

Solar Energy Advances

Solar Energy Advances, an official journal of the International Solar Energy Society®, is an international multi-disciplinary journal with a focus on a broad range of themes relevant to solar energy technology, systems, policy, applications, and its impact on sustainable development, climate change, resilience, circular economy, and social justice.

EDITORIAL TEAM

Editor in Chief

Dr. Dionysia Kolokotsa,
Technical University of Crete, Greece

Subject Editors

Prof. Niki Frantzeskaki,
*Swinburne University of
Technology, Australia*

Prof. Dr. Werner Platzer,
*Fraunhofer Institute for Solar
Energy Systems, Germany*

Prof. Ricardo Rüther,
*Universidade Federal de Santa
Catarina, Brazil*

Prof. Veronica Soebarto,
*The University of Adelaide School
of Architecture and Built
Environment, Australia*

The journal covers research on integrated solar energy systems and their applications, optimised solar energy solutions and energy storage, hybrid energy systems including mini- and micro-power systems. Moreover, the Journal welcomes articles related to research and development in direct and indirect solar energy utilization, with special focus on new materials and technologies to improve the efficiency of applications, solar energy integration in buildings and urban environment, and integration with smart electricity and thermal grids and microgrids, district heating and cooling grids. Aspects of solar energy measurements, assessments, monitoring protocols, sensors, smart operation and controls, solar energy data analytics, artificial intelligence in solar energy systems and forecasting are included.

The Journal aims at further developing a cross sectoral approach in solar energy and sustainable development by exploiting the social aspects of solar energy, social engagement in solar energy applications, low-income and energy poverty, solar energy fair access and social justice.



Visit the journal homepage:
[sciencedirect.com/journal/solar-energy-advances](https://www.sciencedirect.com/journal/solar-energy-advances)

Solar Energy Advances

MOST DOWNLOADED ARTICLES

Update 2022 – A fundamental look at supply side energy reserves for the planet

Volume 2, 16 March 2022

Marc Perez, Richard Perez

TABSOLAR® – a novel approach of thermo-active (solar) building systems based on ultra-high performance concrete (UHPC)

Volume 2, 6 November 2022

Michael Hermann, Christina Hildebrandt, Jan Mattmüller, Artur Felic, Tino Sablotny, Iwiza Tesari, Klaus Bethge, Jens Böke

Renewable energy for a green future: Electricity produced from efficient luminescent solar concentrators

Volume 2, 16 March 2022

Aline Varella Rodrigues, Daniel Aragão Ribeiro de Souza, Francis Dayan Rivas Garcia, Sidney José Lima Ribeiro

Systematic review of nowcasting approaches for solar energy production based upon ground-based cloud imaging

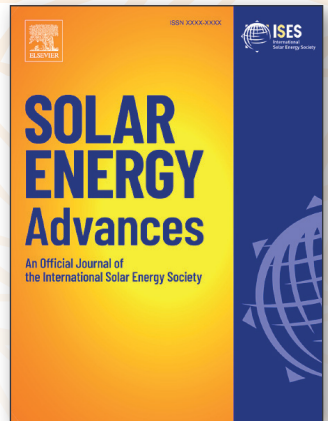
Volume 2, 9 July 2022

Bruno Juncklaus Martins, Allan Cerentini, Sylvio Luiz Mantelli, Thiago Zimmermann Loureiro Chaves, Nicolas Moreira Branco, Aldo von Wangenheim, Ricardo Rütther, Juliana Marian Arrais

Zero energy concept at neighborhood level: A case study analysis

Volume 1, 23 August 2021

Angeliki Mavrigiannaki, Kostas Gobakis, Dionysia Kolokotsa, Kostas Kalaitzakis, Anna Laura Pisello, Cristina Piselli, Marina Laskari, Maria Saliari, Margarita-Niki Assimakopoulos, Gloria Pignatta, Afroditi Synnefa, Mattheos Santamouris



Researcher Academy

Researcher Academy is a free e-learning platform designed to guide you through each stage of your research journey.

To find out more visit
<http://www.researcheracademy.com>



Visit the journal homepage:
sciencedirect.com/journal/solar-energy-advances