Isoprenoid Biosynthesis: A Potential Source of New Drug Targets, 226
- Dual activation catalysis**  
Catalytic Methods for Direct Access to Chiral High-Added-Value Products, 497
- Dye-sensitized solar cell**  
Swiss Science Concentrates, 859
- Dynamic kinetic resolution**  
New Practical Synthesis of the Exceptional Musk Odorants (*R*)-Muscone and (*R,Z*)-5-Musconone, 489
- Dynamic substance flow analysis**  
Dynamic Substance Flow Analysis as a Valuable Risk Evaluation Tool – A Case Study for Brominated Flame Retardants as an Example of Potential Endocrine Disrupters, 424
- Ediacara**  
Highlights of Analytical Chemistry in Switzerland: Mass Extinction and Mass Spectrometry: Pursuing the Fate of the Earliest Multicellulars, 981
- Education**  
FH – HES: Thierry Chappuis, nouveau professeur de génie chimique à l'École d'Ingénieurs et d'Architectes de Fribourg (EIA-FR), 861
- Effects on reproduction**  
UV Filters in the Aquatic Environment Induce Hormonal Effects and Affect Fertility and Reproduction in Fish, 368
- EFM**  
Modulating the Reactivity of Electrode Surfaces by Electrostatic Assembly of Metal Nanoparticles and Quantum Dots, 841
- Electro-sonic spray ionization**  
Exploring Deprotonation Reactions on Peptides and Proteins at Atmospheric Pressure by Electro-Sonic Spray Ionization-Mass Spectrometry (ESSI-MS), 282
- Electrochemistry**  
Modulating the Reactivity of Electrode Surfaces by Electrostatic Assembly of Metal Nanoparticles and Quantum Dots, 841
- Electrode surfaces**  
Modulating the Reactivity of Electrode Surfaces by Electrostatic Assembly of Metal Nanoparticles and Quantum Dots, 841
- Electron transfer processes**  
Swiss Science Concentrates, 684
- Electrophilic**  
Prelog Lecture: Asymmetric Catalysis with Chiral Lewis Bases: A New Frontier in Main Group Chemistry, 35
- Electrophilic trifluoromethylation**  
Recent Advances in Electrophilic CF<sub>3</sub>-Transfer Using Hypervalent Iodine(III) Reagents, 260
- Electrophoresis**  
Microchip Isoelectric Focusing Applications, 244
- Electrospray ionization mass spectroscopy**  
Identification of Endocrine-Disrupting Compounds Using Nano-electrospray Ionization Mass Spectrometry, 329
- Electrostatic layer-by-layer assembly**  
Modulating the Reactivity of Electrode Surfaces by Electrostatic Assembly of Metal Nanoparticles and Quantum Dots, 841
- Element-specific, time-resolved analysis**  
Highlights of Analytical Chemistry in Switzerland: *In situ* Element-Specific and Time-Resolved Investigation of Micro-Corrosion Processes, 530
- Elimination**  
New Practical Synthesis of the Exceptional Musk Odorants (*R*)-Muscone and (*R,Z*)-5-Musconone, 489
- ELN**  
[www.nmrdb.org](http://www.nmrdb.org): Resurrecting and Processing NMR Spectra On-line, 280
- Embryonic development**  
PPAR Disruption: Cellular Mechanisms and Physiological Consequences, 340
- Emerging contaminants**  
Brominated Flame Retardants – Endocrine-Disrupting Chemicals in the Swiss Environment, 352
- Emission**  
Dynamic Substance Flow Analysis as a Valuable Risk Evaluation Tool – A Case Study for Brominated Flame Retardants as an Example of Potential Endocrine Disrupters, 424
- Enantiomorphism**  
Expression and Amplification of Chirality in Two-Dimensional Molecular Crystals, 471
- Enantioselective hydrogenation**  
Strategies for Accelerating the Development of Catalytic Enantioselective Reactions, 476
- Enantioselectivity**  
Chiral Metal Surfaces and Nanoparticles, 465  
Artificial Metalloenzymes for Enantioselective Catalysis Based on the Biotin-Avidin Technology, 956
- Endocrine disruption**  
PPAR Disruption: Cellular Mechanisms and Physiological Consequences, 340  
Gonadal Malformations in Whitefish from Lake Thun: Defining the Case and Evaluating the Role of EDCs, 383  
Estrogens in Swiss Rivers and Effluents – Sampling Matters, 389  
Integrative Risk Assessment of Endocrine Disruptors in Switzerland, 417
- Endocrine disruptors**  
Editorial: Endocrine Disruptors: Relevance to Humans, Animals and Ecosystems Research Highlights from the National Research Programme NRP50, 316  
Introduction, 318  
Disruption of Glucocorticoid and Mineralocorticoid Receptor-Mediated Responses by Environmental Chemicals, 335  
Brominated Flame Retardants – Endocrine-Disrupting Chemicals in the Swiss Environment, 352  
*ipso*-Substitution – A Novel Pathway for Microbial Metabolism of Endocrine-Disrupting 4-Nonylphenols, 4-Alkoxyphenols, and Bisphenol A, 358
- Environmental Exposure to Estrogenic and other Myco- and Phytotoxins, 364
- Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects, 376
- Diethylstilbestrol Action on Leydig Cell Function and Testicular Descent, 401
- Genetic Reprogramming of Human Mammary Cells by Environmental Carcinogens Released into Breast Milk, 410
- Results of the Consensus Platforms: Positions and Recommendations Derived from Scientific Findings in a Joint Effort of Academics, Industry, and Authorities, 432
- Endocrine-disrupting compounds**  
Identification of Endocrine-Disrupting Compounds Using Nano-electrospray Ionization Mass Spectrometry, 329
- Epidemiology study**  
First Evaluation of Human Sperm Quality in Various Geographic Regions of Switzerland, 395
- ERM**  
[www.nmrdb.org](http://www.nmrdb.org): Resurrecting and Processing NMR Spectra On-line, 280
- Ertl, Gerhard**  
Aus den *Nachrichten aus der Chemie*: „Wie ein Regisseur im Theater“ – Interview mit Gerhard Ertl; *Nachrichten aus der Chemie* 2008, 56, 121–124, 44
- Estrogen**  
Endocrine Disruptors and Breast Cancer, 406  
Genetic Reprogramming of Human Mammary Cells by Environmental Carcinogens Released into Breast Milk, 410
- Estrogen receptor**  
Identification of Endocrine-Disrupting Compounds Using Nano-electrospray Ionization Mass Spectrometry, 329
- Estrogenic activity**  
Estrogens in Swiss Rivers and Effluents – Sampling Matters, 389
- Estrogenic exposure**  
Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects, 376
- Estrogenicity**  
UV Filters in the Aquatic Environment Induce Hormonal Effects and Affect Fertility and Reproduction in Fish, 368
- EuCHEMS**  
Conference Report: The 43rd EUCHEM Conference on Stereochemistry (Bürgenstock Conference 2008) FÜRIGEN, April 12–18, 2008, 525  
EuCHEMS Newsletter May, 693  
EuCHEMS Newsletter September, 759  
EuCHEMS Newsletter November, 945
- EXAFS**  
EXAFS Structural Determination of the Pt<sub>2</sub>(P<sub>2</sub>O<sub>5</sub>H<sub>2</sub>)<sub>4</sub><sup>4-</sup> Anion in Solution, 287
- Exfoliation**  
Exfoliation of Sheet Silicates by Nitroxide Mediated Polymerization, 799
- Expression profiling**  
Diethylstilbestrol Action on Leydig Cell Function and Testicular Descent, 401

