

International Journal for Chemistry

and

Official Membership Journal

of the Swiss Chemical Society (SCS)
and its Divisions

Divisions

Analytical Sciences	www.scg.ch/das
Fundamental Research	www.scg.ch/dfr
Industrial & Applied Chemistry	www.scg.ch/diac
Medicinal Chemistry & Chemical Biology	www.scg.ch/dmccb
Polymers, Colloids & Interfaces	www.scg.ch/dpci
Chemical Education	www.scg.ch/dce

Associated Society Members

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

VOL. 73 (2019)

Editorial Board

O. Baudoïn, Basel
M. P. Brändle, Zürich
C. E. Housecroft, Basel
M. Koller, Köniz
E. P. Kündig, Geneva
R. Marti, Fribourg
M. G. Schläpfer, Basel
J. Stohner, Wädenswil
S. Sulzer-Mosse, Stein

Advisory Board

F. Merkt, Zürich (former DFR)
K.-H. Altmann, Zürich (DMCCB)
W. Jucker, Sisseln (DIAC)
G. Hopfgartner, Genève (DAS)
A. Bäiker, Zürich
J. Bode, Zurich
E. Felder, Basel
K. Hungerbühler, Zürich
H.-A. Klok, Genève
C. Leumann, Bern
F. Marechal, Lausanne
V. R. Meyer, St. Gallen
M. Missbach, Basel
C. Nevado, Zurich
T. Weller, Allschwil

Editor-in-Chief

Prof. E. P. Kündig
University of Geneva
Department of Chemistry
30 Quai Ernest Ansermet
CH-1211 Geneva 4
E-Mail: Peter.Kundig@unige.ch

Chairperson

Dr. Gillian Harvey
Johanna-Hodel-Gasse 5
CH-6005 Luzern
Tel.: +41 44 262 65 46
E-Mail: chimia.tr@bluewin.ch

Managing Editor

Dr. Manuel Koller
Fuhrenstrasse 16
CH-3098 Schliern b. Köniz
Tel.: +41 31 971 58 48
Mobile: +41 79 596 71 02
E-Mail: koller_manuel@bluewin.ch

Associate Editor

Prof. Catherine E. Housecroft
Department of Chemistry
University of Basel
BPR 1096, Mattenstrasse 24a
CH-4058 Basel
E-Mail: catherine.housecroft@unibas.ch

Technical Editor

Dr. Gillian Harvey
CHIMIA Technische Redaktion
Johanna-Hodel-Gasse 5
CH-6005 Luzern
Tel.: +41 44 262 65 46
E-Mail: chimia.tr@bluewin.ch

Design and Production, Printing and Mailing

FO-Zürisee
Gewerbstrasse 18
CH-8132 Egg bei Zürich
Tel.: +41 44 928 53 53
Fax: +41 44 928 53 54
E-Mail: info@fo-zuerisee.ch, www.fo-zuerisee.ch

Advertisements and CHIMIA-Report

Swiss Chemical Society
David Spichiger, Head Office
Haus der Akademien
Laupenstrasse 7
Postfach
CH-3001 Bern
Tel.: +41 31 306 92 92
E-Mail: info@scg.ch, www.scg.ch

Copyright by

Swiss Chemical Society
www.scg.ch

Frequency: Monthly

Annual Personal Subscription 2019

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 2019

World Wide (printed plus electronic edition) CHF 520.–
World Wide (e-only edition) CHF 480.–

Single Issues

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

Single Articles

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

Member and Subscriber Services

Swiss Chemical Society
Haus der Akademien
Laupenstrasse 7, Postfach
CH-3001 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

David Spichiger
Swiss Chemical Society
Haus der Akademien
Laupenstrasse 7
Postfach
CH-3001 Bern
Tel.: +41 31 306 92 91
E-Mail: info@scg.ch
www.scg.ch

Author Index

CHIMIA 73 (2019)

