

GDCh-Wissenschaftsforum Chemie 2017

Dienstag, 12.09.2017

10:50 - 12:50	Hörsaal B (EG) (Henry-Ford-Bau)
Electrochemistry: Making electrons move	10:50 - 12:50
Electroplating for Advanced Semiconductor Applications: Challenges, Concepts and Perspectives <u>P. Broekmann, Bern/CH</u> , N.T.M. Hai, Bern/CH, V. Grimaudo, Bern/CH, P. Moreno, Bern/CH, A. Cedeno Lopez, Bern/CH, A. Riedo, Bern/CH, P. Wurz, Bern/CH, A. Flügel, Ludwigshafen/DE, M. Arnold, Ludwigshafen/DE, D. Mayer, Ludwigshafen/DE	10:50 - 11:30
Mesocrystalline, All-semiconducting Nanoparticle Ligand- Hybrids: New Prospects for Quantum Dot Electronics <u>M. Scheele, Tübingen/DE</u>	11:30 - 11:50
Towards a Better Understanding of Electrode Ionic Liquid Interfaces: Measuring the Potential of Zero Charge <u>N. M. Vargas-Barbosa, Marburg/DE</u> , M. Gräf, Marburg/DE, B. Roling, Marburg/DE	11:50 - 12:10
Time-resolved Electrochemical Surface Plasmon Resonance (SPR) Studies of Sulfate and Dodecyl Sulfate Adsorption on Au(111) <u>K. Schlag, Karlsruhe/DE</u> , C. Kühn, Karlsruhe/DE, D. Nattland, Karlsruhe/DE, R. Schuster, Karlsruhe/DE	12:10 - 12:30
Design of Redox Polymers for Amperometric Biosensors and Self-powered Biodevices <u>A. Ruff, Bochum/DE</u> , F. Lopez, Bochum/DE, P. Pinyou, Bochum/DE, S. Pöller, Bochum/DE, M. Nolten, Bochum/DE, F. Conzuelo, Bochum/DE, W. Schuhmann, Bochum/DE	12:30 - 12:50

14:10 - 15:30	Hörsaal B (EG) (Henry-Ford-Bau)
Elektrochemische Energiespeicher und Wandler	14:10 - 15:30
Electrochemical Energy Storage: Between Enabling Stepping Stone and Hidden Champion <u>M. Winter, Münster/DE</u>	14:10 - 14:50
Lithium-Phosphido Silicates and Germanates – A New Class of Solid-State Lithium-Ion Conductors <u>T. F. Fässler, München/DE</u>	14:50 - 15:10
Already Electrically Contacted Metal Oxide/carbon Hybrid Materials Derived from Electrodeposited MOF Films for Additive-free Supercapacitor Electrodes <u>J. Linnemann, Dresden/DE, L. Taudien, Dresden/DE, M. Kloze, Dresden/DE, L. Giebeler, Dresden/DE</u>	15:10 - 15:30
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16:50 - 19:10	Hörsaal B (EG) (Henry-Ford-Bau)
Elektrochemische Energiespeicher und Wandler	16:50 - 19:10
Cross-industrielle Technologien für den Klimaschutz <u>R. Kleinschmidt, Dortmund/DE</u>	16:50 - 17:30
Bestimmung von Membranwiderständen in Vanadium Redox-Flow Batterien <u>K. Schafner, Goslar/DE, M. Becker, Dortmund/DE, T. Turek, Clausthal-Zellerfeld/DE</u>	17:30 - 17:50
A Tubular Cell Design for Redox Flow Batteries <u>S. Ressel, Hamburg/DE, A. Chica, Valencia/ES, T. Flower, Hamburg/DE, T. Struckmann, Hamburg/DE</u>	17:50 - 18:10
Mitgliederversammlung FG Elektrochemie	18:10 - 19:10

Mittwoch, 13.09.2017

10:50 - 12:50	Hörsaal B (EG) (Henry-Ford-Bau)
Chemie bewegt Energie	10:50 - 12:50
Carbon Dioxide as Raw Material: Challenges and Opportunities for Catalysis at the Interface of the Energy and Chemistry Sectors <u>W. Leitner, Aachen/DE</u>	10:50 - 11:30
Organometal Halide Perovskite Photonic Crystals <u>H. Tüysüz, Mülheim (Ruhr)/DE, K. Chen, Mülheim (Ruhr)/DE, S. Schünemann, Mülheim (Ruhr)/DE</u>	11:30 - 11:50
Cobalt Oxide Catalysts for Water Oxidation: Neutral Versus Alkaline Electrolyte <u>C. Pasquini, Berlin/DE, I. Zaharieva, Berlin/DE, H. Dau, Berlin/DE</u>	11:50 - 12:10
Anforderung der Chemieindustrie an die Energieversorgung der Zukunft <u>M. Reuter, Frankfurt (Main)/DE</u>	12:10 - 12:30
Sodium-ion Batteries: Electrochemistry with Abundant Elements <u>P. Adelhelm, Jena/DE</u>	12:30 - 12:50
14:10 - 15:30	Hörsaal B (EG) (Henry-Ford-Bau)
Power to "X"	14:10 - 15:30
Dynamik macht Grenzflächen reaktiv <u>R. Schlögl, Berlin/DE</u>	14:10 - 14:50
Structural Effects of Nanoporous Carbon Supports on Sodium/Sulfur Promoted Iron-based Catalysts for the Direct Conversion of Synthesis Gas to Lower Olefins <u>M. Oschatz, Potsdam/DE, K. P. de Jong, Utrecht/NL</u>	14:50 - 15:10
Künstliche Photosynthese: Forschungsstand, wissenschaftlich-technische Herausforderungen und Technikzukünfte <u>M. Beller, Rostock/DE</u>	15:10 - 15:30

16:50 - 18:10	Hörsaal B (EG) (Henry-Ford-Bau)
Electrochemistry 2050	16:50 - 18:10
The Future of Electrochemistry <u>Y. Shao-Horn, Cambridge/US</u>	16:50 - 17:30
Bridging Photosynthetic Proteins and Photovoltaic Cells <u>N. Plumeré, Bochum/DE</u>	17:30 - 17:50
Award Lecture, Prize of the GDCh-Division of Electrochemistry	17:50 - 18:10