**Faecal corticosterone metabolites**

Highlights of Analytical Chemistry in Switzerland: Does Ski Tourism Affect Alpine Bird Fauna? 301

**Fatty acids**

Highlights of Analytical Chemistry in Switzerland: Impact of the Altitude of Pasture on Fatty Acid Composition of Milk, 43

**Firmenich**

Conference Report: Highlights from the 1<sup>st</sup> Firmenich Innovation Through Synthesis (FITS) Symposium, Geneva, Switzerland, 26–27<sup>th</sup> June 2008, 856

**Fish population**

Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects, 376

**Flash photolysis**

Stabilization and Reactions of Sulfur Radical Cations: Relevance to One-Electron Oxidation of Methionine in Peptides and Proteins, 728

**Flow injection analysis**

Highlights of Analytical Chemistry in Switzerland: *In situ* Element-Specific and Time-Resolved Investigation of Micro-Corrosion Processes, 530

**Flow-mode synthesis**

Karrer Lecture 2007: The Changing Face of Organic Synthesis, 162

**Fluorinated compounds**

Recent Advances in Electrophilic CF<sub>3</sub>-Transfer Using Hypervalent Iodine(III) Reagents, 260

**Fluorometric sensing**

Synthetic Pores as Sensors: Focus on Zinc Filters for IP7 and Phytate Contents in Lentils, Almonds, and Soybeans, 215

**5-Fluorouracil (5-FU)**

Conference Report: Drug Targeting: Mini-Symposium of the Division for Medicinal Chemistry (DMC) of the Swiss Chemical Society (SCS), at the Department of Chemistry, University of Basel, May 29, 2008, 918

**Food colloids**

Colloids in Milk Products, 783

**Food technology**

FH – HES: 20 Years Life Technologies at the University of Applied Sciences Western Switzerland Valais, 686

**Free radicals**

Editorial: Free Radicals in Chemical Biology, 703

**Funding of scientific research**

America, America! 291

**Furan derivatives**

Preparation and Synthetic Applications of 8-Oxabicyclo[3.2.1]oct-6-en-3-one Derivatives, 221

**G-protein coupled receptors**

Orexin Receptor Antagonism: A New Principle in Neuroscience, 974

**Gamma and pulse radiolysis**

Stabilization and Reactions of Sulfur Radical Cations: Relevance to One-Electron Oxidation of Methionine in Peptides and Proteins, 728

**Garnet**

Applications of Micro-Raman Spectroscopy in Cultural Heritage – Examples from the Laboratory of Conservation Research of the Collections Centre of the Swiss National Museums, 882

**Gas phase**

Effects of N-Terminus Substitution on the Structure and Spectroscopy of Gas-Phase Helices, 240

**Gas-phase basicity**

Exploring Deprotonation Reactions on Peptides and Proteins at Atmospheric Pressure by Electro-Sonic Spray Ionization-Mass Spectrometry (ESSI-MS), 282

**Gel integrated microelectrode**

Highlights of Analytical Chemistry in Switzerland: Analytical Concepts and Tools for Speciation Studies, 170

**Gene regulation**

Diethylstilbestrol Action on Leydig Cell Function and Testicular Descent, 401

**Giant amphiphiles**

Swiss Science Concentrates, 859

**Gilding**

Mobile Micro-X-ray Fluorescence Analysis (XRF) on Medieval Paintings, 887

**Glucocorticoid**

Disruption of Glucocorticoid and Mineralocorticoid Receptor-Mediated Responses by Environmental Chemicals, 335

**Glucocorticoid receptor**

Disruption of Glucocorticoid and Mineralocorticoid Receptor-Mediated Responses by Environmental Chemicals, 335

**Gold carbene complex**

Swiss Science Concentrates, 750

**Gold nanoparticles**

Swiss Science Concentrates, 684

**Gonad malformation**

Gonadal Malformations in Whitefish from Lake Thun: Defining the Case and Evaluating the Role of EDCs, 383

**Graduate School of Chemistry and Molecular Science UZH**

Graduate School of Chemical and Molecular Sciences Zurich (CMSZH), 130

**Graphene**

Towards Magnetic Molecule and Reagent Separation in Organic Synthesis: Development and Use of Covalently Functionalized Nanomagnets, 13

**Graphical interpretation of ROA**

Raman Optical Activity: A Reliable Chiroptical Technique, 482

**Grouse**

Highlights of Analytical Chemistry in Switzerland: Does Ski Tourism Affect Alpine Bird Fauna? 301

**Guanine radical cation**

DNA Damage and Radical Reactions: Mechanistic Aspects, Formation in Cells and Repair Studies, 742

**H-Abstraction**

Stereoselective Radical Translocations, 510

**<sup>1</sup>H-<sup>13</sup>C HSQC NMR**

Swiss Science Concentrates, 750

**H-Transfer**

Radicals by Design, 735

**β-Hairpin**

Swiss Science Concentrates, 980

**Helices**

Effects of N-Terminus Substitution on the Structure and Spectroscopy of Gas-Phase Helices, 240

**Hexabromocyclododecanes**

Highlights of Analytical Chemistry in Switzerland: Hexabromocyclododecanes: From Smart Molecules to Persistent Pollutants, 936

**Hexanuclear complex**

Inducing Helical Chirality by Deforming Hexanuclear Metalloprismatic Structures, 514

**High-resolution infrared spectroscopy**

Global Analysis of the Infrared Spectrum of <sup>13</sup>CH<sub>4</sub>: Lines in the Region 0 to 3200 cm<sup>-1</sup>, 273

**High-temperature stable polymers**

The Odyssey of a Polymer Chemist in Switzerland, 847

**Higher education**

FH – HES: 20 Years Life Technologies at the University of Applied Sciences Western Switzerland Valais, 686

**Highlands**

Highlights of Analytical Chemistry in Switzerland: Impact of the Altitude of Pasture on Fatty Acid Composition of Milk, 43

**History of Chemistry**

Introduction: 175 Years of Chemistry at the University of Zurich: Tradition, Dedication and Vision, 68

150 Years of Chemistry at the University of Zurich, 75

A Brief History of the Institute of Physical Chemistry at the University of Zurich, 103

In the Footsteps of Alfred Werner: The Institute of Inorganic Chemistry at the University of Zurich, 111

Institute of Organic Chemistry: 1983–2008, 114

Tracing Chemical Genealogy Through the Archives of the Institute of Organic Chemistry at the University of Zurich, 126

**History of science**

Polymer and Colloid Chemistry in Switzerland, 773

**Hofmann, Albert**

In Memoriam: Albert Hofmann (1906–2008), 444

**Hormonal effects**

UV Filters in the Aquatic Environment Induce Hormonal Effects and Affect Fertility and Reproduction in Fish, 368

