

# Special Issue

## Advances in Photovoltaics

### Message from the Guest Editor

Dear colleagues, Energy issues are important challenges that must be solved in the 21st century. Energy generation systems that rely on fossil fuels carry the risk of rapidly changing the global environment, and concerns about the risk are permeating the general public. This Special Issue is focused on materials from photovoltaic energy-harvesting systems, from devices to application of modules, and especially research papers on organic materials and perovskite materials. Perovskite materials have shown tremendous efficiency gains over the past decade and have demonstrated a high capacity. On the other hand, organic materials have a half-century of history, have steadily improved energy conversion efficiency, and are showing momentum close to silicon solar cells. To accelerate this momentum, we publish this Special Issue. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

### Guest Editor

Prof. Dr. Makoto Karakawa  
Kanazawa University, Kanazawa, Japan

### Deadline for manuscript submissions

closed (30 September 2021)



## Materials

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## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

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