- Abram, S., see *Fromm, K. M.*, 12
- Abram, U., *Alberto, R.*, Medicinal Chemistry and Chemical Biology Highlights: Technetium - Unstable in the Middle of the Periodic Table, 207
- Adlhart, C., see *Brodard, P.*, 645
- Aebbersold, R., *Blattmann, P.*, Mass Spectrometric Exploration of the Biochemical Basis of Living Systems - Paracelsus Prize 2018, 540
- Afroz, T., see *Polymenidou, M.*, 380
- Alberto, R., *Abram, U.*, Medicinal Chemistry and Chemical Biology Highlights: Technetium - Unstable in the Middle of the Periodic Table, 207
- Alberto, R., *Lüthi, H. P.*, Welcome to the 2019 Fall Meeting of the Swiss Chemical Society (SCS), 605
- Alberto, R., see *Probst, B.*, *Gurdal, Y.*, 906
- Albrecht, M., *Melle, P.*, Ruthenium Complexes with PYA Pincer Ligands for Catalytic Transfer Hydrogenation of Challenging Substrates, 299
- Alinejad, S., see *Broekmann, P.*, *Arenz, M.*, 922
- Alizadeh, M., see *Kilbinger, A. F. M.*, 25
- Allain, F., *Mühlemann, O.*, Editorial: NCCR RNA & Disease, 353
- Allain, F. H.-T., *Cléry, A.*, *Gillioz, L.*, *Nguyen, C. K. X.*, A Step-by-Step Guide to Study Protein-RNA Interactions, 406
- Allenspach, M. D., see *Steuer, C.*, 330
- Amstad, E., *Du, H.*, *Steiner, U.*, Nacre-inspired Hard and Tough Materials, 29
- Amstutz, V., see *Zinn, M.*, 841
- Anastasaki, A., *Whitfield, R.*, *Truong, N. P.*, Polymer and Colloid Highlights: Sequence-controlled Polymers via Controlled Radical Polymerization, 331
- Apebende, E. A., see *Burns, N.*, 21
- Arenz, M., *Broekmann, B.*, *Dutta, A.*, *Bizzotto, F.*, *Quinson, J.*, *Zana, A.*, *Morstein, C. E.*, *Rahaman, M.*, *Cedeño López, A.*, Catalyst Development for Water/CO₂ Co-electrolysis, 707
- Arenz, M., *Broekmann, P.*, *de Jesús Gálvez-Vázquez, M.*, *Alinejad, S.*, *Hu, H.*, *Hou, Y.*, *Moreno-García, P.*, *Zana, A.*, *Wiberg, G. K. H.*, Testing a Silver Nanowire Catalyst for the Selective CO₂ Reduction in a Gas Diffusion Electrode Half-cell Setup Enabling High Mass Transport Conditions, 922
- Aronoff, M. R., see *Wenemers, H.*, 308
- Arús-Pous, J., see *Reymond, J.-L.*, 1018
- Auberson, Y., Medicinal Chemistry and Chemical Biology Highlights: An Element of Community: EFMC, The European Federation of Medicinal Chemistry, 93
- Awale, M., see *Reymond, J.-L.*, 1018
- Backes, C., Ten Years of Liquid-phase Exfoliation of Layered Crystals – A Bright Future ahead? 498
- Bakker, E., *Citterio, D.*, *Soda, Y.*, Highlights of Analytical Sciences in Switzerland: Equipment-free Detection of K⁺ on Paper, 944
- Balkenende, D. W. R., see *Schrettl, S.*, *Weder, C.*, 7
- Bartel, J., see *Kübler, E.*, 422
- Battilocchio, C., *Godineau, E.*, Editorial: Continuous Flow Chemistry – Industry and Academia Perspectives, 789
- Battilocchio, C., *Godineau, E.*, *Lal, M.*, Building up a Continuous Flow Platform as an Enabler to the Preparation of Intermediates on Kilogram Scale, 828
- Baudoin, O., *Baumgartner, Y.*, *Niggli, N.*, *Savary, D.*, *Thesmar, P.*, Swiss Science Concentrates, 329, 415, 503, 634, 758, 835, 943, 1032
- Beck, A., see *Boero, G.*, 635
- Becker, M. A., see *Stöferle, T.*, *Kovalenko, M. V.*, 92
- Benfatti, F., Medicinal Chemistry and Chemical Biology Highlights: Peptides from Spider Venoms: A Natural Source of Bioinsecticides, 505
- Berk, C., see *Hall, J.*, 368
- Bernasconi, S. M., see *Mohn, J.*, 232
- Bernhard, S., see *Tibbitt, M. W.*, 1034
- Bizzotto, F., see *Arenz, M.*, *Broekmann, B.*, 707
- Blacker, A. J., see *Bourne, R. A.*, 817
- Blattmann, P., see *Aebbersold, R.*, 540
- Bleiner, D., see *Schinkel, L.*, 504
- Bleiziffer, P., see *Riniker, S.*, 1024
- Blondel, D., see *Lutolf, M. P.*, 81
- Bochet, C. G., On the Sustainability of Photochemical Reactions, 720
- Bochet, C. G., *Renaud, P.*, *Lüthi, H. P.*, Conference Report: Swiss Summer School ‘Trends in Organic Synthesis’ Villars-sur-Ollon, August 18–22, 2019, 950
- Bodi, A., see *Hemberger, P.*, 210
- Bodnarchuk, M. I., see *Stöferle, T.*, *Kovalenko, M. V.*, 92
- Boero, G., *Grisi, M.*, *Montinaro, E.*, *Vincent, F.*, *Pethö, L.*, *Letizia, M. C.*, *Volpe, B.*, *Harris, N.*, *Beck, A.*, *Guidetti, R.*, *Gijs, M.*, *Michler, J.*, *Brugger, J.*, Highlights of Analytical Sciences in Switzerland: CMOS and 3D Printing for NMR Spectroscopy at the Single Embryo Scale, 635
- Boghossian, A. A., *Wu, S.-J.*, Analytical Approaches for Monitoring DNA-Protein Interactions, 283
- Bolat, S., see *Schift, H.*, 636
- Borkovec, M., *Kozhuharov, S.*, *Maroni, P.*, In situ Imaging of Single Polyelectrolyte Chains with the Atomic Force Microscope, 17
- Börner, R., see *Steffen, F. D.*, *Sigel, R. K. O.*, 257
- Böselt, L., see *Riniker, S.*, 1024
- Bouaita, B., see *Oufir, M.*, 206
- Bourne, R. A., *Manson, J. A.*, *Clayton, A. D.*, *Gonzalez Niño, C.*, *Labes, R.*, *Chamberlain, T. W.*, *Blacker, A. J.*, *Kapur, N.*, A Hybridised Optimisation of an Automated Photochemical Continuous Flow Reactor, 817
- Bourquin, C., Bionanomaterials for the Delivery of Cancer Immunotherapy, 69
- Bourquin, J., see *Petri-Fink, A.*, 55
- Bouwmeester, H., see *De Mesmaeker, A.*, 549
- Bovone, G., see *Tibbitt, M. W.*, 1034
- Braun, A., *Chen, Q.*, *Yelon, A.*, Hole and Protonic Polarons in Perovskites, 936
- Braun, A., *Toth, R.*, Conference Report: Swiss Stakeholder Workshop for the SUNRISE H2020 FET-Flagship Project, 952
- Bravo-Veyrat, S., see *Hopfgartner, G.*, 416
- Brodard, P., *Dabros, M.*, *Marti, R.*, *Vanoli, E.*, *Zinn, M.*, *Frey, U.*, *Adlhart, C.*, *Kind, L.*, *Koch, F.*, *Burgio, F.*, *Stenqvist, J.*, *Saxer, S.*, *Pieles, U.*, *Shahgaldian, P.*, *Wendeborn, S.*, FHHES Universities of Applied Sciences: Materials Science at Swiss Universities of Applied Sciences, 645
- Brodard, P., Conference Report: Annual Meeting of the Swiss Society for Thermal Analysis and Calorimetry (STK), 2019, May 15, 2019 at ARMASUISSE, General Herzog Haus, CH-3602 Thun, Switzerland, 770
- Brodmann, P., see *Kübler, E.*, 422
- Broekmann, B., *Arenz, M.*, *Dutta, A.*, *Bizzotto, F.*, *Quinson, J.*, *Zana, A.*, *Morstein, C. E.*, *Rahaman, M.*, *Cedeño López, A.*, Catalyst Development for Water/CO₂ Co-electrolysis, 707
- Broekmann, P., *Arenz, M.*, *de Jesús Gálvez-Vázquez, M.*, *Alinejad, S.*, *Hu, H.*, *Hou, Y.*, *Moreno-García, P.*, *Zana, A.*, *Wiberg, G. K. H.*, Testing a Silver Nanowire Catalyst for the Selective CO₂ Reduction in a Gas Diffusion Electrode Half-cell Setup Enabling High Mass Transport Conditions, 922
- Brogli, R., see *Schneider, A.*, *Polacek, N.*, 395
- Brugger, J., see *Boero, G.*, 635
- Buller, R., *Papadopoulou, A.*, *Hecht, K.*, Enzymatic PET Degradation, 743
- Burden, A. M., Pharmacoepidemiology and Big Data Analytics: Challenges and Opportunities when Moving towards Precision Medicine, 1012
- Burgio, F., see *Brodard, P.*, 645
- Burnand, D., see *Petri-Fink, A.*, 55
- Burns, N., *Rifaie-Graham, O.*, *Apebende, E. A.*, Bio-Inspired Polymersome Nanoreactors, 21
- Calvino, C., see *Schrettl, S.*, *Weder, C.*, 7
- Campomanes, P., see *Vanni, S.*, 78
- Campos-Giménez, E., *Oberson, J.-M.*, Highlights of Analytical Sciences in Switzerland: Fat-soluble Vitamins in Foods: Analysis by Supercritical Fluid Chromatography Coupled to Mass Spectrometry, 836
- Canonica, E., see *Schinkel, L.*, 504
- Capper, S., see *Weder, C.*, 86
- Čavlović, D., *Juriček, M.*, Molecular Magnetic Switches, 313
- Cedeño López, A., see *Arenz, M.*, *Broekmann, B.*, 707
- Cerioti, M., *Musil, F.*, Machine Learning at the Atomic Scale, 972
- Chamberlain, T. W., see *Bourne, R. A.*, 817
- Chapuis, C., *Skuy, D.*, *Richard, C.-A.*, Syntheses of Methyl Jasmonate and Analogues, 194
- Chappuis, T., *Hengsberger, S.*, *Leignel, G.*, *Véron du Breuil, E.*, *Cotting, C.*, *Mewly, R.*, *Dutoit, J.-M.*, FHHES Universities of Applied Sciences: Microparticles as Additives for Increasing the Mechanical Stiffness of Polypropylene, 1039
- Chen, Q., *Yelon, A.*, *Braun, A.*, Hole and Protonic Polarons in Perovskites, 936