**HPLC**

Highlights of Analytical Chemistry in Switzerland: Deep-UV Detector for HPLC with Light-Emitting Diode, 860

**Human disturbance**

Highlights of Analytical Chemistry in Switzerland: Does Ski Tourism Affect Alpine Bird Fauna? 301

**Human milk**

Endocrine Active UV Filters: Developmental Toxicity and Exposure Through Breast Milk, 345

**Hydrodesulfurization**

Swiss Science Concentrates, 980



**Hydrogenation**

Recent Progress in Iridium-Catalyzed Enantioselective Hydrogenation: Tetrasubstituted Olefins and Polyenes, 506

**Hydrogenation catalysis**

Catalytic Activity of bis-Phosphine Ruthenium(II)-Arene Compounds, 217

**11 $\beta$ -Hydroxysteroid dehydrogenase**

Disruption of Glucocorticoid and Mineralocorticoid Receptor-Mediated Responses by Environmental Chemicals, 335

**Hypervalent iodine**

Recent Advances in Electrophilic CF<sub>3</sub>-Transfer Using Hypervalent Iodine(III) Reagents, 260

**ICHO**

A Bronze Medal for Switzerland at the 40th International Chemistry Olympiad 2008 in Budapest, 982

**Impact**

America, America! 291

**Implants**

Antimicrobial Coatings for Implant Surfaces, 249

***In silico* prediction of the endocrine disrupting potential**

*VirtualToxLab* – *in silico* Prediction of the Endocrine-Disrupting Potential of Drugs and Chemicals, 322

***In situ* measurement**

Highlights of Analytical Chemistry in Switzerland: Analytical Concepts and Tools for Speciation Studies, 170

**Inductively coupled plasma mass spectrometry**

Highlights of Analytical Chemistry in Switzerland: *In situ* Element-Specific and Time-Resolved Investigation of Micro-Corrosion Processes, 530

**Infrared spectroscopy**

Effects of N-Terminus Substitution on the Structure and Spectroscopy of Gas-Phase Helices, 240

**Inhibitors**

The Non-Mevalonate Pathway to Isoprenoid Biosynthesis: A Potential Source of New Drug Targets, 226

**Inositol phosphates**

Synthetic Pores as Sensors: Focus on Zinc Filters for IP7 and Phytate Contents in Lentils, Almonds, and Soybeans, 215

Institute of Chemistry and Biological Chemistry

FH – HES: Chemie studieren am Institut für Chemie und Biologische Chemie (ICBC) der Zürcher Hochschule für Angewandte Wissenschaften in Wädenswil, 171

**Institute of Chemistry UZH**

Professor Hans Schmid's Passion for Chemistry – Reminiscences of a PhD Student, 142

**Institute of Inorganic Chemistry UZH**

In the Footsteps of Alfred Werner: The Institute of Inorganic Chemistry at the University of Zurich, 111

**Institute of Organic Chemistry UZH**

Institute of Organic Chemistry: 1983–2008, 114  
Tracing Chemical Genealogy Through the Archives of the Institute of Organic Chemistry at the University of Zurich, 126

Years with Hans Schmid, 132

From Insects to Bioinspired Catalysis, 137

Introduction to the Art of Chemistry, 140

1959–1968: The Formative Years, 145

Studying Chemistry at the University of Zurich in the Sixties and Seventies of the Last Century: A Personal View, 148

Sixteen Semesters of Chemistry at the University of Zurich: A Retrospective on a Formative Time, 150

From 'Kilo-Labor' to CarboGen, 152

**Institute of Physical Chemistry UZH**

A Brief History of the Institute of Physical Chemistry at the University of Zurich, 103

**Instrument adjustment**

Highlights of Analytical Chemistry in Switzerland: Calibrating Sensitive Analytical Instruments – or How Much is 'Zero'? 751

**Interface**

Coatings and Aerogels Based on Sol-Gel Processes, 815

**International Chemistry Olympiad**

A Bronze Medal for Switzerland at the 40th International Chemistry Olympiad 2008 in Budapest, 982

**Intersex**

Gonadal Malformations in Whitefish from Lake Thun: Defining the Case and Evaluating the Role of EDCs, 383

**Inversion barriers**

*Ab Initio* Study of Some Persistent Nitroxide Radicals, 256

**Ion channel**

CD Methods Development at the Bio-Nano Interface, 493

**Ion triples**

A Simple Straightforward Synthesis of Phenylphosphane and the Photoinitiator Bis(mesityl)phenylphosphane Oxide (IR-GACURE 819), 18

***ipso*-Substitution**

*ipso*-Substitution – A Novel Pathway for Microbial Metabolism of Endocrine-Disrupting 4-Nonylphenols, 4-Alkoxyphenols, and Bisphenol A, 358

**IR-spectroscopy**

Vibrational Predissociation in Hydrogen Bonded Dimers: The Case of (HF)<sub>2</sub> and its Isotopomers, 235

**Iridium**

Recent Progress in Iridium-Catalyzed Enantioselective Hydrogenation: Tetrasubstituted Olefins and Polyenes, 506

**Isoconversional kinetics**

Lifetime Prediction of Rubber Using the Chemiluminescence Approach and Isoconversional Kinetics, 908

**Isoelectric focusing**

Microchip Isoelectric Focusing Applications, 244

**Isoflavones**

Environmental Exposure to Estrogenic and other Myco- and Phytotoxins, 364

**Isoprenoid biosynthesis**

The Non-Mevalonate Pathway to Isoprenoid Biosynthesis: A Potential Source of New Drug Targets, 226

**Isotope fractionation**

Highlights of Analytical Chemistry in Switzerland: Mass Extinction and Mass Spec-

troscopy: Pursuing the Fate of the Earliest Multicellulars, 981

**Isotopes**

Vibrational Predissociation in Hydrogen Bonded Dimers: The Case of (HF)<sub>2</sub> and its Isotopomers, 235

Global Analysis of the Infrared Spectrum of <sup>13</sup>CH<sub>4</sub>: Lines in the Region 0 to 3200 cm<sup>-1</sup>, 273

**Karrer, Paul**

150 Years of Chemistry at the University of Zurich, 75

**Kelvin probe**

Modulating the Reactivity of Electrode Surfaces by Electrostatic Assembly of Metal Nanoparticles and Quantum Dots, 841

**Laboratory for Process Chemistry**

Institute of Organic Chemistry: 1983–2008, 114

**Lacifodilactone F**

Recent Developments in Arene Photocycloadditions, 962

**Largazole**

Swiss Science Concentrates, 935

**Laser induced Fluorescence**

Dr. Max Lüthi Award 2007: Analysis of Amphetamine Derivatives in Plasma Using Capillary Zone Electrophoresis Coupled with Laser-Induced Fluorescence after Derivatization on Solid-Phase Extraction Support, 210

**Layered silicates**

Exfoliation of Sheet Silicates by Nitroxide Mediated Polymerization, 799

**Leaf senescence**

Highlights of Analytical Chemistry in Switzerland: The Mechanism of Chlorophyll Degradation in Plants, 440

**LED**

Highlights of Analytical Chemistry in Switzerland: Deep-UV Detector for HPLC with Light-Emitting Diode, 860

