



an Open Access Journal by MDPI

Solar-to-Products: Latest Achievements in Solar-Driven Hydrogen and Chemicals Production

Guest Editors:

Dr. Giampaolo Manzolini

Energy Department, Polytechnic
University of Milan, 20156 Milan,
Italy

Dr. Marco Binotti

Department of Energy,
Politecnico di Milano, Via
Lambruschini 4, 20156 Milan, Italy

Dr. Gioele Di Marcoberardino

Politecnico di Milano,
Dipartimento di Energia, Via
Lambruschini 4, 20156 Milano,
Italy

Deadline for manuscript
submissions:

closed (1 May 2018)

Message from the Guest Editors

Dear Colleagues,

This Special Issue collects the most recent and outstanding achievements in the solar-to-chemicals field from theoretical modeling to experimental results and demonstration projects including techno-economic assessments.

Topics of this Special Issues are all the production processes based on chemical, electrochemical, photo-electrochemical concepts and applied photosynthesis processes, as well as thermo-chemical cycles. The goal is to cover the most investigated technologies from the very basics to the most updated laboratories activities

In addition, latest optics development and receiver concepts will be also discussed with the evaluation of these new technologies from efficiency point of view.

Finally, energy balance, material development and chemical engineering aspects will be addressed to indicate the current status of solar-to-chemicals research, and the next steps to be taken.

Prof. Dr. Manzolini Giampaolo

Dr. Marco Binotti

Dr. Gioele Di Marcoberardino

Guest Editors



mdpi.com/si/12522

Special Issue