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Chemical Analysis A Theoretical Inquiry Into the Physical Cause of Epidemic Diseases ... A Companion to the British Pharmacopœia; comparing the strength of the various preparations with those of the London, Edinburgh, and Dublin, United States, and other foreign pharmacopœias. With practical hints on prescribing A Practical Treatise on Morbus Coxarius, Or Hip Joint Disease; Shewing the Advantages to be Derived from a System of Mechanical Management, Etc Catalog of Copyright Entries. Third Series Chemical Engineering Design London Catalogue of Books with Their Sizes, Prices, and Publishers Particulate Products A Practical Treatise on the Diseases of the Testis The Edinburgh Review Lees' Loss Prevention in the Process Industries London Catalogue of Books The London Catalogue of Books Fundamentals and Practical Aspects of Gas Injection

Coulson and Richardson's Chemical Engineering

2017-08-23

coulson and richardson s chemical engineering volume 3b process control fourth edition covers reactor design flow modeling and gas liquid and gas solid reactions and reactors converted from textbooks into fully revised reference material content ranges from foundational through to technical added emerging applications numerical methods and computational tools

Coulson and Richardson's Chemical Engineering

2019-04-15

coulson and richardson s chemical engineering volume 2a particulate systems and particle technology sixth edition has been fully revised and updated to provide practitioners with an overview of chemical engineering including clear explanations of theory and thorough coverage of practical applications all supported by case studies a worldwide team of contributors has pooled their experience to revise old content and add new content the content has been updated to be more useful to practicing engineers this complete reference

to chemical engineering will support you throughout your career as it covers every key chemical engineering topic fluid flow heat transfer and mass transfer has been developed from the series volume 1 6th edition this volume covers the three main transport process of interest to chemical engineers momentum transfer fluid flow heat transfer and mass transfer and the relationships between them particulate systems and particle technology has been developed from the series volume 2 5th edition this volume covers the properties of particulate systems including the character of individual particles and their behavior in fluids sedimentation of particles both singly and at high concentrations flow in packed and fluidized beds and filtration are then examined separation processes has been developed from the series volume 2 5th edition this volume covers distillation and gas absorption which illustrate applications of the fundamental principles of mass transfer several techniques adsorption ion exchange chromatographic and membrane separations and process intensification are described chemical and biochemical reactors and reaction engineering has been developed from the series volume 3 3rd edition features fully revised reference material converted from textbooks covers foundational to technical topics features emerging applications numerical methods and computational tools

Coulson and Richardson's Chemical Engineering

2022-09-09

coulson and richardson s chemical engineering volume 2b separation processes sixth edition covers distillation and gas absorption illustrating applications of the fundamental principles of mass transfer several techniques including adsorption ion exchange chromatographic membrane separations and process intensification are comprehensively covered and explored presents content converted from textbooks into fully revised reference material provides content that ranges from foundational to technical includes new additions such as emerging applications numerical methods and computational tools

Coulson and Richardson's Chemical Engineering

2017-09-26

coulson and richardson s chemical engineering volume 3a chemical and biochemical reactors and reaction engineering fourth edition covers reactor design flow modelling gas liquid and gas solid reactions and reactors captures content converted from textbooks into fully revised reference material includes content ranging from foundational through technical features

emerging applications numerical methods and computational tools

Information Sources in Engineering

2012-04-17

the current thoroughly revised and updated edition of this approved title evaluates information sources in the field of technology it provides the reader not only with information of primary and secondary sources but also analyses the details of information from all the important technical fields including environmental technology biotechnology aviation and defence nanotechnology industrial design material science security and health care in the workplace as well as aspects of the fields of chemistry electro technology and mechanical engineering the sources of information presented also contain publications available in printed and electronic form such as books journals electronic magazines technical reports dissertations scientific reports articles from conferences meetings and symposiums patents and patent information technical standards products electronic full text services abstract and indexing services bibliographies reviews internet sources reference works and publications of professional associations information sources in engineering is aimed at librarians and information scientists in technical fields as well as non professional information specialists who have to provide information about technical issues furthermore this title is of great value

to students and people with technical professions

Catalog of Copyright Entries. Third Series

1967

includes part 1 number 1 books and pamphlets including serials and contributions to periodicals january june