**Lewis acids**

Catalytic Methods for Direct Access to Chiral High-Added-Value Products, 497  
Radicals by Design, 735

**Life cycle of chemicals**

Dynamic Substance Flow Analysis as a Valuable Risk Evaluation Tool – A Case Study for Brominated Flame Retardants as an Example of Potential Endocrine Disrupters, 424

**Life Sciences Master**

FH – HES: Chemie studieren am Institut für Chemie und Biologische Chemie (ICBC) der Zürcher Hochschule für Angewandte Wissenschaften in Wädenswil, 171

**Life technologies**

FH – HES: 20 Years Life Technologies at the University of Applied Sciences Western Switzerland Valais, 686

**Lifetime prediction**

Lifetime Prediction of Rubber Using the Chemiluminescence Approach and Isoconversional Kinetics, 908

**LIMS**

[www.nmrdb.org](http://www.nmrdb.org): Resurrecting and Processing NMR Spectra On-line, 280

**Linear polynuclear helicates**

Swiss Science Concentrates, 439

**Lipid isomerization**

Lipidomics and Free Radical Modifications of Lipids, 713

**Lipid peroxidation**

Lipidomics and Free Radical Modifications of Lipids, 713

**Lipidomics**

Lipidomics and Free Radical Modifications of Lipids, 713

**Lipids**

Biomimetic Chemistry on Tandem Protein/Lipid Damages under Reductive Radical Stress, 721

**Liquid crystals**

Hexa-*peri*-hexabenzocoronenes – Controlling their Self-Assembly by Engineering the Lateral Substituents, 967

**Local emissions**

Integrative Risk Assessment of Endocrine Disruptors in Switzerland, 417

**Localized corrosion**

Highlights of Analytical Chemistry in Switzerland: *In situ* Element-Specific and Time-Resolved Investigation of Micro-Corrosion Processes, 530

**Magnesium**

Formation of All-Carbon Quaternary Centers by Copper-Catalyzed Asymmetric Conjugate Addition, 461

**Manganese triad**

Conference Report: RheManTec 2007 – Joint Swiss – South African Research Symposium down the Manganese Triad, 41

**Mass extinction**

Highlights of Analytical Chemistry in Switzerland: Mass Extinction and Mass Spectrometry: Pursuing the Fate of the Earliest Multicellulars, 981

**Mass flow modelling**

Integrative Risk Assessment of Endocrine Disruptors in Switzerland, 417

**Massadine**

Swiss Science Concentrates, 980

**MC-ICP-MS**

Highlights of Analytical Chemistry in Switzerland: Mass Extinction and Mass Spectrometry: Pursuing the Fate of the Earliest Multicellulars, 981

**Measurement uncertainty**

Highlights of analytical Chemistry in Switzerland: Calibrating Sensitive Analytical Instruments – or How Much is ‘Zero’? 751

**Mechanism**

Catalytic Activity of bis-Phosphine Ruthenium(II)-Arene Compounds, 217

**Medicinal chemistry**

UZH: Alma Mater and Birthplace of Polyphor Ltd, 154  
Orexin Receptor Antagonism: A New Principle in Neuroscience, 974

**Merrifield synthesis**

Towards Magnetic Molecule and Reagent Separation in Organic Synthesis: Development and Use of Covalently Functionalized Nanomagnets, 13

**Metabolomics**

Highlights of Analytical Chemistry in Switzerland: Plant Metabolomics – Strategies

for Biomarker Detection, Isolation, and Identification, 685

**Metal nanoparticles**

Modulating the Reactivity of Electrode Surfaces by Electrostatic Assembly of Metal Nanoparticles and Quantum Dots, 841

**Metal-peptide frameworks**

Swiss Science Concentrates, 439

**Methane**

Global Analysis of the Infrared Spectrum of  $^{13}\text{CH}_4$ : Lines in the Region 0 to 3200  $\text{cm}^{-1}$ , 273

**Methionine**

Stabilization and Reactions of Sulfur Radical Cations: Relevance to One-Electron Oxidation of Methionine in Peptides and Proteins, 728

**4-Methylbenzylidene camphor (4-MBC)**

Endocrine Active UV Filters: Developmental Toxicity and Exposure Through Breast Milk, 345

**Micro-Raman spectroscopy**

Applications of Micro-Raman Spectroscopy in Cultural Heritage – Examples from the Laboratory of Conservation Research of the Collections Centre of the Swiss National Museums, 882

**Microextraction**

Highlights of Analytical Chemistry in Switzerland: Analytical Concepts and Tools for Speciation Studies, 170

**Microfluidics**

Microchip Isoelectric Focusing Applications, 244

Concentration Profiles of Colloidal Fluids in One-dimensional Confinement, 789

**Microgel-imidazole adducts as latent epoxy curing catalysts**

The Odyssey of a Polymer Chemist in Switzerland, 847

**Micropollutants**

Environmental Exposure to Estrogenic and other Myco- and Phytotoxins, 364

**Microreactors**

Karrer Lecture 2007: The Changing Face of Organic Synthesis, 162

**Milk**

Highlights of Analytical Chemistry in Switzerland: Impact of the Altitude of Pasture on Fatty Acid Composition of Milk, 43  
Colloids in Milk Products, 783

**Milk globules**

Colloids in Milk Products, 783

**Mineralocorticoid receptor**

Disruption of Glucocorticoid and Mineralocorticoid Receptor-Mediated Responses by Environmental Chemicals, 335

**Modern and contemporary art**

Miniaturized Cold Atmospheric Plasma for the Conservation of Plastics in Modern and Contemporary Art, 877

**Modified electrodes**

Highlights in Polymer and Colloid Chemistry: Probing the Diffuse Layer of Modified Electrodes by Direct Force Measurements, 937

**Molecular device**

Grammaticakis-Neumann Prize 2007: Artificial Molecular Machines Powered by Light, 204

**Molecular modelling**

*VirtualToxLab* – *in silico* Prediction of the Endocrine-Disrupting Potential of Drugs and Chemicals, 322

**Molecular sheets**

Polymers Going Rigid, Thick, and Laterally Infinite, 776

**Molecular structures**

EXAFS Structural Determination of the  $\text{Pt}_2(\text{P}_2\text{O}_5\text{H}_2)_4^{4-}$  Anion in Solution, 287

**Molybdenum isotopes**

Highlights of Analytical Chemistry in Switzerland: Mass Extinction and Mass Spectrometry: Pursuing the Fate of the Earliest Multicellulars, 981

**MUFA**

Highlights of Analytical Chemistry in Switzerland: Impact of the Altitude of Pasture on Fatty Acid Composition of Milk, 43

**Multidimensional QSAR**

*VirtualToxLab* – *in silico* Prediction of the Endocrine-Disrupting Potential of Drugs and Chemicals, 322

**Multiply charged ions**

Exploring Deprotonation Reactions on Peptides and Proteins at Atmospheric Pressure by Electro-Sonic Spray Ionization-Mass Spectrometry (ESSI-MS), 282

