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| Autore | Yates John G |
| Titolo | Fluidized-Bed Reactors: Processes and Operating Conditions / / by John G. Yates, Paola Lettieri |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016 |
| ISBN | 3-319-39593-9 |
| Edizione | [1st ed. 2016.] |
| Descrizione fisica | 1 online resource (XVIII, 205 p. 66 illus., 7 illus. in color.) |
| Collana | Particle Technology Series, , 1567-827X ; ; 26 |
| Disciplina | 547 |
| Soggetti | Amorphous substances |
| | Complex fluids |
| | Chemical engineering |
| | Fluid mechanics |
| | Fluids |
| | Waste management |
| | Soft and Granular Matter, Complex Fluids and Microfluidics |
| | Industrial Chemistry/Chemical Engineering |
| | Engineering Fluid Dynamics |
| | Fluid- and Aerodynamics |
| | Waste Management/Waste Technology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references at the end of each chapters and indexes. |
| Nota di contenuto | Dedication Acknowledgement Foreword Preface |
| | Introduction Catalytic Processes Non-Catalytic Processes, |
| | Combustion, Gasification and Chemical Looping Conversion of Biomass and Waste Fuels in Fluidized-Bed Reactors Effect of Process |
| | Conditions on Fluidization Fluidized-Bed Scaling Subject Index Author Index. |
| Sommario/riassunto | The fluidized-bed reactor is the centerpiece of industrial fluidization |
| | processes. This book focuses on the design and operation of fluidized |
| | beds in many different industrial processes, emphasizing the rationale |
| | for choosing fluidized beds for each particular process. The book starts with a brief history of fluidization from its incontion in the 1940's. The |
| | with a brief history of fluidization from its inception in the 1940's. The |

authors present both the fluid dynamics of gas-solid fluidized beds and the extensive experimental studies of operating systems and they set them in the context of operating processes that use fluid-bed reactors. Chemical engineering students and postdocs as well as practicing engineers will find great interest in this book.