Coulson & Richardson's Chemical Engineering: Particle technology and separation processes. 5th ed

1996

this text covers the properties of particulate system including the character of individual particles and their behaviour in fluids

Coulson & Richardson's Chemical Engineering

2002

petroleum refining with no new refineries having been built in decades companies continue to build onto or reverse engineer and re tool existing refineries with so many changes in the last few years alone books like this are very much in need there is truly a renaissance for chemical and process engineering going on right now across multiple industries this fifth and final volume in the petroleum refining design and applications handbook set this book continues the most up to date and comprehensive coverage of the most significant and recent changes to petroleum refining presenting the state of the art to the engineer scientist or student besides the list below this groundbreaking new volume describes blending of products from the refinery applying the ternary diagrams and classifications of crude oils flash point blending pour point blending aniline point blending smoke point and viscosity blending cetane and diesel indices the volume further reviews refinery operational cost cost allocation of actual usage project and economic evaluation involving cost estimation cash flow involving return on investment net present values discounted cash flow rate of return net present values payback period inflation and sensitivity analysis and so on it reviews global effects on the refining economy carbon tax carbon foot print global warming potential carbon dioxide equivalent carbon credit carbon offset carbon price and so on it reviews

sustainability in petroleum refining and alternative fuels biofuels and so on impact of the overall greenhouse effects carbon capture and storage in refineries process intensification in biodiesel biofuel from green diesel acid gas removal and emerging technologies carbon capture and storage gas heated reformer unit pressure swing adsorption process steam methane reforming for fuel cells grey blue and green hydrogen production new technologies for carbon capture and storage carbon clean process design refinery of the future refining and petrochemical industry characteristics the text is packed with excel spreadsheet calculations and honeywell unisim design software in some examples and it includes an invaluable glossary of petroleum and petrochemical technical terminologies useful as a textbook this is also an excellent handy go to reference for the veteran engineer a volume no chemical or process engineering library should be without written by one of the world s foremost authorities this book sets the standard for the industry and is an integral part of the petroleum refining renaissance it is truly a must have for any practicing engineer or student in this area

Catalogue of Printed Books

1886

transport phenomena of foods and biological materials provides comprehensive coverage of

transport phenomena modeling in foods and other biological materials the book is unique in its consideration of models ranging from rigorous mathematical to empirical approaches including phenomenological and semi empirical models it examines cell structure and descriptions of other non traditional models such as those based on irreversible thermodynamics or those focused on the use of the chemical and electrochemical potential as the driving forces of transport other topics discussed include the source term important for the coupling transport phenomena reaction or other intentional unintentional phenomena and the connections between transport phenomena modeling and design aspects some 100 tables provide useful summaries of the characteristics of each model and provide data about the transport properties of an extensive variety of foods transport phenomena of foods and biological materials will benefit a broad audience of chemists biochemists biotechnologists and other scientists in the academic and industrial realm of foods and biological materials

Petroleum Refining Design and Applications Handbook, Volume 5

2023-07-25

contains substantially the lectures delivered in the spring of 1863 at the royal college of surgeons of england known primarily as the protagonist of evolution in the controversies

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immediately following the publication of darwin s on the origin of species late in 1859 zoologist huxley studied and wrote on a wide range of subjects including education philosophy evolution and religion in 1863 he delivered a course of lectures at the college of surgeons on the classification of animals and another on the vertebrate skull the scrupulous care with which he endeavored to verify by actual observation every statement made in his lectures rendered the labor of preparation very great sir william flower describes the way in which he would spend long evenings at the college of surgeons dissecting animals available among the stores or making rapid notes and drawings after a day s work in jermyn street the consequences were twofold the vivid impression of his own recent experience was communicated to his hearers and the work of preparation became at once an incentive to further research and a means of pursuing it dnb