**N-Heterocyclic carbenes**

Palladium Complexes Comprising C(4)-bound Diimidazolylidene Carbenes, 253

**N,P Ligands**

Recent Progress in Iridium-Catalyzed Enantioselective Hydrogenation: Tetrasubstituted Olefins and Polyenes, 506

**‘Naked sugars’**

Total Asymmetric Synthesis of Glycomimetics and Polypropionates of Biological Interest, 519

**Nano objects**

Polymers Going Rigid, Thick, and Laterally Infinite, 776

**Nanocomposites**

Exfoliation of Sheet Silicates by Nitroxide Mediated Polymerization, 799

**Nanocontainers**

Biomimetic Block Copolymer Membranes, 820

**Nanomedicines**

Conference Report: Drug Targeting: Mini-Symposium of the Division for Medicinal Chemistry (DMC) of the Swiss Chemical Society (SCS), at the Department of Chemistry, University of Basel, May 29, 2008, 918

**Nanoparticle**

Towards Magnetic Molecule and Reagent Separation in Organic Synthesis: Development and Use of Covalently Functionalized Nanomagnets, 13

FH – HES: Nanoparticulate Systems: A New Competence Platform at the University of Applied Sciences Northwestern Switzerland (FHNW), 441

Chiral Metal Surfaces and Nanoparticles, 465

**Nanoreactors**

Biomimetic Block Copolymer Membranes, 820

**Nanoscience**

Grammaticakis-Neumann Prize 2007: Artificial Molecular Machines Powered by Light, 204

**Natural rubber**

Lifetime Prediction of Rubber Using the Chemiluminescence Approach and Isoconversional Kinetics, 908

**Nazarov cyclization**

Swiss Science Concentrates, 859

**NCC**

Highlights of Analytical Chemistry in Switzerland: The Mechanism of Chlorophyll Degradation in Plants, 440

**Neuroscience**

Orexin Receptor Antagonism: A New Principle in Neuroscience, 974

**New organic chemistry of sulfur dioxide**

Total Asymmetric Synthesis of Glycomimetics and Polypropionates of Biological Interest, 519

**Nickel complexes**

Swiss Science Concentrates, 750

**Nitroxide radicals**

*Ab Initio* Study of Some Persistent Nitroxide Radicals, 256

**NMR spectrum assignment**

[www.nmrdb.org](http://www.nmrdb.org): Resurrecting and Processing NMR Spectra On-line, 280

**Non-covalent interactions**

Radicals by Design, 735

**Non-mevalonate pathway**

The Non-Mevalonate Pathway to Isoprenoid Biosynthesis: A Potential Source of New Drug Targets, 226

**Noncovalent**

Identification of Endocrine-Disrupting Compounds Using Nano-electrospray Ionization Mass Spectrometry, 329

**Nonfouling**

Nonfouling Surface Coatings Based on Poly(2-methyl-2-oxazoline), 264

**Nonylphenol**

*ipso*-Substitution – A Novel Pathway for Microbial Metabolism of Endocrine-Disrupting 4-Nonylphenols, 4-Alkoxyphenols, and Bisphenol A, 358

**NPR50**

Editorial: Endocrine Disruptors: Relevance to Humans, Animals and Ecosystems Research Highlights from the National Research Programme NPR50, 316

Introduction, 318

Results of the Consensus Platforms: Positions and Recommendations Derived from Scientific Findings in a Joint Effort of Academics, Industry, and Authorities, 432

**Nucleophilic**

Prelog Lecture: Asymmetric Catalysis with Chiral Lewis Bases: A New Frontier in Main Group Chemistry, 35

**Nucleosides**

Synthesis of Bicyclo-DNA Nucleosides with Additional Functionalization in the Carbocyclic Ring, 270

**Oligosaccharides**

Automated Synthesis of Oligosaccharides Provides Access to Chemical Tools and Vaccine Candidates, 8

**Omega-3 fatty acids**

Highlights of Analytical Chemistry in Switzerland: Impact of the Altitude of Pasture on Fatty Acid Composition of Milk, 43

**One-electron oxidation of peptides and proteins**

Stabilization and Reactions of Sulfur Radical Cations: Relevance to One-Electron Oxidation of Methionine in Peptides and Proteins, 728

**Online processing**

[www.nmrdb.org](http://www.nmrdb.org): Resurrecting and Processing NMR Spectra On-line, 280

**Optical activity**

Chiral Metal Surfaces and Nanoparticles, 465

**Optimization techniques**

FH – HES: Thierry Chappuis, nouveau professeur de génie chimique à l'École d'Ingénieurs et d'Architectes de Fribourg (EIA-FR), 861

**Orexin receptor antagonists**

Orexin Receptor Antagonism: A New Principle in Neuroscience, 974

**Organic chemistry**

Sixteen Semesters of Chemistry at the University of Zürich: A Retrospective on a Formative Time, 150

**Orpiment**

Current Research on Artificial Arsenic Sulphide Pigments in Artworks: A Short Review, 903

**Osmotic pressure**

CD Methods Development at the Bio-Nano Interface, 493

**Oxidation**

The Chemical Degradation of Leather, 899  
Lifetime Prediction of Rubber Using the Chemiluminescence Approach and Isoconversional Kinetics, 908

Dammar Resin Degradation Revisited, 913

**2-Oxyallyl cations**

Preparation and Synthetic Applications of 8-Oxabicyclo[3.2.1]oct-6-en-3-one Derivatives, 221

**PAH**

Hexa-*peri*-hexabenzocoronenes – Controlling their Self-Assembly by Engineering the Lateral Substituents, 967

**Painting**

Mobile Micro-X-ray Fluorescence Analysis (XRF) on Medieval Paintings, 887

Current Research on Artificial Arsenic Sulphide Pigments in Artworks: A Short Review, 903

**Palladium**

Palladium Complexes Comprising C(4)-bound Diimidazolylidene Carbenes, 253

**Parity violation**

*Ab Initio* Study of Some Persistent Nitroxide Radicals, 256

**Passion for chemistry**

Professor Hans Schmid's Passion for Chemistry – Reminiscences of a PhD Student, 142

**Passive sampling**

Estrogens in Swiss Rivers and Effluents – Sampling Matters, 389

**Pathway**

DNA Damage and Radical Reactions: Mechanistic Aspects, Formation in Cells and Repair Studies, 742

**PCB**

Genetic Reprogramming of Human Mammary Cells by Environmental Carcinogens Released into Breast Milk, 410

**Peptide mimetics**

UZH: Alma Mater and Birthplace of Polyphor Ltd, 154

**Peptides**

Biomimetic Chemistry on Tandem Protein/Lipid Damages under Reductive Radical Stress, 721

Radicals by Design, 735

**Perfluoroalkyl HBC**

Hexa-*peri*-hexabenzocoronenes – Controlling their Self-Assembly by Engineering the Lateral Substituents, 967

**Permeation liquid membrane**

Highlights of Analytical Chemistry in Switzerland: Analytical Concepts and Tools for Speciation Studies, 170

**Peroxy lipids**

Lipidomics and Free Radical Modifications of Lipids, 713

**Persistent organic pollutants**

Brominated Flame Retardants – Endocrine-Disrupting Chemicals in the Swiss Environment, 352

