



20th International Conference on Photochemical Conversion and Storage of Solar Energy

Berlin, Germany

July 27th - August 1st, 2014



Hosted by Helmholtz-Zentrum Berlin (HZB)
Brought to you by the IPS International Organizing Committee
Organized by IPS-20 Local Organizing Committee at HZB
Main sponsors: HZB and PECDEMO

PoM	52	Multilayered Electrocatalysts for Efficient Oxidation of Water on Solution-Deposited Ti-doped Hematite Films I. G. Torregrosa (Utrecht University, The Netherlands)
PoM	53	Composite Sodium Tantalates for Photocatalytic Water Splitting T. Grewe (Max-Planck-Institut für Kohlenforschung, Germany)
PoM	54	Optical and Non-Optical Enhancement of Ag@SiO₂ Core-Shell Nanoparticles on BiVO₄ Photoanode F. F. Abdi (Helmholtz-Zentrum Berlin, Germany)
PoM	55	MoS₂ Thin Films as Hydrogen Evolving Catalyst Layers—Influence of Sputtering Parameters on Film Morphology and Catalytic Activity S. Bierwirth (Helmholtz-Zentrum Berlin, Germany)
PoM	56	Charge Transport and Electrochemical Activity of Amorphous Co, Ni and Fe Oxide Thin Films for Water Oxidation at Neutral pH E. M. Moreno (Freie Universität Berlin, Germany)
PoM	57	Heterojunction of Li-inserted TiO₂ Nanotube Arrays and CdS Nanoparticles for Photoelectrochemical Hydrogen Evolution U. Kang (Kyungpook National University, Korea)
PoM	58	Amorphous Co-based Oxides for Water Oxidation at Neutral pH: Stability at Catalytic and Non-Catalytic Electrochemical Potentials M. R. Mohammidi (Freie Universität Berlin, Germany)
PoM	59	Enhanced Photoelectrochemical Reduction of CO₂ into Formate at p-Si Wires Coupled with Sn Metal Particles S. K. Choi (Kyungpook National University, Korea)
PoM	60	Influence of the Synthetic Conditions on the Photocatalytic Activity of Zinc-Cadmium Sulfides A. Litke (Eindhoven University of Technology, The Netherlands)
PoM	61	Screen Printed Metal Oxide Electrodes for Water Oxidation: Birnessite Anodes and an “Electrochemical Harriman Series” S. Y. Lee (Albert-Ludwigs-Universität Freiburg, Germany)
PoM	62	Surface Plasmon-Assisted Water Splitting and Glycerol Oxidation G. Dodekatos (Max-Planck-Institut für Kohlenforschung, Germany)
PoM	63	Controllable Hydrothermal Synthesis of Cu₂O Films A. Goryachev (Eindhoven University of Technology, The Netherlands)
PoM	64	Water Photooxidation by Silver Phosphate Photocatalyst D. J. Martin (University College London, UK)
PoM	65	Nanostructured Transparent Conducting Oxide—Metal Oxide Composite Photoanodes for Water Oxidation S. P. Berglund (Helmholtz-Zentrum Berlin, Germany)
PoM	66	Electrochemical Stability of Doped SnO₂ as a Transparent, Conducting Counter Electrode for Water Splitting C. Zachäus (Helmholtz-Zentrum Berlin, Germany)
PoM	67	Simple and Rapid Electrodeposition Route to Highly Active CuO Thin Films for PEC Hydrogen Generation J. S. Sagu (Loughborough University, UK)
PoM	68	Visible-light Photocatalytic Conversion of CO₂ into Solar Fuels using Nanocatalyst T. He (National Center for Nanoscience and Technology, China)
PoM	69	Simple Photochemical Systems for the Detailed Evaluation of Homogeneous Water Reduction Catalysts R. Schmehl (Tulane University, USA)
PoM	70	ZnO Nanowire Arrays Loaded with Earth-Abundant Oxygen Evolution Catalysts for Efficient Photoelectrochemical Water Cleavage C. Jiang (University College London, UK)
PoM	71	GaN on Si(100) for Solar Water Splitting: Electronic Properties and In Situ Stability Evaluation M. M. May (Helmholtz-Zentrum Berlin, Germany)
PoM	72	PV-Hybrid Electrolyzer using Modified Superstrate Triple-Junction Silicon Solar Cells as Water Splitting Devices D. Stellmach (Helmholtz-Zentrum Berlin, Germany)
PoM	73	An Integrated Device for Carbon Reduction from Ambient Air T. Feichtner (Max-Planck-Institute for the Science of Light, Germany)
PoM	74	Plasmonics for Enhanced Photocatalytic Efficiency K. Höflich (Helmholtz-Zentrum Berlin, Germany)
PoM	75	Optimizing Charge Carrier Transport from WO₃ to a Conducting Electrode by a Fullerene Derived Interfacial Layer S.-Y. Park (University of Twente, The Netherlands)
PoM	76	Visible Light Induced Water Splitting on a Chip M. G. C. Zoontjes (University of Twente, The Netherlands)
PoM	77	Activation of CO₂ over Titania-Based Photocatalysts for Artificial Photosynthesis V. A. de la Peña O’Shea (Institute IMDEA Energy, Spain)
PoM	78	SURMOF Based Photonic Nanomaterials for Optical and LHs Applications E. Redel (Karlsruhe Institute of Technology, Germany)
PoM	79	α-Fe₂O₃ Hemisphere Array for Photoelectrochemical Water Oxidation L. Jia (Helmholtz-Zentrum Berlin, Germany)