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Titolo	The seven deadly sins [[electronic resource]] : from communities to individuals // edited by Richard Newhauser
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Altri autori (Persone)	NewhauserRichard <1947->
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The present volume represents a selection of the research stimulated by [the editor's] summer seminar on 'The Seven Deadly Sins as Cultural Constructions in the Middle Ages,' which was held at Darwin College, Cambridge University, July 12-August 13, 2004"--P. [1].
Nota di bibliografia	Includes bibliographical references (p. [275]-293) and indexes.
Nota di contenuto	Preliminary Materials / R. Newhauser -- Introduction: Cultural Construction And The Vices / Richard Newhauser -- Sin And The Construction Of Carolingian Kingship / Dwight D. Allman -- Envy In The Intellectual Discourse Of The High Middle Ages / Bridget K. Balint -- 'The Ooze Of Gluttony': Attitudes Towards Food, Eating, And Excess In The Middle Ages / Susan E. Hill -- Cassian, Nocturnal Emissions, And The Sexuality Of Jesus / John Kitchen -- Pride Goes Before A Fall: Aldhelm's Practical Application Of Gregorian And Cassianic Conceptions Of Superbia And The Eight Principal Vices / Rhonda L. Mcdaniel -- Biblical Liars And Thirteenth-Century Theologians / Dallas G. Denery -- 'The Hard Bed Of The Cross': Good Friday Preaching And The Seven Deadly Sins / Holly Johnson -- Dressed To The Sevens, Or Sin In Style: Fashion Statements By The Deadly Vices In Spanish Baroque Autos Sacramentales / Hilaire Kallendorf -- 'Blessed Are They That Hunger After Justice': From Vice To Beatitude

In Dante's Purgatorio / V. S. Benfell -- Greed And Anti-Fraternality In Chaucer's 'Summoner's Tale' / Derrick G. Pitard -- Social Status And Sin: Reading Bosch's Prado Seven Deadly Sins And Four Last Things Painting / Laura D. Gelfand -- Freud As Virgil: The Anthropologies Of Psychoanalysis And The Commedia / Thomas Parisi -- Bibliography / R. Newhauser -- Index Of Names / R. Newhauser -- Index Of Subjects / R. Newhauser.

Sommario/riassunto

This volume presents a selection of essays undertaken by participants in an NEH Summer Seminar in 2004 on the topic of the seven deadly sins, viewed individually and as a whole, as part of the Begriffsgeschichte of the Middle Ages and beyond in which concepts are constructed within the cultural milieus in which they function. The essays in the first part study the political and social ethics of medieval communities. In the second part, the institutional imperatives within the Church of formulating and teaching about the capital vices are the focus of research. In the final section, the contributions deal with ways in which secular artists and authors (in particular, Dante) contribute to the cultural construction of the vices. Contributors include: Dwight D. Allman, Bridget K. Balint, V. S. Benfell III, Dallas G. Denery II, Laura D. Gelfand, Susan E. Hill, Holly Johnson, Hilaire Kallendorf, John Kitchen, Rhonda L. McDaniel, Richard Newhauser, Thomas Parisi, and Derrick G. Pitard.

2. Record Nr.	UNINA9911019702803321
Autore	Belfiore Laurence A
Titolo	Transport phenomena for chemical reactor design // Laurence A. Belfiore
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Descrizione fisica	1 online resource (912 pages)
Disciplina	660/.2832
Soggetti	Transport theory Chemical reactors - Fluid dynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 861-864) and index.
Nota di contenuto	TRANSPORT PHENOMENA FOR CHEMICAL REACTOR DESIGN; CONTENTS; PREFACE; PART I ELEMENTARY TOPICS IN CHEMICAL REACTOR DESIGN; 1 Multiple Chemical Reactions in Plug Flow Tubular Reactors and Continuous Stirred Tank Reactors; 1-1 Gas-Phase Plug-Flow Tubular Reactors That Produce Triethanolamine from Ethylene Oxide and Ammonia; 1-2 Multiple Chemical Reactions in a Liquid-Phase CSTR; 1-3 Multiple Chemical Reactions in a CSTR Train; Problems; 2 Start Up Behavior of a Series Configuration of Continuous Stirred Tank Reactors; 2-1 Analysis of Multiple Reactions in Two CSTRs: Illustrative Problem 2-2 Analysis of a Train of Five CSTRs: Illustrative Problem Problems; 3 Adiabatic Plug-Flow Tubular Reactor That Produces Methanol Reversibly in the Gas Phase from Carbon Monoxide and Hydrogen; 3-1

Temperature-Averaged Specific Heats; 3-2 Conversion Dependence of Mass Fraction and Heat Capacity of the Mixture; 3-3 Plug-Flow Mass Balance in Terms of CO Conversion; 3-4 Thermal Energy Balance for a Differential Reactor; 3-5 Thermodynamics of Multicomponent Mixtures; 3-6 Coupled Heat and Mass Transfer; 3-7 Kinetics and Thermodynamics of Elementary Reversible Reactions in the Gas Phase 3-8 Integration of the Nonisothermal PFR Design EquationProblems; 4 Coupled Heat and Mass Transfer in Nonisothermal Liquid-Phase Tubular Reactors with Strongly Exothermic Chemical Reactions; 4-1 Strategies to Control Thermal Runaway; 4-2 Parametric Sensitivity Analysis; 4-3 Endothermic Reactions in a Cocurrent Cooling Fluid; 4-4 Countercurrent Cooling in Tubular Reactors with Exothermic Chemical Reactions; 4-5 Manipulating the Inlet/Outlet Temperature of a Countercurrent Cooling Fluid: Multiple Stationary-State Behavior in Exothermic PFRs; Problems

5 Multiple Stationary States in Continuous Stirred Tank Reactors5-1 Mass Balance; 5-2 Chemical Kinetics; 5-3 Thermal Energy Balance; 5-4 Multiple Stationary States; 5-5 Endothermic Chemical Reactions; Problems; 6 Coupled Heat and Mass Transfer with Chemical Reaction in Batch Reactors; 6-1 Isothermal Analysis of Experimental Rate Data; 6-2 Formalism for Multiple Reactions; 6-3 Adiabatic Operation; 6-4 Nonisothermal Analysis of a Constant-Volume Batch Reactor; Problems; 7 Total Pressure Method of Reaction-Rate Data Analysis

7-1 Elementary Reversible Gas-Phase Reactions in a Constant-Volume Flask7-2 Generalized Linear Least-Squares Analysis for a Second-Order Polynomial with One Independent Variable; Problems; PART II TRANSPORT PHENOMENA: FUNDAMENTALS AND APPLICATIONS; 8 Applications of the Equations of Change in Fluid Dynamics; 8-1 Important Variables; 8-2 Physical Properties in Fluid Dynamics; 8-3 Fundamental Balance in Momentum Transport; 8-4 Equation of Motion; 8-5 Exact Differentials; 8-6 Low-Reynolds-Number Hydrodynamics; 8-7 Potential Flow Theory; Problems; 9 Derivation of the Mass Transfer Equation

9-1 Accumulation Rate Process

Sommario/riassunto

Laurence Belfiore's unique treatment meshes two mainstream subject areas in chemical engineering: transport phenomena and chemical reactor design. Expressly intended as an extension of Bird, Stewart, and Lightfoot's classic Transport Phenomena, and Froment and Bischoff's Chemical Reactor Analysis and Design, Second Edition, Belfiore's unprecedented text explores the synthesis of these two disciplines in a manner the upper undergraduate or graduate reader can readily grasp. Transport Phenomena for Chemical Reactor Design approaches the design of chemical reactors from microscopi
