

---

# Contents

<b>Multiphase Catalysis in Industry</b> H. Hugl · M. Nobis . . . . .	1
<b>Multiphase Catalysis in Temperature-Dependent Multi-Component Solvent (TMS) Systems</b> A. Behr · B. Turkowski · R. Roll · R. Schöbel · G. Henze . . . . .	19
<b>PEG-Modified Ligands for Catalysis and Catalyst Recycling in Thermoregulated Systems</b> E. Hermanns · J. Hasenjäger · B. Drießen-Hölscher <sup>†</sup> . . . . .	53
<b>Temperature-Controlled Catalyst Recycling: New Protocols Based upon Temperature-Dependent Solubilities of Fluorous Compounds and Solid/Liquid Phase Separations</b> J. A. Gladysz · V. Tesevic . . . . .	67
<b>Regulated Systems for Catalyst Immobilisation Based on Supercritical Carbon Dioxide</b> J. Langanke · W. Leitner . . . . .	91
<b>Evaluation of Supercritical Carbon Dioxide as a Tuneable Reaction Medium for Homogeneous Catalysis</b> S. Pitter · E. Dinjus · C. Ionescu · C. Maniut · P. Makarczyk · F. Patcas . . .	109
<b>Catalytic SILP Materials</b> A. Riisager · R. Fehrmann · M. Haumann · P. Wasserscheid . . . . .	149
<b>Engineering Aspects of Aqueous Biphasic Catalysis</b> Y. Önal · P. Claus . . . . .	163
<b>Author Index Volumes 1–24 . . . . .</b>	193
<b>Subject Index . . . . .</b>	205