

## <<热力学>>

### 图书基本信息

书名：<<热力学>>

13位ISBN编号：9787548707059

10位ISBN编号：7548707053

出版时间：2012-10

出版单位：中南大学出版社有限责任公司

作者：方正 著

页数：295

字数：373000

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

## <<热力学>>

### 内容概要

Professor Zheng FANG is working in Chemistry&Chemical Engineering College, Central South University. He is an advisor for Doctor's degree students. In 1978, Fang pursued graduate studies at the Central South University of Technology, where he completed his Ph.D. His thesis advisor was Xinmin CHEN, a famous chemist of physical chemistry for process metallurgy. Upon graduation, Fang was appointed Instructor in Chemistry and rose to the rank of Professor in 1991. He was then in 1993 to serve as the researcher to study foam extraction of the rare metal in the Chemistry Department of the Manitoba University in Canada. When he returned, he served as the Chief Librarian of the University until 2005. He began to study on the thermoelectrochemistry (TEC) at his early time. From 1993 through now, except teaching of the courses such as Physicochemistry, Thermodynamics of electrolyte solution and Thermodynamics for metallurgical Processes for undergraduate and graduate students. Fang has taken his time to supervise and complete several research subjects supported by the National Natural Science Foundation of China.

## <<热力学>>

### 书籍目录

#### Chapter 1 On Thermoelectrochemistry

- 1.1 Theory and Application of Thermoelectrochemistry
- 1.2 Some Basic Matters on the Heat Effects at Electrode-Electrolyte Interfaces
- 1.3 Thermoelectrochemistry and Its Application to Metallurgical Research
- 1.4 The Electrochemical Pehier Heat of the Standard Hydrogen Electrode Reaction
- 1.5 Response to "Comment on ' The Electrochemical Pehier Heat of the Standard Hydrogen Electrode Reaction' by Zheng Fang et al"
- 1.6 Basic Equations for Thermo-electrochemistry and the Entropy Change of the Standard Hydrogen Electrode Reaction
- 1.7 The Pehier Heat and the Standard Electrode Potential of Ferro ferricyanide Couple at 298.15K Determined by Electrochemical calorimetry
- 1.8 Determination of the Entropy Changes for Electrode Reaction and Dilute Enthalpy of Some Ions by Thermoelectrochemical Technology
- References

#### Chapter 2 On Solution Chemistry

- 2.1 A New Model for Predicting Thermodynamic Properties of Ternary Metallic Solution from Binary Components
- 2.2 A Metallic Solution Model with Adjustable Parameter for Describing Ternary Thermodynamic Properties from Its Binary Constituei
- 2.3 A Model Describing the Osmotic Coefficients and the Activities of Water for Electrolyte Solutions

.....

#### Chapter3 On Phase Boundaries of Multicomponent System

#### Chapter4 On Oxygen Potentials of Buffer Gases

#### Chapter5 On Thermodynamic Properties of Substances

<<热力学>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>