

Table of contents

- **Preface**
- **1 Models for diffusion**
- **Part I Fundamentals of Diffusion**
- **2 Diffusion in dilute solutions**
- **3 Diffusion in concentrated solutions**
- **4 Dispersion**
- **Part II Diffusion Coefficients**
- **5 Values of diffusion coefficients**
- **6 Diffusion of interacting species**
- **7 Multicomponent diffusion**
- **Part III Mass Transfer**
- **8 Fundamentals of mass transfer**
- **9 Theories of mass transfer**
- **10 Absorption**
- **11 Absorption in biology and medicine**
- **12 Differential distillation**
- **13 Staged distillation**
- **14 Extraction**
- **15 Absorption**
- **Part IV Diffusion Coupled with other Processes**
- **16 General questions and heterogeneous chemical reactions**
- **17 Homogeneous chemical reactions**
- **18 Membranes**
- **19 Controlled release and related phenomena**
- **20 Heat transfer**
- **21 Simultaneous heat and mass transfer**
- **Problems**
- **Subject index**
- **Materials index**