- Chen, Y., see Ley, S. V., 792
 CHIMIA, CHIMIA News, 1
 CHIMIA, Instructions to Authors 2019, 2
 CHIMIA, Corrigendum: CHIMIA 2019, 73, 571–580, 850
 Christensen, A. S., see von Lilienfeld, O. A., 1028
 Citterio, D., Bakker, E., Soda, Y., Highlights of Analytical Sciences in Switzerland: Equipment-free Detection of K⁺ on Paper, 944
 Clayton, A. D., see Bourne, R. A., 817
 Cléry, A., Allain, F. H.-T., Gillioz, L., Nguyen, C. K. X., A Step-by-Step Guide to Study Protein–RNA Interactions, 406
 Comas-Vives, A., see Foppa, L., 239
 Conder, J., see Hee Kwon, N., Fromm, K. M., 880
 Constable, E. C., see Housecroft, C. E., 462
 Constable, E. C., Chemical Education: The Short and Sad Life of Helvetium – an Element that Never Was, 507
 Constable, E. C., Chemical Education: From Glyph to Element Symbol - A Story of Names, 837
 Constable, E. C., Housecroft, C. E., Editorial: Materials for Energy Conversion, 865
 Contu, L., see Thiel, V., Mühlemann, O., 374
 Copéret, C., Gordon, C. P., Chemical Shift Tensors – Why Should We Care? 252
 Corminboeuf, C., Gryn'ova, G., Conceptual Framework of Organic Electronics, 245
 Corminboeuf, C., Fabrizio, A., Meyer, B., Fabregat, R., Quantum Chemistry Meets Machine Learning, 983
 Cottens, S., see Sedrani, R., 581
 Cotting, C., see Hengsberger, S., Chappuis, T., 1039
 Cougnon, F. B. L., Pazos, E., Conference Report: The 54th Conference on Stereochemistry: Bürgenstock Conference 2019, Brunnen, May 5 – 9, 2019, 511
 Cramer, N., Grosheva, D., Exploitation of Unconventional Electrophiles in Enantioselective Pd(0)-Catalyzed C–H Functionalizations, 262
 Creus, M., see Rossel, T., 599
 Crippa, F., see Petri-Fink, A., 51
 Crippa, F., see Petri-Fink, A., 55
 Dabros, M., see Brodard, P., 645
 de Jesús Gálvez-Vázquez, M., see Broekmann, P., Arenz, M., 922
 De Matos, M., see Pascolo, S., 391
 De Mesmaeker, A., Editorial: SCS laureates and Awards & Fall Meeting 2019, 537
 De Mesmaeker, A., Screpanti, C., Fonné-Pfister, R., Lachia, M., Lumbroso, A., Bouwmeester, H., Design, Synthesis and Biological Evaluation of Strigolactone and Strigolactam Derivatives for Potential Crop Enhancement Applications in Modern Agriculture - Sandmeyer Award 2018, 549
 di Giannantonio, M., see Schrettl, S., Weder, C., 7
 Di Silvestro, A., see Mayor, M., 455
 Dong, R., see Feng, X., 480
 Du, H., see Amstad, E., 29
 Du, Y., see Luterbacher, J. S., 698
 Dufresne, E. R., Sai, T., Wilts, B. D., Sicher, A., Steiner, U., Scheffold, F., When Black and White Make Green: the Surprising Interplay of Structure and Pigments, 47
 Dupasquier, J., see Mayer, M., 59
 Dutoit, J.-M., see Hengsberger, S., Chappuis, T., 1039
 Dütsch, H., see Koch, K., 639
 Dutta, A., see Arenz, M., Broekmann, B., 707
 Dyson, P. J., Medicinal Chemistry and Chemical Highlights: Ruthenium – A Non-essential Element that May Become Essential in Treating Chemoresistant Cancers, 332
 Emmenegger, L., see Mohn, J., 232
 Emsley, L., see Milić, J. V., 317
 Ernst, K.-H., Conference Report: Chirality@The Nanoscale Symposium, 1042
 Ertl, P., see Lewis, R. A., 1001
 Escher, F., SCNAT: Chemical Landmark 2018 – Birthplace of Ovomaltine, 107
 Esposito, C., see Riniker, S., 1024
 Fabbri, E., Ferri, D., Pergolesi, D., Energy Conversion Processes with Perovskite-type Materials, 913
 Fabregat, R., see Corminboeuf, C., 983
 Fabrizio, A., see Corminboeuf, C., 983
 Feng, X., Sahabudeen, H., Dong, R., Interfacial Synthesis of Structurally Defined Organic Two-dimensional Materials: Progress and Perspectives, 480
 Fenner, K., The Swiss Chemical Society Establishes a New Section on 'Chemistry and the Environment' (SCE), 644
 Fennouri, A., see Mayer, M., 59
 Ferri, D., Pergolesi, D., Fabbri, E., Energy Conversion Processes with Perovskite-type Materials, 913
 Filella, M., Turner, A., Highlights of Analytical Sciences in Switzerland: Hazardous Plastics in Swiss Lakes? 91
 Filipponi, P., see Venturoni, F., 809
 Fischer, R., see Oetken, M., 945
 Fitzpatrick, D. E., see Ley, S. V., 792
 Fonné-Pfister, R., see De Mesmaeker, A., 549
 Foppa, L., Larmier, K., Comas-Vives, A., What Can We Learn from First Principles Multi-Scale Models in Catalysis? The Role of the Ni/Al₂O₃ Interface in Water-Gas Shift and Dry Reforming as a Case Study, 239
 Freisinger, E., Sigel, R. K. O., The Bioinorganic Periodic Table, 185
 Freisinger, E., see Steffen, F. D., Sigel, R. K. O., 257
 French, L. E., see Pascolo, S., 391
 Frey, U., see Brodard, P., 645
 Fromm, K. M., see Schrettl, S., Weder, C., 7
 Fromm, K. M., Abram, S., Yep, P., Synthesis and Applications of Nanocontainers and Nanorattles, 12
 Fromm, K. M., Hee Kwon, N., Conder, J., Srout, M., Surface Modifications of Positive-Electrode Materials for Lithium Ion Batteries, 880
 Fuchs, J. A., see Steuer, C., 330
 Fürstenberg, T., Kumpulainen, T., Photochemistry Section: SCS Photochemistry Section Meeting – Fribourg, June 14, 2019, 840
 Gallou, F., Editorial: Green and Sustainable Chemistry, 681
 Gallou, F., see Sparr, C., Parmentier, M., 714
 Gallou, F., Onken, U., Koettgen, A., Scheidat, H., Schueepp, P., Environmental Metrics to Drive a Cultural Change: Our Green Eco-Label, 730
 Gao, J., see Grätzel, M., 928
 Gatfield, D., see Pascolo, S., 391
 Geiser, H. C., see Zarn, J. A., 832
 Gerber, S., Editorial: Laureates: Junior Prizes of the SCS Fall Meeting 2018, 229
 Gerber, T., see Hemberger, P., 210
 Gijs, M., see Boero, G., 635
 Gillioz, L., see Cléry, A., Allain, F. H.-T., 406
 Glushkov, E., Radenovic, A., Navikas, V., Fluorescent Nanodiamonds as Versatile Intracellular Temperature Sensors, 73
 Godineau, E., SusChem Switzerland, Phase II, 641
 Godineau, E., Battilocchio, C., Editorial: Continuous Flow Chemistry – Industry and Academia Perspectives, 789
 Godineau, E., Battilocchio, C., Lal, M., Building up a Continuous Flow Platform as an Enabler to the Preparation of Intermediates on Kilogram Scale, 828
 Godt, A., see Ritsch, I., 262
 Gonzalez Niño, C., see Bourne, R. A., 817
 Gordon, C. P., see Copéret, C., 252
 Grätzel, M., see Milić, J. V., 317
 Grätzel, M., Ren, D., Gao, J., Zakeeruddin, S. M., Bimetallic Electrocatalysts for Carbon Dioxide Reduction, 928
 Grisi, M., see Boero, G., 635
 Grisoni, F., see Schneider, G., 1006
 Grosheva, D., see Cramer, N., 262
 Gryn'ova, G., see Corminboeuf, C., 245
 Guelat, B., see Venturoni, F., 809
 Guidetti, R., see Boero, G., 635
 Guillet, F. B., see Oufir, M., 206
 Gurdal, Y., Probst, B., Alberto, R., Iannuzzi, M., [Co^{II}(BPyPy₂COH)(OH₂)₂]²⁺: A Catalytic Pourbaix Diagram and AIMD Simulations on Four Key Intermediates, 906
 Guzzi, E. A., see Tibbitt, M. W., 1034
 Gygax, D., Biotechnet Switzerland: Oreste Ghisalba – ein Nachruf, 99
 Haber, J., see Venturoni, F., 809
 Haeni, L., see Rothen-Rutishauser, B., Scheffold, F., 43
 Haeni, L., see Mayer, M., 59
 Hagemann, H., Perret, D., Laty, G., Conference Report: « Élémentaire ! » – The 2019 Science Contest for Schools in Geneva to Celebrate the International Year of the Periodic Table, 656
 Hagemann, H., Boron Hydrogen Compounds for Hydrogen Storage and as Solid Ionic Conductors, 868
 Hagfeldt, A., Vlachopoulos, N., Photoelectrochemical Cells Based on Dye Sensitization for Electricity and Fuel Production, 894
 Hall, J., Röthlisberger, P., Berk, C., RNA Chemistry for RNA Biology, 368
 Hall, J., Medicinal Chemistry and Chemical Biology Highlights: Phosphorus - Friend of the Medicinal Chemist, 1035
 Hamburger, M., see Oufir, M., 206

