

CONTENTS

|   |     |
|---|-----|
| 1. Solvent extraction: the current position                       | 1   |
| 2. The chemistry of solvent extraction                            | 15  |
| 3. Industrial inorganic processes                                 | 93  |
| 4. Industrial organic processes                                   | 113 |
| 5. Industrial contacting equipment                                | 139 |
| 6. Response characteristics and control of extraction processes   | 169 |
| 7. Calculation of contactors with longitudinal mixing             | 197 |
| 8. The study of longitudinal mixing in liquid – liquid contactors | 237 |
| 9. Interfacial phenomena  | 293 |
| 10. Mass transfer to drops  | 367 |
| 11. Simultaneous heat and mass transfer                           | 407 |
| 12. Mass transfer with simultaneous chemical reaction             | 429 |
| 13. Heat transfer by direct liquid – liquid contact               | 455 |
| 14. Coalescence of liquid droplets and liquid dispersion          | 495 |
| 15. References  | 518 |