

CONTENTS

1. Interfacial phenomena in fluid phase separation processes	1
2. Separations by slurry extraction	33
3. Liquid ion exchange in hydrometallurgy	47
4. Separation of gaseous mixtures by regenerative sorption porous solids	
part 1 –A fluid porous solid reaction model with structural changes	59
5. Part II – Regenerative separating of co 2	71
6. Heatless fractionation of gases over solid adsorbents	95
7. Separation by permeation through polymeric membranes	107
8. Electrodialysis and other ion selective processes	157
9. Reverse osmosis	171
10. Cross flow filtration	205
11. Ultrafiltration in the chemical, food processing, pharmaceutical , and medical industries	227
12. Origins of separation systems	269
13. Author index	281
14. Subject index	289