- Han, H., see Zambelli, T., 1033
- Häner, R., Vybornyi, M., Yu, H., Nano-thin 2D Soft Materials – Design Principles and Prospects, 468
- Hanik, N., see Zinn, M., 841
- Harris, N., see Boero, G., 635
- Haskal, E., see Weder, C., 86
- Hecht, K., see Buller, R., 743
- Hee Kwon, N., Fromm, K. M., Conder, J., Srout, M., Surface Modifications of Positive-Electrode Materials for Lithium Ion Batteries, 880
- Heeb, N., see Schinkel, L., 504
- Heinzelmann, E., Biotechnet Switzerland: A New Technology Breaks Through: 1000-Litre Microbial Fuel Cell Generates Pure Water and Electricity, 334
- Heinzelmann, E., Biotechnet: BioTech 2019 – ZHAW Wädenswil, 2 – 3 July, 2019: Part 1 From Innovation to Technology Breakthrough, 763
- Heinzelmann, E., Biotechnet: BioTech 2019 – ZHAW Wädenswil, July 4, 2019: Part 2 The Future of Food: Cellular Agriculture, 767
- Helm, L., Merbach, A. E., The Periodic Table and Kinetics? 179
- Hemberger, P., Gerber, T., Bodi, A., Conference Report: PTPC2019: Photon Tools for Physical Chemistry 2019, 210
- Hengsberger, S., Chappuis, T., Leignel, G., Véron du Breuil, E., Cotting, C., Meuwly, R., Dutoit, J.-M., FHHES Universities of Applied Sciences: Microparticles as Additives for Increasing the Mechanical Stiffness of Polypropylene, 1039
- Herdlitschka, A., see Wennemers, H., 450
- Herdtweck, V., Lüthi, H. P., SCS Foundation: Meet&Greet Event 2019 of the Alfred Werner Scholars, 771
- Hettich, T., see Oufir, M., 206
- Hintz, H., see Ritsch, I., 262
- Honciuc, A., Kang, C., A Diversity of Asymmetric Nano-/Microcolloidal Architectures Grown by ATRP from Janus Seeds, 324
- Hopfgartner, G., Bravo-Veyrat, S., Highlights of Analytical Science in Switzerland: A Generic Approach for High-throughput Blood Analysis, 416
- Horváth, B., see Schiff, H., 636
- Hou, Y., see Broekmann, P., Arenz, M., 922
- Housecroft, C. E., Chemical Education: The Fungus *Amanita muscaria*: From Neurotoxins to Vanadium Accumulation, 96
- Housecroft, C. E., Chemical Education: Nature's Chemical Weapons: Beetle Defenses, 420
- Housecroft, C. E., Constable, E. C., Ditopic and Tetratopic 4,2':6',4''-Terpyridines as Structural Motifs in 2D- and 3D-Coordination Assemblies, 462
- Housecroft, C. E., Chemical Education: The Colour Violet: Chemistry or Physics? 760
- Housecroft, C. E., Constable, E. C., Editorial: Materials for Energy Conversion, 865
- Housecroft, C. E., Chemical Education: The Sting's the Thing, 1037
- Hu, H., see Broekmann, P., Arenz, M., 922
- Iannuzzi, M., see Probst, B., Gurdal, Y., 906
- Jeschke, G., see Ritsch, I., 262
- Johnson, D. A., see Williams, A. F., 144
- Jordi, A., see Merz, L., 659
- Joss, D., Rigo, S., Christoffel, F., Herr, P., Murawska, G., Sauter, B., Stampfli, A., Urosev, I., Vallapurackal, J., Conference Report: Christmas Symposium Basel, December 7, 2018, 98
- Jullien, P. E., Schröder, J. A., The Diversity of Plant Small RNAs Silencing Mechanisms, 362
- Juriček, M., Čavlović, D., Molecular Magnetic Switches, 313
- Kaldre, D., see Sparr, C., Parmentier, M., 714
- Kallen, J., see Sedrani, R., 581
- Kantnerová, K., see Mohn, J., 232
- Kapur, N., see Bourne, R. A., 817
- Karman, M., see Schrettl, S., Weder, C., 7
- Kilbinger, A. F. M., Alizadeh, M., Tennie, I. K., Steiner, U., Towards Polymers with Molecular Auxeticity, 25
- Kilbinger, A., see Weder, C., 86
- Kind, L., see Brodard, P., 645
- Klok, H.-A., Metzke, F. K., Mechanoresponsive Micro- and Nanoparticles, 35
- Klose, D., see Ritsch, I., 262
- Koch, F., see Brodard, P., 645
- Koch, K., Dütsch, H., Chemical Education: Chemische Experimente zum «International Year of the Periodic Table IYPT2019», 639
- Koettgen, A., see Gallou, F., 730
- Koichi, S., Lüthi, H. P., Exploring Machine Learning Tools for the Prediction of the Stability of New Togni-type Reagents, 990
- Kovalenko, M. V., Stöferle, T., Rainò, G., Becker, M. A., Bodnarchuk, M. I., Mahrt, R. F., Polymer and Colloid Highlights: Superfluorescence from Nanocrystal Superlattices, 92
- Kozhuharov, S., see Borkovec, M., 17
- Krivová, B., see Schiff, H., 636
- Kubicki, D. J., see Milić, J. V., 317
- Kübler, E., Weston, A., Brodmann, P., Widmer, M., Bartel, J., FHHES Universities of Applied Sciences: Development of a DNA-based Assay to Detect and Quantify Tropane Alkaloids Producing Thornapple Contaminations in Processed Food, 422
- Kumpulainen, T., Fürstenberg, T., Photochemistry Section: SCS Photochemistry Section Meeting – Fribourg, June 14, 2019, 840
- Kundig, T., see Pascolo, S., 391
- Labes, R., see Bourne, R. A., 817
- Lachia, M., see De Mesmaeker, A., 549
- Laino, T., Nair, V. H., Schwaller, P., Data-driven Chemical Reaction Prediction and Retrosynthesis, 997
- Lal, M., see Godineau, E., Battilocchio, C., 828
- Lamberth, C., Episodes from the Continuous Search for Solutions against Downy Mildew Diseases – SCS Industrial Investigator Award 2018, 571
- Lan, W., see Luterbacher, J. S., 591
- Larmier, K., see Foppa, L., 239
- Lattuada, M., see Schrettl, S., Weder, C., 7
- Lattuada, M., Effect of Clustering on the Heat Generated by Superparamagnetic Iron Oxide Nanoparticles, 39
- Laurent, Q., see Martinent, R., Matile, S., 304
- Lavrenova, A., see Schrettl, S., Weder, C., 7
- Leignel, G., see Hengsberger, S., Chappuis, T., 1039
- Lemal, P., see Petri-Fink, A., 55
- Lenz, M., Schmidt, F., Schäffer, A., Renewable Energy from Finite Resources: Example of Emerging Photovoltaics, 874
- Letizia, M. C., see Boero, G., 635
- Lewandowski, B., see Wennemers, H., 450
- Lewis, R. A., Ertl, P., Schneider, N., Stiefl, N., Reducing the Concepts of Data Science and Machine Learning to Tools for the Bench Chemist, 1001
- Ley, S. V., Chen, Y., Fitzpatrick, D. E., May, O., A New World for Chemical Synthesis? 792
- Lienemann, P., see Schinkel, L., 504
- List, J., see Mayer, M., 59
- List, J., see Rüegg, C., 63
- Loureiro, H., see Wuitschik, G., 724
- Luedtke, N. W., Johnson, A., Loehr, M. O., Schreier, Karimi, A., Swiss Science Concentrates, 90, 205
- Luksch, T., Lüthi, H. P., Editorial: Artificial Intelligence in Swiss Chemical Research, 969
- Lumbroso, A., see De Mesmaeker, A., 549
- Luterbacher, J. S., Lan, W., Preventing Lignin Condensation to Facilitate Aromatic Monomer Production - Werner Prize 2019, 591
- Luterbacher, J. S., Du, Y., Designing Heterogeneous Catalysts for Renewable Catalysis Applications Using Metal Oxide Deposition, 698
- Lüthi, H. P., Alberto, R., Welcome to the 2019 Fall Meeting of the Swiss Chemical Society (SCS), 605
- Lüthi, H. P., Herdtweck, V., SCS Foundation: Meet&Greet Event 2019 of the Alfred Werner Scholars, 771
- Lüthi, H. P., Bochet, C. G., Renaud, P., Conference Report: Swiss Summer School 'Trends in Organic Synthesis' Villars-sur-Ollon, August 18–22, 2019, 950
- Lüthi, H. P., Luksch, T., Editorial: Artificial Intelligence in Swiss Chemical Research, 969
- Lüthi, H. P., Koichi, S., Exploring Machine Learning Tools for the Prediction of the Stability of New Togni-type Reagents, 990
- Lutolf, M. P., Blondel, D., Bioinspired Hydrogels for 3D Organoid Culture, 81
- Maciel, E., see Mansuy, I. M., 356
- Mäder, P., Medicinal Chemistry and Chemical Biology Highlights: Boron in Medicinal Chemistry: Powerful, but Neglected, 637
- Mahrt, R. F., see Stöferle, T., Kovalenko, M. V., 92
- Manley, P. W., Investigations into the Potential Role of Metabolites on the Anti-Leukemic Activity of Imatinib, Nilotinib and Midostaurin – SCS Industrial Investigator Award 2018, 561
- Manson, J. A., see Bourne, R. A., 817
- Mansuy, I. M., Maciel, E., Extracellular Vesicles and their miRNA Cargo: A Means of Communication between Soma and Germline in the Mammalian Reproductive System, 356
- Maroni, P., see Borkovec, M., 17
- Marti, R., see Brodard, P., 645