**PGS**

Polymer and Colloid Chemistry in Switzerland, 773

**Phosphanes**

A Simple Straightforward Synthesis of Phenylphosphane and the Photoinitiator Bis(mesityl)phenylphosphane Oxide (IR-GACURE 819), 18

**Phosphine ligands**

Catalytic Activity of bis-Phosphine Ruthenium(II)-Arene Compounds, 217

**Phosphorus**

A Simple Straightforward Synthesis of Phenylphosphane and the Photoinitiator Bis(mesityl)phenylphosphane Oxide (IR-GACURE 819), 18

**Photochemistry**

Grammaticakis-Neumann Prize 2007: Artificial Molecular Machines Powered by Light, 204

**Photocrosslinkable DMI-polymers**

The Odyssey of a Polymer Chemist in Switzerland, 847

**Photofragmentation**

Effects of N-Terminus Substitution on the Structure and Spectroscopy of Gas-Phase Helices, 240

**Photoinitiators**

A Simple Straightforward Synthesis of Phenylphosphane and the Photoinitiator Bis(mesityl)phenylphosphane Oxide (IR-GACURE 819), 18

**Phthalates**

PPAR Disruption: Cellular Mechanisms and Physiological Consequences, 340

**Phytase**

Synthetic Pores as Sensors: Focus on Zinc Filters for IP7 and Phytate Contents in Lentils, Almonds, and Soybeans, 215

**Pigeon cameras**

Applications of Micro-Raman Spectroscopy in Cultural Heritage – Examples from the Laboratory of Conservation Research of the

- Collections Centre of the Swiss National Museums, 882
- Pigment**  
Mobile Micro-X-ray Fluorescence Analysis (XRF) on Medieval Paintings, 887
- Plant metabolism**  
Highlights of Analytical Chemistry in Switzerland: Plant Metabolomics – Strategies for Biomarker Detection, Isolation, and Identification, 685
- Plasma**  
Miniaturized Cold Atmospheric Plasma for the Conservation of Plastics in Modern and Contemporary Art, 877
- Poly(2-methyl-2-oxazoline)**  
Nonfouling Surface Coatings Based on Poly(2-methyl-2-oxazoline), 264
- Poly(ethylene glycol)**  
Nonfouling Surface Coatings Based on Poly(2-methyl-2-oxazoline), 264
- Polychromy**  
Current Research on Artificial Arsenic Sulphide Pigments in Artworks: A Short Review, 903
- Polyelectrolyte**  
Modulating the Reactivity of Electrode Surfaces by Electrostatic Assembly of Metal Nanoparticles and Quantum Dots, 841
- Polyketides**  
Preparation and Synthetic Applications of 8-Oxabicyclo[3.2.1]oct-6-en-3-one Derivatives, 221
- Polymer and colloid chemistry**  
Editorial: Polymers and Colloid Division, 772  
Polymer and Colloid Chemistry in Switzerland, 773
- Polymer brush**  
Nonfouling Surface Coatings Based on Poly(2-methyl-2-oxazoline), 264  
Biofunctional and Biomimetic Polymer Brushes Prepared *via* Surface-Initiated Atom Transfer Radical Polymerization, 793
- Polymer synthesis**  
Polymers Going Rigid, Thick, and Laterally Infinite, 776
- Polymer therapeutics**  
Conference Report: Drug Targeting: Mini-Symposium of the Division for Medicinal Chemistry (DMC) of the Swiss Chemical Society (SCS), at the Department of Chemistry, University of Basel, May 29, 2008, 918
- Polymeric micelles**  
Colloidal Drug Delivery Systems – Recent Advances with Polymeric Micelles, 832
- Polypropionate antibodies**  
Total Asymmetric Synthesis of Glycomimetics and Polypropionates of Biological Interest, 519
- Pores**  
CD Methods Development at the Bio-Nano Interface, 493
- Positions**  
Results of the Consensus Platforms: Positions and Recommendations Derived from Scientific Findings in a Joint Effort of Academics, Industry, and Authorities, 432
- PPAR**  
PPAR Disruption: Cellular Mechanisms and Physiological Consequences, 340
- Practicality**  
Catalytic Methods for Direct Access to Chiral High-Added-Value Products, 497
- Precambrian/Cambrian boundary**  
Highlights of Analytical Chemistry in Switzerland: Mass Extinction and Mass Spectrometry: Pursuing the Fate of the Earliest Multicellulars, 981
- Prelog Medal**  
Prelog Medal 2007 – Laudatio for Scott Denmark, 35
- Preventive conservation**  
Applications of Micro-Raman Spectroscopy in Cultural Heritage – Examples from the Laboratory of Conservation Research of the Collections Centre of the Swiss National Museums, 882
- Process development**  
Strategies for Accelerating the Development of Catalytic Enantioselective Reactions, 476
- Prodrug**  
Conference Report: Drug Targeting: Mini-Symposium of the Division for Medicinal Chemistry (DMC) of the Swiss Chemical Society (SCS), at the Department of Chemistry, University of Basel, May 29, 2008, 918
- Protein epitope mimetics**  
UZH: Alma Mater and Birthplace of Polyphor Ltd, 154
- Protein microarrays**  
Biofunctional and Biomimetic Polymer Brushes Prepared *via* Surface-Initiated Atom Transfer Radical Polymerization, 793
- Protein structure determination**  
Swiss Science Concentrates, 439
- Proteomics**  
Microchip Isoelectric Focusing Applications, 244
- Proton transfer reactions**  
Exploring Deprotonation Reactions on Peptides and Proteins at Atmospheric Pressure by Electro-Sonic Spray Ionization-Mass Spectrometry (ESSI-MS), 282
- Proton-coupled electron transfer**  
Swiss Science Concentrates, 859
- Public health**  
Conference Report: RheManTec 2007 – Joint Swiss – South African Research Symposium down the Manganese Triad, 41
- PUFA**  
Highlights of Analytical Chemistry in Switzerland: Impact of the Altitude of Pasture on Fatty Acid Composition of Milk, 43
- Pyridothiazine pyrophosphate**  
Swiss Science Concentrates, 750
- Quantum dots**  
Modulating the Reactivity of Electrode Surfaces by Electrostatic Assembly of Metal Nanoparticles and Quantum Dots, 841
- Radicals**  
Stereoselective Radical Translocations, 510  
Biomimetic Chemistry on Tandem Protein/Lipid Damages under Reductive Radical Stress, 721  
Radicals by Design, 735
- Radiolysis**  
Biomimetic Chemistry on Tandem Protein/Lipid Damages under Reductive Radical Stress, 721
- Raman optical activity forward scattering  
Raman Optical Activity: A Reliable Chiroptical Technique, 482
- Reactive carbon species**  
Biologically Relevant Small Radicals, 704
- Reactive nitrogen species**  
Biologically Relevant Small Radicals, 704
- Reactive oxygen species**  
Biologically Relevant Small Radicals, 704
- Reactive sulfur species**  
Biologically Relevant Small Radicals, 704
- Realgar**  
Current Research on Artificial Arsenic Sulphide Pigments in Artworks: A Short Review, 903
- Recommendations**  
Results of the Consensus Platforms: Positions and Recommendations Derived from Scientific Findings in a Joint Effort of Academics, Industry, and Authorities, 432
- Reductive stress**  
Biomimetic Chemistry on Tandem Protein/Lipid Damages under Reductive Radical Stress, 721
- Regio- and stereoselective bromine migration**  
Highlights of Analytical Chemistry in Switzerland: Hexabromocyclododecanes: From Smart Molecules to Persistent Pollutants, 936
- RheManTec**  
Conference Report: RheManTec 2007 – Joint Swiss – South African Research Symposium down the Manganese Triad, 41
- River water**  
Estrogens in Swiss Rivers and Effluents – Sampling Matters, 389
- Rotaxane**  
Grammaticakis-Neumann Prize 2007: Artificial Molecular Machines Powered by Light, 204
- Runoff**  
Environmental Exposure to Estrogenic and other Myco- and Phytotoxins, 364
- Ruthenium**  
Catalytic Activity of bis-Phosphine Ruthenium( $\pi$ )-Arene Compounds, 217
- Samarium diiodide**  
Radicals by Design, 735
- Sample archives**  
Tracing Chemical Genealogy Through the Archives of the Institute of Organic Chemistry at the University of Zurich, 126
- Scanning electron microscopy**  
FH – HES: Nanoparticulate Systems: A New Competence Platform at the University of Applied Sciences Northwestern Switzerland (FHNW), 441
- Scanning tunneling microscope**  
Expression and Amplification of Chirality in Two-Dimensional Molecular Crystals, 471
- Schmid, Hans**  
Years with Hans Schmid, 132
- Scientific excellence**  
Professor Hans Schmid's Passion for Chemistry – Reminiscences of a PhD Student, 142

