

Contents of Volume 34

Vol. 34, Nos. 1–2

Directory of Catalysis	S1
Previous issues of <i>Catalysis Today</i>	A1

Vol. 34, Nos. 3–4

Preface	
D. Sanfilippo	259
<i>Chapter 1</i>	
Catalysis: through cultural synergism to the target	
D. Sanfilippo	261
<i>Chapter 2</i>	
Classification of industrial catalysts and catalysis for the petrochemical industry	
F. Cavani and F. Trifirò	269
<i>Chapter 3</i>	
Catalyst preparation methods	
C. Perego and P. Villa	281
<i>Chapter 4</i>	
Catalyst characterization: characterization techniques	
G. Leofanti, G. Tozzola, M. Padovan, G. Petrini, S. Bordiga and A. Zecchina	307
<i>Chapter 5</i>	
Catalyst characterization: applications	
G. Leofanti, G. Tozzola, M. Padovan, G. Petrini, S. Bordiga and A. Zecchina	329
<i>Chapter 6</i>	
Laboratory reactors	
L. Forni	353
<i>Chapter 7</i>	
Laboratory scale plants for catalytic tests	
L. Cavalli and A. Di Mario	369
<i>Chapter 8</i>	
Importance and significance of patents	
V. Fattore	379

Chapter 9

Kinetics and transport phenomena

E. Santacesaria	393
---------------------------	-----

Chapter 10

Kinetic study of a simple chemical reaction

P. Forzatti.	401
----------------------	-----

Chapter 11

Kinetics and transport phenomena in heterogeneous gas–solid and gas–liquid–solid systems

E. Santacesaria	411
---------------------------	-----

Chapter 12

Interaction between chemical kinetics and transport phenomena in monolithic catalysts

E. Tronconi	421
-----------------------	-----

Chapter 13

Approach to the industrial process

R. Trotta and I. Miracca	429
------------------------------------	-----

Chapter 14

Case history: synthesis and decomposition of MTBE

R. Trotta and I. Miracca	447
------------------------------------	-----

Chapter 15

Fixed-capital cost estimating

M. D'Adda	457
---------------------	-----

Chapter 16

Methodologies for economic and financial analysis

M.A. Solinas	469
------------------------	-----

Chapter 17

Scale up of chemical reactors

G. Donati and R. Paludetto.	483
-------------------------------------	-----

Chapter 18

Scale-up of catalyst production

N. Pernicone	535
------------------------	-----

Author Index Volume 34.	549
---------------------------------	-----

Contents of Volume 34.	551
--------------------------------	-----

Previous issue of Catalysis Today	A1
---	----