- Martinet, R., Matile, S., Laurent, Q., Sakai, N., Cellular Uptake Mediated by Cyclic Oligochalcogenides, 304
- Martinez, V., see Zambelli, T., 1033
- Mateos, C., Lilly Research Award Program (LRAP): A Successful Academia-Industry Partnership Model in the Context of Flow Chemistry for Drug Discovery, 803
- Matile, S., Martinet, R., Laurent, Q., Sakai, N., Cellular Uptake Mediated by Cyclic Oligochalcogenides, 304
- May, O., see Ley, S. V., 792
- Mayer, M., Fennouri, A., List, J., Dupasquier, J., Haeni, L., Vanni, S., Rothen-Rutishauser, B., Templated Assembly of Pore-forming Peptides in Lipid Membranes, 59
- Mayer, M., see Rüegg, C., 63
- Mayor, M., Di Silvestro, A., From the Loom to the Laboratory: Molecular Textiles, 455
- Melle, P., see Albrecht, M., 299
- Merbach, A. E., Helm, L., The Periodic Table and Kinetics? 179
- Merz, L., SCNAT: 2019 Chemistry Travel Award by SCNAT and SCS, 514
- Merz, L., Jordi, A., SCNAT: The Jungfrauoch Research Station Designated as the Chemical Landmark 2019, 659
- Merz, L., Solomek, T., Rivera-Fuentes, P., SCNAT: 12th Young Faculty Meeting, 28th May 2019, 772
- Metze, F. K., see Klok, H.-A., 35
- Mewly, R., see Hengsberger, S., Chappuis, T., 1039
- Meyer, B., see Corminboeuf, C., 983
- Michler, J., see Boero, G., 635
- Mihovilovic, M. D., see Oufir, M., 206
- Milić, J. V., Kubicki, D. J., Emsley, L., Grätzel, M., Multifunctional Molecular Modulation for Efficient and Stable Hybrid Perovskite Solar Cells, 317
- Milosevic, A., see Petri-Fink, A., 55
- Mingos, D. M. P., Development of Bonding Models Based on the Periodic Table, 152
- Minkowski, C., Ruff, M., Ryser, R., Highlights of Analytical Sciences in Switzerland: Micropollutants in Bernese Waters, 759
- Mohn, J., Kantnerová, K., Tuzson, B., Emmenegger, L., Bernasconi, S. M., Quantifying Isotopic Signatures of N₂O Using Quantum Cascade Laser Absorption Spectroscopy, 232
- Monnier, C. A., see Petri-Fink, A., 55
- Montero de Espinosa, L., Weder, C., Rüegg, C., Editorial: NCCR Bio-Inspired Materials, 6
- Montero de Espinosa, L., see Weder, C., 86
- Montinaro, E., see Boero, G., 635
- Moreno-García, P., see Broekmann, P., Arenz, M., 922
- Morstein, C. E., see Arenz, M., Broekmann, B., 707
- Mostarda, S., see Venturoni, F., 809
- Mühlemann, O., Allain, F., Editorial: NCCR RNA & Disease, 353
- Mühlemann, O., Thiel, V., Contu, L., Steiner, S., The Role of Stress Granules and the Nonsense-mediated mRNA Decay Pathway in Antiviral Defence, 374
- Müller, K., Medicinal Chemistry and Chemical Biology Highlights: Organic Fluorine: The Mighty Mite, 417
- Musil, F., see Ceriotti, M., 972
- Musso, T., Atomistic Simulations in Surface Chemistry to Interpret Scanning Probe Microscopy Images: A Short Review, 294
- Nair, V. H., see Laino, T., 997
- Navikas, V., see Glushkov, E., Radenovic, A., 73
- Neumann, L. N., see Schrettl, S., Weder, C., 7
- Neumann, L. N., Schrettl, S., Weder, C., Healing of Polymeric Solids by Supramolecular Means, 277
- Nguyen, C. K. X., see Cléry, A., Allain, F. H.-T., 406
- Niepel, T. S. G., see Zenobi, R., 493
- O'Meadhra, R., see Venturoni, F., 809
- Oberson, J.-M., see Campos-Giménez, E., 836
- Oetken, M., Fischer, R., Chemical Education: Visualization of Latent Fingerprints on Aluminum, 945
- Onken, U., see Gallou, F., 730
- Oufir, M., Zabela, V., Hettich, T., Schlotterbeck, G., Wimmer, L., Mihovilovic, M. D., Guillet, F., Highlights of Analytical Chemistry in Switzerland: Piperine Analogs as Modulators of the Central Nervous System, 206
- Pandey, Y., see Zenobi, R., 493
- Papadopoulou, A., see Buller, R., 743
- Parmentier, M., Sparr, C., Kaldre, D., Gallou, F., Interface-rich Aqueous Systems for Sustainable Chemical Synthesis, 714
- Pascolo, S., Tusup, M., French, L. E., De Matos, M., Gatfield, D., Kundig, T., Design of *in vitro* Transcribed mRNA Vectors for Research and Therapy, 391
- Paunovic, V., see Pérez-Ramírez, J., 288
- Pazos, E., Cougnon, F. B. L., Conference Report: The 54th Conference on Stereochemistry: Bürgenstock Conference 2019, Brunnen, May 5 – 9, 2019, 511
- Pérez-Berlanga, M., see Polymenidou, M., 380
- Pérez-Ramírez, J., Zichittella, G., Paunović, V., Mechanistic Understanding of Halogen-mediated Catalytic Processes for Selective Natural Gas Functionalization, 288
- Pergolesi, D., Ferri, D., Fabbri, E., Energy Conversion Processes with Perovskite-type Materials, 913
- Pethö, L., see Boero, G., 635
- Petretto, E., see Vanni, S., 78
- Petri-Fink, A., Crippa, F., Rothen-Rutishauser, B., Magneto-responsive Cell Culture Substrates that can be Modulated *in situ*, 51
- Petri-Fink, A., see Rüegg, C., 63
- Petri-Fink, A., see Vanni, S., 78
- Pfeijer, M. E., Ulrich, D., Biotechnet Switzerland: Report of the 2nd Swiss Symposium in Point-of-Care Diagnostics, Chur, October 18, 2018, 101
- Piccioni, L., see Venturoni, F., 809
- Pieles, U., see Brodard, P., 645
- Piguet, C., Set Aside when Building the Periodic Table 150 Years ago, are Rare Earths any better considered by Chemists in the 21st Century? 165
- Pilkington, R. L., see Polyzos, A., 823
- Pilloud, F., Pouransari, N., Renard, L., Steidle, R., Bromine Recycling in the Chemical Industry - An Example of Circular Economy, 737
- Polacek, N., Schneider, A., Shikha, S., Brogli, R., tRNA Biology in Trypanosomes, 395
- Polenk, J., see Venturoni, F., 809
- Polymenidou, M., Afroz, T., Pérez-Berlanga, M., Structural Transition, Function and Dysfunction of TDP-43 in Neurodegenerative Diseases, 380
- Polyzos, A., Pilkington, R. L., Rossouw, N. P., van As, D. J., A Chemoselective and Scalable Transfer Hydrogenation of Aryl Imines by Rapid Continuous Flow Photoredox Catalysis, 823
- Pouransari, N., see Pilloud, F., 737
- Prem, M., see Wuitschik, G., 724
- Probst, B., Gurdal, Y., Alberto, R., Iannuzzi, M., [Co^{II}(BPyPy₂COH)(OH)₂]²⁺: A Catalytic Pourbaix Diagram and AIMD Simulations on Four Key Intermediates, 906
- Probst, D., see Reymond, J.-L., 1018
- Quinson, J., see Arenz, M., Broekmann, B., 707
- Radenovic, A., Glushkov, E., Navikas, V., Fluorescent Nanodiamonds as Versatile Intracellular Temperature Sensors, 73
- Rafiee, S., see Rüegg, C., 63
- Rahaman, M., see Arenz, M., Broekmann, B., 707
- Rainò, G., see Stöferle, T., Kovalenko, M. V., 92
- Reis, C., see Rüegg, C., 63
- Ren, D., see Grätzel, M., 928
- Renard, L., see Pilloud, F., 737
- Renaud, P., Lüthi, H. P., Bochet, C. G., Conference Report: Swiss Summer School 'Trends in Organic Synthesis' Villars-sur-Ollon, August 18–22, 2019, 950
- Reymond, J.-L., Arús-Pous, J., Awale, M., Probst, D., Exploring Chemical Space with Machine Learning, 1018
- Richard, C.-A., see Chapuis, C., 194
- Rifaie-Graham, O., see Burns, N., 21
- Riniker, S., Wang, S., Bleiziffer, P., Bösel, L., Esposito, C., Machine Learning with and for Molecular Dynamics Simulations, 1024
- Ritsch, I., Klose, D., Hintz, H., Godt, A., Jeschke, G., Yulikov, M., Pulsed EPR Methods to Study Biomolecular Interactions, 268
- Rivera-Fuentes, P., Merz, L., Solomek, T., SCNAT: 12th Young Faculty Meeting, 28th May 2019, 772
- Rodriguez-Lorenzo, L., see Petri-Fink, A., 55
- Rodriguez-Lorenzo, L., see Rüegg, C., 63
- Rossel, T., Creus, M., «La Chimie en Couleurs»: Socially Relevant & Original Research in Chemistry in High Schools Using Modest Resources - Balmer Prize 2018, 599
- Rossouw, N. P., see Polyzos, A., 823
- Rothen-Rutishauser, B., Scheffold, F., Zenuni, A., Zhang, C., Haeni, L., Structure and Sedimentation Kinetics of Dense Suspensions of Fibroblast Cells, 43
- Rothen-Rutishauser, B., Milosevic, A., Bourquin, J., Burnand, D., Lemal, P., Crippa, F., Monnier, C. A., Rodriguez-Lorenzo, L., Petri-Fink, A., Artificial Lysosomal Platform to Study Nanoparticle Long-term Stability, 55
- Rothen-Rutishauser, B., see Petri-Fink, A., 51
- Rothen-Rutishauser, B., see Mayer, M., 59

