



entropy



an Open Access Journal by MDPI

Phase Transition and Heat-Mass Transfer of Gas Hydrate in Sediment

Guest Editors:

Dr. Xiaosen Li

Key Laboratory of Gas Hydrate,
Guangzhou Institute of Energy
Conversion, Chinese Academy of
Sciences, Guangzhou 510641,
China

Dr. Yi Wang

Key Laboratory of Gas Hydrate,
Guangzhou Institute of Energy
Conversion, Chinese Academy of
Sciences, Guangzhou 510641,
China

Message from the Guest Editors

The NGH reservoir is a complex multi-phase and multi-component system composed of natural gas, water, hydrates, ice, sand, etc. The fundamental scientific issues involved in NGH exploitation not only include phase transition, the dynamic process of gas-liquid-solid multiphase seepage, and heat and mass transfer caused by NGH decomposition. These processes interact and restrict each other, which leads to the difficulty of NGH exploitation technology. Further progress on this front call for new exploitation techniques based on heat and mass transfer theory, as well as for an improved understanding of the meaning of entropy in complex systems. Contributions addressing any of these issues are very welcome.

Deadline for manuscript
submissions:

closed (31 December 2023)



mdpi.com/si/79103

Special Issue



entropy



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [PubMed](#), [PMC](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Physics, Multidisciplinary*) / CiteScore - Q1 (*Mathematical Physics*)

Contact Us

Entropy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/entropy
entropy@mdpi.com
[X@Entropy_MDPI](#)