**SCS Foundation**

Interview: Prof. Dr. Georg Fráter, 753

**SCS Mettler-Toledo Award**

Editorial, 197

**Self-assembled monolayers**

Highlights in Polymer and Colloid Chemistry: Probing the Diffuse Layer of Modified Electrodes by Direct Force Measurements, 937

**Self-assembly**

Hexa-*peri*-hexabenzocoronenes – Controlling their Self-Assembly by Engineering the Lateral Substituents, 967

**Semen**

First Evaluation of Human Sperm Quality in Various Geographic Regions of Switzerland, 395

**Sensitivity**

Highlights of analytical Chemistry in Switzerland: Calibrating Sensitive Analytical Instruments – or How Much is ‘Zero’? 751

**Sewage sludge granules**

Thermal Runaway of Dried Sewage Sludge Granules in Storage Tanks, 29

**Sewage treatment**

Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects, 376

**Shrinkage temperature**

The Chemical Degradation of Leather, 899

**Signaling pathways**

Biologically Relevant Small Radicals, 704

**Silica**

FH – HES: Nanoparticulate Systems: A New Competence Platform at the University of Applied Sciences Northwestern Switzerland (FHNW), 441

**Silver coordination chemistry**

Antimicrobial Coatings for Implant Surfaces, 249

**Sleep-wake cycle**

Orexin Receptor Antagonism: A New Principle in Neuroscience, 974

**Small angle X-ray scattering**

Concentration Profiles of Colloidal Fluids in One-dimensional Confinement, 789

**Sodium**

A Simple Straightforward Synthesis of Phenylphosphane and the Photoinitiator Bis(mesityl)phenylphosphane Oxide (IR-GACURE 819), 18

**Soft nanotechnology**

Soft Nanotechnology – from Colloid Physics to Nanostructured Functional Materials, 805

**Sol-gel**

Coatings and Aerogels Based on Sol-Gel Processes, 815

**Solid phase extraction**

Dr. Max Lüthi Award 2007: Analysis of Amphetamine Derivatives in Plasma Using Capillary Zone Electrophoresis Coupled with Laser-Induced Fluorescence after Derivatization on Solid-Phase Extraction Support, 210

**Solid-phase**

Automated Synthesis of Oligosaccharides Provides Access to Chemical Tools and Vaccine Candidates, 8

**Solid-phase synthesis**

Towards Magnetic Molecule and Reagent

Separation in Organic Synthesis: Development and Use of Covalently Functionalized Nanomagnets, 13

**Solid-state NMR**

Swiss Science Concentrates, 935

**Solution-binding affinity**

Identification of Endocrine-Disrupting Compounds Using Nano-electrospray Ionization Mass Spectrometry, 329

**Solvias ligands**

Strategies for Accelerating the Development of Catalytic Enantioselective Reactions, 476

**Somatostatin analogue**

Swiss Science Concentrates, 300

**Sonogashira coupling**

Lead-Discovery of bis-Aromatic Alkynes: A Novel Class of Herbicides, 23

**Sperm count**

First Evaluation of Human Sperm Quality in Various Geographic Regions of Switzerland, 395

**Sphingobium xenophagum Bayram**

*ipso*-Substitution – A Novel Pathway for Microbial Metabolism of Endocrine-Disrupting 4-Nonylphenols, 4-Alkoxyphenols, and Bisphenol A, 358

 **$\pi$ -Stacking**

Hexa-*peri*-hexabenzocoronenes – Controlling their Self-Assembly by Engineering the Lateral Substituents, 967

**Standard gas mixture**

Highlights of analytical Chemistry in Switzerland: Calibrating Sensitive Analytical Instruments – or How Much is ‘Zero’? 751

**Stereochemistry**

Prelog Lecture: Asymmetric Catalysis with Chiral Lewis Bases: A New Frontier in Main Group Chemistry, 35

Stereoselective Radical Translocations, 510

Conference Report: The 43rd EUCHEM Conference on Stereochemistry (Bürgenstock Conference 2008) FÜRIGEN, April 12–18, 2008, 525

**Stress ecology**

Highlights of Analytical Chemistry in Switzerland: Does Ski Tourism Affect Alpine Bird Fauna? 301

**Stress-induced metabolites**

Highlights of Analytical Chemistry in Switzerland: Plant Metabolomics – Strategies for Biomarker Detection, Isolation, and Identification, 685

**Structure elucidation**

Highlights of Analytical Chemistry in Switzerland: Hexabromocyclododecanes: From Smart Molecules to Persistent Pollutants, 936

**Structure-activity relations**

Highlights of Analytical Chemistry in Switzerland: Hexabromocyclododecanes: From Smart Molecules to Persistent Pollutants, 936

**Subcomponent self-assembly**

Werner Prize 2007: From Simplicity to Complexity via Subcomponent Self-Assembly, 198

**Substituted polylactides**

Colloidal Drug Delivery Systems – Recent Advances with Polymeric Micelles, 832

**Superparamagnetic nanoparticles**

Swiss Science Concentrates, 980

**Supramolecular assembly**

Inducing Helical Chirality by Deforming Hexanuclear Metalloprismatic Structures, 514

**Supramolecular chemistry**

Grammaticakis-Neumann Prize 2007: Artificial Molecular Machines Powered by Light, 204

