Special Issue

Progress in Cryocoolers

Message from the Guest Editors

Since the first liquefaction of the last “permanent gas” 4He in 1908 by Kamerlingh Onnes, the fascination with improving the efficiency of cryocooler has endured. Cryocoolers are being developed towards compactness, large cooling capacity, and low vibration. This Special Issue is dedicated to showcasing and sharing the latest progress across the entire cryocooler spectrum. We invite authors to submit original research articles, review papers, and case studies that fall within the following topics: Joule–Thomson (JT) cryocooler; Gifford–McMahon (GM) cryocooler; Vuilleumier (VM) cryocooler; Pulse tube cryocooler (GM type, VM type, Stirling type); Thermoacoustic cryocooler; Hybrid cryocooler; Regenerator; Heat transfer; Computational fluid dynamics; Various cryocooler applications.

Guest Editors

Dr. Changzhao Pan

Shenzhen International Quantum Academy (IQA), Shenzhen, China

Dr. Shaoshuai Liu

1. Shanghai Institute of Technical Physics, Shanghai 200083, China
2. University of Chinese Academy of Sciences, Beijing 100049, China

Deadline for manuscript submissions

31 October 2025

Cryo

an Open Access Journal by MDPI

mdpi.com/si/226183

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

mdpi.com/journal/cryo

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Editor-in-Chief

Prof. Dr. Yanzhong Li
Institute of Refrigeration and Cryogenic Engineering, Xi'an Jiaotong University, Xi'an 710049, China

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