- Rothen-Rutishauser, B., see Rüegg, C., 63
Rothen-Rutishauser, B., see Vanni, S., 78
Rothen-Rutishauser, B., see Weder, C., 86
Röthlisberger, P., see Hall, J., 368
Rüegg, C., Montero de Espinosa, L., Weder, C.,
Editorial: NCCR Bio-Inspired Materials, 6
Rüegg, C., Reis, C., Rafiee, S., Rodriguez-Lo-
renzo, L., List, J., Rothen-Rutishauser, B.,
Mayer, M., Petri-Fink, A., A Bio-Inspired
Amplification Cascade for the Detection of
Rare Cancer Cells, 63
Rüegg, C., see Weder, C., 86
Ruff, M., see Minkowski, C., 759
Ryser, R., see Minkowski, C., 759
- Sagara, Y., see Schrettl, S., Weder, C., 7
Sahabudeen, H., see Feng, X., 480
Sai, T., see Dufresne, E. R., 47
Sakai, N., see Martinent, R., Matile, S., 304
Saudan, L., 85 Years of Catalysis at Firmenich,
684
Saxer, S., see Brodard, P., 645
Schäfer, R. J. B., see Wennemers, H., 308
Schäffer, A., see Lenz, M., 874
Scheffold, F., Rothen-Rutishauser, B., Zenuni,
A., Zhang, C., Haeni, L., Structure and
Sedimentation Kinetics of Dense Suspensions
of Fibroblast Cells, 43
Scheffold, F., see Dufresne, E. R., 47
Scheidat, H., see Gallou, F., 730
Schenkel, B., see Venturoni, F., 809
Schift, H., Horváth, B., Krivová, B., Bo-
lat, S., Polymer and Colloid Highlights:
Microfluidics Meets Printed Electronics,
636
Schinkel, L., Canonica, E., Lienemann, P., Ble-
iner, D., Heeb, N., Highlights of Analytical
Sciences in Switzerland: Mass Spectro-
metric Analysis of Short-chain Chlorinated
Paraffins in Plastic Consumer Products, 504
Schlotterbeck, G., see Oufir, M., 206
Schlüter, A. D., Editorial: Dimensionality in
Chemistry, 446
Schlüter, A. D., Progress in Synthetic 2D Poly-
mers Obtained at the Air/Water Interface,
487
Schmidt, F., see Lenz, M., 874
Schneider, A., Polacek, N., Shikha, S., Brogli,
R., tRNA Biology in Trypanosomes, 395
Shikha, S., see Schneider, A., Polacek, N., 395
Schneider, G., Grisoni, F., De novo Molecular
Design with Generative Long Short-term
Memory, 1006
Schneider, N., see Lewis, R. A., 1001
Schoenebeck, S., see Venturoni, F., 809
Schrettl, S., Weder, C., Balkenende, D. W. R.,
Calvino, C., Karman, M., Lavrenova, A.,
Neumann, L. N., Sagara, Y., Verde-Sesto, E.,
di Giannantonio, M., Simon, Y. C., Fromm,
K. M., Lattuada, M., Functional Polymers
Through Mechanochemistry, 7
Schrettl, S., Neumann, L. N., Weder, C., Heal-
ing of Polymeric Solids by Supramolecular
Means, 277
Schróder, J. A., see Jullien, P. E., 362
Schuepp, P., see Gallou, F., 730
Schuler, W., see Sedrani, R., 581
Schwaller, P., see Laino, T., 997
SCNAT, Elections to the SCNAT «Platform
Chemistry» Board, 212
SCNAT/Swiss Chemical Society, 2019 Chemis-
try Travel Award, 106
Screpanti, C., see De Mesmaeker, A., 549
SCS Foundation, Alfred Werner Fund, Master's
Student Scholarships, 844
Sedrani, R., Cottens, S., Kallen, J., Schuler, W.,
Derivation of Rapamycin: Adventures in
Natural Product Chemistry - KGF-SCS In-
dustrial Investigator Award 2017, 581
Shahgaldian, P., see Brodard, P., 645
Shevchenko, B., see Oufir, M., 206
Sicher, A., see Dufresne, E. R., 47
Sigel, R. K. O., Freisinger, E., The Bioinorganic
Periodic Table, 185
Sigel, R. K. O., Steffen, F. D., Börner, R., Freis-
inger, E., Stick, Flick, Click: DNA-guided
Fluorescent Labeling of Long RNA for
Single-molecule FRET, 257
Simon, Y. C., see Schrettl, S., Weder, C., 7
Skuy, D., see Chapuis, C., 194
Soda, Y., see Citterio, D., Bakker, E., 944
Solomek, T., Rivera-Fuentes, P., Merz, L., SC-
NAT: 12th Young Faculty Meeting, 28th
May 2019, 772
Sparr, C., Parmentier, M., Kaldre, D., Gallou,
F., Interface-rich Aqueous Systems for Sus-
tainable Chemical Synthesis, 714
Strout, M., see Hee Kwon, N., Fromm, K. M., 880
Steffen, F. D., Sigel, R. K. O., Börner, R., Freis-
inger, E., Stick, Flick, Click: DNA-guided
Fluorescent Labeling of Long RNA for
Single-molecule FRET, 257
Steidle, R., see Pilloud, F., 737
Steiner, S., see Thiel, V., Mühlemann, O., 374
Steiner, U., see Kilbinger, A. F. M., 25
Steiner, U., see Amstad, E., 29
Steiner, U., see Dufresne, E. R., 47
Stellacci, F., see Vanni, S., 78
Stenqvist, J., see Brodard, P., 645
Steuer, C., Allenspach, M. D., Fuchs, J. A.,
Highlights of Analytical Sciences in Swit-
zerland: Revealing Pre-analytical Pitfalls in
Concentration Determination of Peptides
by Quantification of Amino Acid Fluores-
cence, 330
Stiefel, N., see Lewis, R. A., 1001
Stöferle, T., Kovalenko, M. V., Rainò, G., Beck-
er, M. A., Bodnarchuk, M. I., Mahrt, R. F.,
Polymer and Colloid Highlights: Superflu-
orescence from Nanocrystal Superlattices,
92
Streit, A., see Venturoni, F., 809
Suremann, R., see Venturoni, F., 809
Suter, M. J.-F., Conference Report: CHanalysis
2019, Beatenberg, April 10.–11., 2019, 427
Swiss Chemical Society, Swiss Chemical
Society Annual Report 2018, 128
Swiss Chemical Society/SCNAT, 2019
Chemistry Travel Award, 106
SYCA, Conference Report: 18th Swiss Snow
Symposium, 426
- TCBM Steering Committee, Biotechnet: Trans-
lation of Academic Health Innovations
Goes National - Foundation of the Platform
for Swiss Translational and Clinical Bio-
Manufacturing (TCBM), 509
Tennie, I. K., see Kilbinger, A. F. M., 25
Thiel, V., Mühlemann, O., Contu, L., Steiner, S.,
The Role of Stress Granules and the Non-
sense-mediated mRNA Decay Pathway in
Antiviral Defence, 374
Tibbitt, M. W., Bernhard, S., Bovone, G., Guzzi,
E. A., Polymer and Colloid Highlights:
Polymer–Nanoparticle Hydrogels, 1034
Toth, R., Braun, A., Conference Report: Swiss
Stakeholder Workshop for the SUNRISE
H2020 FET-Flagship Project, 952
Truong, N. P., see Anastasaki, A., 331
Turchanin, A., Synthesis of Molecular 2D Ma-
terials via Low-energy Electron Induced
Chemical Reactions, 480
Türler, A., The Expansion of the Periodic Table
to its Natural Limits, 173
Türler, A., Medicinal Chemistry and Chemical
Biology Highlights: Matched Pair Ther-
anostics, 947
Turner, A., see Filella, M., 91
Tusup, M., see Pascolo, S., 391
Tuzson, B., see Mohn, J., 232
- Ulrich, D., Pfeifer, M. E., Biotechnet Switzer-
land: Report of the 2nd Swiss Symposium
in Point-of-Care Diagnostics, Chur, Octo-
ber 18, 2018, 101
- van As, D. J., see Polyzos, A., 823
Vanni, S., see Mayer, M., 59
Vanni, S., Petretto, E., Campomanes, P., Stellac-
ci, F., Rothen-Rutishauser, B., Petri-Fink,
A., An Atomistic Look into Bio-inspired
Nanoparticles and their Molecular Interac-
tions with Cells, 78
Vanoli, E., see Brodard, P., 645
Venturoni, F., Filippini, P., Guelat, B., Haber,
J., Mostarda, S., O'Meadhra, R., Piccioni,
L., Polenk, J., Schenkel, B., Schoenebeck,
S., Streit, A., Suremann, R., Wegmann, S.,
Fouling of Flow Reactors in Organolithium
Mediated Transformations: Experience on
Scale-up and Proposed Solution, 809
Verde-Sesto, E., see Schrettl, S., Weder, C., 7
Véron du Breuil, E., see Hengsberger, S., Chap-
puis, T., 1039
Vincent, F., see Boero, G., 635
Vlachopoulos, N., see Hagfeldt, A., 894
Volpe, B., see Boero, G., 635
von Lilienfeld, O. A., Christensen, A. S., Opera-
tor Quantum Machine Learning: Navigat-
ing the Chemical Space of Response Prop-
erties, 1028
Vörös, J., see Zambelli, T., 1033
Vybornyi, M., see Häner, R., 468
- Wang, S., see Riniker, S., 1024
Weder, C., Rüegg, C., Montero de Espinosa, L.,
Editorial: NCCR Bio-Inspired Materials, 6
Weder, C., Schrettl, S., Balkenende, D. W. R.,
Calvino, C., Karman, M., Lavrenova, A.,
Neumann, L. N., Sagara, Y., Verde-Sesto, E.,
di Giannantonio, M., Simon, Y. C., Fromm,
K. M., Lattuada, M., Functional Polymers
Through Mechanochemistry, 7
Weder, C., Capper, S., Haskal, E., Kilbinger,
A., Montero de Espinosa, L., Rothen-Ru-
tishauser, B., Rüegg, C., Not Just Funda-
mental Research: Education, Equal Op-
portunities, Knowledge and Technology
Transfer, and Communication at the NCCR
Bio-Inspired Materials, 86