**Supramolecular function**

CD Methods Development at the Bio-Nano Interface, 493

**Surface**

Coatings and Aerogels Based on Sol-Gel Processes, 815

Chiral Metal Surfaces and Nanoparticles, 465

**Surface coatings**

Antimicrobial Coatings for Implant Surfaces, 249

**Surface water**

Integrative Risk Assessment of Endocrine Disruptors in Switzerland, 417

**Surface-initiated polymerization**

Biofunctional and Biomimetic Polymer Brushes Prepared *via* Surface-Initiated Atom Transfer Radical Polymerization, 793

**Suzuki polycondensation**

Polymers Going Rigid, Thick, and Laterally Infinite, 776

**Swiss Chemical Society**

SCG-Jahresbericht 2007, 49

Editorial, 196

Editorial: Invitation to Attend the Fall Meeting of the Swiss Chemical Society in Zurich, on Thursday, September 11, 2008, 540

Interview: Prof. Dr. Georg Fráter, 753

Protokoll der 18. Generalversammlung der SCG vom 11. September 2008 an der Universität Zürich, 863

Bericht zur Jahresrechnung und Bilanz 2007, 864

**Swiss students**

A Bronze Medal for Switzerland at the 40th International Chemistry Olympiad 2008 in Budapest, 982

**Switzerland**

First Evaluation of Human Sperm Quality in Various Geographic Regions of Switzerland, 395

**Synthetic pores**

Synthetic Pores as Sensors: Focus on Zinc Filters for IP7 and Phytate Contents in Lentils, Almonds, and Soybeans, 215

**TCDD**

Genetic Reprogramming of Human Mammary Cells by Environmental Carcinogens Released into Breast Milk, 410

**Technical process**

Strategies for Accelerating the Development of Catalytic Enantioselective Reactions, 476

**Testis**

Diethylstilbestrol Action on Leydig Cell Function and Testicular Descent, 401

**Tetrasubstituted olefins**

Recent Progress in Iridium-Catalyzed Enantioselective Hydrogenation: Tetrasubstituted Olefins and Polyenes, 506

**Thymine**

Synthesis of Bicyclo-DNA Nucleosides with Additional Functionalization in the Carbocyclic Ring, 270

**Thymine dimer**

Swiss Science Concentrates, 439

**Trace gas analysis**

Highlights of Analytical Chemistry in Switzerland: Calibrating Sensitive Analytical Instruments – or How Much is ‘Zero’? 751

**Trans fatty acids**

Lipidomics and Free Radical Modifications of Lipids, 713

**Transfer hydrogenation**

Swiss Science Concentrates, 529

**Treated sewage effluent**

Estrogens in Swiss Rivers and Effluents – Sampling Matters, 389

**Triacetone triperoxide assay**

Swiss Science Concentrates, 935

**Triangular prism**

Inducing Helical Chirality by Deforming Hexanuclear Metalloprismatic Structures, 514

**Trichothecenes**

Environmental Exposure to Estrogenic and other Myco- and Phytotoxins, 364

**Tricyclo-DNA**

Synthesis of Bicyclo-DNA Nucleosides with Additional Functionalization in the Carbocyclic Ring, 270

**(Trifluoromethyl)phosphine**

Recent Advances in Electrophilic CF<sub>3</sub>-Transfer Using Hypervalent Iodine(III) Reagents, 260

**Trifluoromethylthio ether**

Recent Advances in Electrophilic CF<sub>3</sub>-Transfer Using Hypervalent Iodine(III) Reagents, 260

**α-Tocopherol**

Swiss Science Concentrates, 935

**Two-center-three-electron bonds**

Stabilization and Reactions of Sulfur Radical Cations: Relevance to One-Electron Oxidation of Methionine in Peptides and Proteins, 728

**Two-direction chain elongation**

Preparation and Synthetic Applications of 8-Oxabicyclo[3.2.1]oct-6-en-3-one Derivatives, 221

**Ultraviolet spectroscopy**

Effects of N-Terminus Substitution on the Structure and Spectroscopy of Gas-Phase Helices, 240

**Unimolecular reaction dynamics**

Vibrational Predissociation in Hydrogen Bonded Dimers: The Case of (HF)<sub>2</sub> and its Isotopomers, 235

**University of Zurich**

UZH: Alma Mater and Birthplace of Polyphor Ltd, 154

**UPLC**

Swiss Science Concentrates, 300

**UPLC-TOF-MS**

Highlights of Analytical Chemistry in Switzerland: Plant Metabolomics – Strategies for Biomarker Detection, Isolation, and Identification, 685

**Uterus**

Diethylstilbestrol Action on Leydig Cell Function and Testicular Descent, 401

**UV**

Highlights of Analytical Chemistry in Switzerland: Deep-UV Detector for HPLC with Light-Emitting Diode, 860

**UV filters**

Endocrine Active UV Filters: Developmental Toxicity and Exposure Through Breast Milk, 345

UV Filters in the Aquatic Environment Induce Hormonal Effects and Affect Fertility and Reproduction in Fish, 368

**Varnish**

Dammar Resin Degradation Revisited, 913

**Vegetable tanned leather**

The Chemical Degradation of Leather, 899

**Vibrational circular dichroism**

Chiral Metal Surfaces and Nanoparticles, 465

**Virtual enantiomer**

Raman Optical Activity: A Reliable Chiroptical Technique, 482

**VirtualToxLab**

*VirtualToxLab* – *in silico* Prediction of the Endocrine-Disrupting Potential of Drugs and Chemicals, 322

**Voltammetry**

Highlights of Analytical Chemistry in Switzerland: Analytical Concepts and Tools for Speciation Studies, 170

**Waste Disposal**

Thermal Runaway of Dried Sewage Sludge Granules in Storage Tanks, 29

**Wennemers, Helma**

“Je mehr ich über die Natur weiss, desto stärker fällt mir auf, wie wenig ich darüber

weiss“ Interview mit Helma Wennemers, Universität Basel, 47

**Werner, Alfred**

150 Years of Chemistry at the University of Zurich, 75

In the Footsteps of Alfred Werner: The Institute of Inorganic Chemistry at the University of Zurich, 111

**Whey protein aggregates**

Colloids in Milk Products, 783

**Whole-column imaging detection**

Microchip Isoelectric Focusing Applications, 244

**Winter snow sports**

Highlights of Analytical Chemistry in Switzerland: Does Ski Tourism Affect Alpine Bird Fauna? 301

**X-ray diffraction**

Concentration Profiles of Colloidal Fluids in One-dimensional Confinement, 789

**X-ray fluorescence**

Mobile Micro-X-ray Fluorescence Analysis (XRF) on Medieval Paintings, 887

**Xenobiotics**

Disruption of Glucocorticoid and Mineralocorticoid Receptor-Mediated Responses by Environmental Chemicals, 335

**Zero air generator**

Highlights of Analytical Chemistry in Switzerland: Calibrating Sensitive Analytical Instruments – or How Much is ‘Zero’? 751

**Zinc**

Formation of All-Carbon Quaternary Centers by Copper-Catalyzed Asymmetric Conjugate Addition, 461

**Zipper assembly**

Swiss Science Concentrates, 169

**Zurich University of Applied Sciences**

FH – HES: Chemie studieren am Institut für Chemie und Biologische Chemie (ICBC) der Zürcher Hochschule für Angewandte Wissenschaften in Wädenswil, 171



