

Special Issue

Recent Progresses in Thermoelectric Materials

Message from the Guest Editors

Pursuits in technology development and environmental sustainability have driven research trends in opposite directions until the blossoming of green energies, which satisfy the aims of both. Thermoelectric (TE) materials, which enable the conversion of thermal energy into electricity, are specialized in waste-heat recovery using a thermoelectric generator (TEG), or spot-cooling via a thermoelectric refrigerator. Both applications help ease the burden of the growing energy shortage issue and protect our earth by reducing heat emissions, making the TE technology green and sustainable. Keywords

- green energy
- thermoelectric materials
- thermoelectric modules
- thermal conductivity
- electrical conductivity

Guest Editors

Dr. Hsin-Jay Wu

Department of Materials Science and Engineering, National Chiao Tung University, Hsinchu 30010, Taiwan

Dr. Kesavan Manibalan

Department of Materials Science and Engineering, National Yang Ming Chiao Tung University, Hsinchu 30010, Taiwan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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