- Weder, C., see Neumann, L. N., Schrettl, S., 277
- Wegmann, S., see Venturoni, F., 809
- Wendeborn, S., see Brodard, P., 645
- Wennemers, H., Schäfer, R. J. B., Aronoff, M. R., Recent Advances in Bioorthogonal Reactions, 308
- Wennemers, H., Herdlitschka, A., Lewandowski, B., Organic Molecular Weaves, 450
- Weston, A., see Kübler, E., 422
- Whitfield, R., see Anastasaki, A., 331
- Wiberg, G. K. H., see Broekmann, P., Arenz, M., 922
- Widmer, M., see Kübler, E., 422
- Williams, A. F., Editorial: International Year of the Periodic Table, 141
- Williams, A. F., Johnson, D. A., The Gestation and Growth of the Periodic Table, 144
- Wilts, B. D., see Dufresne, E. R., 47
- Wimmer, L., see Oufir, M., 206
- Wu, S.-J., see Boghossian, A. A., 283
- Wuitschik, G., Loureiro, H., Prem, M., Chem-Pager: Now Expanded for even Greener Chemistry, 724
- Yelon, A., Braun, A., Chen, Q., Hole and Protonic Polarons in Perovskites, 936
- Yep, P., see Fromm, K. M., 12
- Yu, H., see Häner, R., 468
- Yulikov, M., see Ritsch, I., 262
- Zabela, V., see Oufir, M., 206
- Zakeeruddin, S. M., see Grätzel, M., 928
- Zambelli, T., Martinez, V., Han, H., Vörös, J., Highlights of Analytical Sciences in Switzerland: Su-8 Micropipettes for Gentle Single-cell Manipulation, 1033
- Zana, A., see Arenz, M., Broekmann, B., 707
- Zana, A., see Broekmann, P., Arenz, M., 922
- Zarn, J. A., Geiser, H. C., The Current Dietary Risk Assessment of Chemicals in Food Underestimates the Actual Risk, 832
- Zenobi, R., Niepel, T. S. G., Pandey, Y., Two-dimensional Polymers in Microscopy and Spatially Resolved Vibrational Analysis – A Review, 493
- Zenuni, A., see Rothen-Rutishauser, B., Schefold, F., 43
- Zhang, C., see Rothen-Rutishauser, B., Schefold, F., 43
- Zichittella, G., see Pérez-Ramírez, J., 288
- Zinn, M., see Brodard, P., 645
- Zinn, M., Hanik, N., Amstutz, V., FHHES Universities of Applied Sciences: Microplastics – from Anthropogenic to Natural, 841

