

H₂ Production and CO₂ Conversion: Insights and Progress

- 153 Editorial
G. R. Patzke
- 156 Hydrogen Storage by Reduction of CO₂ to Synthetic Hydrocarbons
*K. Zhao, W. Luo, N. Gallandat, J. Zhang, A. Züttel**
- 163 Unwrap Them First: *Operando* Potential-induced Activation Is Required when Using PVP-Capped Ag Nanocubes as Catalysts of CO₂ Electroreduction
M. de Jesús Gálvez-Vázquez, H. Xu, P. Moreno-García, Y. Hou, H. Hu, B. J. Wiley, S. Vesztegom, P. Broekmann**
- 169 Organic Semiconductors as Photoanodes for Solar-driven Photoelectrochemical Fuel Production
*A. Sekar, K. Sivula**
- 180 Cobalt Complexes of Polypyridyl Ligands for the Photocatalytic Hydrogen Evolution Reaction
*E. Joliat-Wick, M. Mosberger, N. Weder, B. Spingler, B. Probst, R. Alberto**
- 188 About Control: Kinetics in Molecule-based Photochemical Water Reduction Investigated by Transient IR Spectroscopy
K. T. Oppelt, P. Hamm*
- 195 How *ab initio* Molecular Dynamics Can Change the Understanding on Transition Metal Catalysed Water Oxidation
*M. Schilling, R. Ketkaew, S. Lubner**
- 202 Surface Chemistry of Perovskite Oxynitride Photocatalysts: A Computational Perspective
*M. Bouri, S. Ninova, H. Ouhbi, N. Vonrüti, U. Aschauer**

COLUMNS, CONFERENCE REPORTS

- 208 SWISS SCIENCE CONCENTRATES
*S.-M. Guo, A. Kudashev, T. Miyakoshi, M. Zuccarello, O. Baudoin**
- 210 HIGHLIGHTS OF ANALYTICAL SCIENCES IN SWITZERLAND
Single-Molecule Analytics of Reaction Products of Guanine Oxidation in Oligonucleotides
J. Sobek, R. Schlapbach*
- 211 MEDICINAL CHEMISTRY AND CHEMICAL BIOLOGY HIGHLIGHTS
Chemistry 4.0: How the Digital Revolution is Changing Chemical Research
M. Stenta
- 213 CHEMICAL EDUCATION
Elephants in the Room, Part 2: Gymnastics for Elementary Particles
A. F. Williams
- 215 FH-HES UNIVERSITIES OF APPLIED SCIENCES
Keeping SARS-CoV-2 out: Vaccines, Filters, and Self-disinfecting Textiles
*D. Eibl, M. Sievers, R. Eibl, M. Bachmann, S. Walton, N. Keel, G. Richner, S. Stübinger, S. Hirsch, C. Yeretzian, S. E. W. Opitz, T. Heldal, C. Adlhart**
- 219 BIOTECHNET SWITZERLAND
Conference Report of the 3rd Swiss Symposium in Point-of-Care Diagnostics
held online on 29 October 2020
M. E. Pfeifer, D. Ulrich*
- PERSPECTIVES ON CHEMISTRY AND SOCIETY ON THE OCCASION OF THE 75TH ANNIVERSARY OF CHIMIA
- 225 Medicinal Chemistry and Chemical Biology in the Age of the Pandemic
J.-L. Raymond, Y. P. Auberson, F. Benfatti, C. Zumbrunn*
- 227 Passion and Perspectives for Swiss Chemical Manufacturing
*B. Urwyler**

COMMUNITY NEWS

- 230 Swiss Chemical Society News
- 231 Honors, Awards, Appointments
- 233 Journal News
- 233 Industrial News

EVENTS

- 238 SCS Conferences and Symposia
- 242 Additional Conferences in Switzerland and Online Events
- 243 SCS Lectureships
- 243 Lectures April 2021

CHIMIA REPORT/COMPANY NEWS

- 245 Markt, Apparate, Chemikalien und Dienstleistungen