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Production and Exploitation of Energy Carriers from Solar-Driven Thermochemical Processes

| Guest Editors: | Message from the Guest Editors |
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| Dr. Roberto Solimene | Dear Colleagues, |
| Dr. Gianluca Landi | The aim of this Special Issue is to contribute to the |
| Dr. Claudio Tregambi | knowledge on the production and exploitation of energy |
| Dr. Maurizio Troiano | carriers obtained by solar-driven thermochemical processes. The topics of interest include but are not limited to: |
| Deadline for manuscript submissions: closed (20 December 2022) | Thermal energy storage as sensible or latent heat from concentrated solar radiation; Color excited thermal hermical englage for the |

- Solar-assisted thermochemical cycles for the production of green fuels (e.g. H₂, CO, syngas) or solid materials for long-term and/or long-duration energy storage;
- Advanced materials for thermochemical cycles properties showing improved redox (thermodynamics, kinetics, etc.);
- Solar-assisted biomass thermoconversion: reactor. design, operation and performance;
- Advanced structured reactors with improved energy and mass transfer efficiency under concentrated sunlight;
- Stationary and mobile thermoconversion of solarderived fuels:
- Catalytic-assisted solar thermoconversion of solids: development of highly effective catalysts.

Dr. Roberto Solimene, Dr. Gianluca Landi, Dr. Maurizio Troiano and Dr. Clau **la**sue Guest Editors



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Message from the Editor-in-Chief

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