CHIMIA

www.chimia.ch

International Journal for Chemistry

and

Official Membership Journal

of the Swiss Chemical Society (SCS)
and its Divisions

Divisions

Analytical Sciences	www.scg.ch/das
Fundamental Research	www.scg.ch/dfr
Industrial & Applied Chemistry	www.scg.ch/diac
Medicinal Chemistry & Chemical Biology	www.scg.ch/dmccb
Polymers, Colloids & Interfaces	www.scg.ch/dpci
Chemical Education	www.scg.ch/dce

Associated Society Members

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

Editorial Board

O. Baudoin, Basel
M. P. Brändle, Zürich
C. E. Housecroft, Basel
M. Koller, Köniz
E. P. Kündig, Geneva
R. Marti, Fribourg
M. G. Schlageter, Basel
J. Stohner, Wädenswil
S. Sulzer-Mosse, Stein

Advisory Board

F. Merkt, Zürich (former DFR)
K.-H. Altmann, Zürich (DMCCB)
W. Jucker, Sisseln (DIAC)
G. Hopfgartner, Genève (DAS)
A. Baiker, Zürich
J. Bode, Zurich
E. Felder, Basel
K. Hungerbühler, Zürich
H.-A. Klok, Genève
C. Leumann, Bern
F. Marechal, Lausanne
V. R. Meyer, St. Gallen
M. Missbach, Basel
C. Nevado, Zurich
T. Weller, Allschwil

Editor-in-Chief

Prof. E. P. Kündig
University of Geneva
Department of Chemistry
30 Quai Ernest Ansermet
CH-1211 Geneva 4
E-Mail: Peter.Kundig@unige.ch

Chairperson

Dr. Gillian Harvey
Johanna-Hodel-Gasse 5
CH-6005 Luzern
Tel.: +41 44 262 65 46
E-Mail: chimia.tr@bluewin.ch

Managing Editor

Dr. Manuel Koller
Fuhrenstrasse 16
CH-3098 Schliern b. Köniz
Tel.: +41 31 971 58 48
Mobile: +41 79 596 71 02
E-Mail: koller_manuel@bluewin.ch

Associate Editor

Prof. Catherine E. Housecroft
Department of Chemistry
University of Basel
BPR 1096, Mattenstrasse 24a
CH-4058 Basel
E-Mail: catherine.housecroft@unibas.ch

Technical Editor

Dr. Gillian Harvey
CHIMIA Technische Redaktion
Johanna-Hodel-Gasse 5
CH-6005 Luzern
Tel.: +41 44 262 65 46
E-Mail: chimia.tr@bluewin.ch

Design and Production, Printing and Mailing

FO-Zürisee
Gewerbstrasse 18
CH-8132 Egg bei Zürich
Tel.: +41 44 928 53 53
Fax: +41 44 928 53 54
E-Mail: info@fo-zuerisee.ch, www.fo-zuerisee.ch

Advertisements and CHIMIA-Report

Swiss Chemical Society
David Spichiger, Head Office
Haus der Akademien
Laupenstrasse 7
Postfach
CH-3001 Bern
Tel.: +41 31 306 92 92
E-Mail: info@scg.ch, www.scg.ch

Copyright by

Swiss Chemical Society
www.scg.ch

Frequency: Monthly

Annual Personal Subscription 2019

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 2019

World Wide (printed plus electronic edition) CHF 520.–
World Wide (e-only edition) CHF 480.–

Single Issues

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

Single Articles

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

Member and Subscriber Services

Swiss Chemical Society
Haus der Akademien
Laupenstrasse 7, Postfach
CH-3001 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

David Spichiger
Swiss Chemical Society
Haus der Akademien
Laupenstrasse 7
Postfach
CH-3001 Bern
Tel.: +41 31 306 92 91
E-Mail: info@scg.ch
www.scg.ch