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1886

chemical engineering design second edition deals with the application of chemical engineering principles to the design of chemical processes and equipment revised throughout this edition has been specifically developed for the u s market it provides the

latest us codes and standards including api asme and isa design codes and ansi standards it contains new discussions of conceptual plant design flowsheet development and revamp design extended coverage of capital cost estimation process costing and economics and new chapters on equipment selection reactor design and solids handling processes a rigorous pedagogy assists learning with detailed worked examples end of chapter exercises plus supporting data and excel spreadsheet calculations plus over 150 patent references for downloading from the companion website extensive instructor resources including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors this text is designed for chemical and biochemical engineering students senior undergraduate year plus appropriate for capstone design courses where taken plus graduates and lecturers tutors and professionals in industry chemical process biochemical pharmaceutical petrochemical sectors new to this edition revised organization into part i process design and part ii plant design the broad themes of part i are flowsheet development economic analysis safety and environmental impact and optimization part ii contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects new discussion of conceptual plant design flowsheet development and revamp design significantly increased coverage of capital cost estimation process costing and economics new chapters on equipment selection reactor design and solids handling processes new sections on fermentation adsorption membrane separations ion exchange and chromatography increased

coverage of batch processing food pharmaceutical and biological processes all equipment chapters in part ii revised and updated with current information updated throughout for latest us codes and standards including api asme and isa design codes and ansi standards additional worked examples and homework problems the most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries a rigorous pedagogy assists learning with detailed worked examples end of chapter exercises plus supporting data and excel spreadsheet calculations plus over 150 patent references for downloading from the companion website extensive instructor resources 1170 lecture slides plus fully worked solutions manual available to adopting instructors

British Museum Catalogue of printed Books

1886

particulate products make up around 80 of chemical products from all industry sectors examples given in this book include the construction materials fine ceramics and concrete the delicacies chocolate and ice cream pharmaceutical powders medical inhalers and sun screen liquid and powder paints size distribution and the shape of the particles provide for different functionalities in these products some functions are general others specific general

functions are powder flow and require at the typical particulate concentrations of these products that the particles cause adequate rheological behavior during processing and or for product performance therefore this book addresses particle packing as well as its relation to powder flow and rheological behavior moreover general relationships to particle size are discussed for e g color and sensorial aspects of particulate products product specific functionalities are often relevant for comparable product groups particle size distribution and shape provide for example the following functionalities dense particle packing in relation to sufficient strength is required in concrete construction ceramic objects and pharmaceutical tablets good sensorial properties mouthfeel to chocolate and ice cream effective dissolution flow and compression properties for pharmaceutical powders adequate hiding power and effective coloring of paints for protection and the desired esthetical appeal of the objects adequate protection of our body against sun light by sunscreen effective particle transport and deposition to desired locations for medical inhalers and powder paints adequate particle size distribution shape and porosity of particulate products have to be achieved in order to reach optimum product performance this requires adequate management of design and development as well as sufficient knowledge of the underlying principles of physics and chemistry moreover flammability explosivity and other health hazards from powders during handling are taken into account this is necessary since great risks may be involved in all aspects the most relevant parameters of the size distribution and particle shape have to be selected in this book experts in the different product fields have contributed to the product

chapters this provides optimum information on what particulate aspects are most relevant for behavior and performance within specified industrial products and how optimum results can be obtained it differs from other books in the way that the critical aspects of different products are reported so that similarities and differences can be identified we trust that this approach will lead to improved optimization in design development and quality of many particulate products

Lectures on the Elements of Comparative Anatomy

1864

over the last three decades the process industries have grown very rapidly with corresponding increases in the quantities of hazardous materials in process storage or transport plants have become larger and are often situated in or close to densely populated areas increased hazard of loss of life or property is continually highlighted with incidents such as flixborough bhopal chernobyl three mile island the phillips 66 incident and piper alpha to name but a few the field of loss prevention is and continues to be of supreme importance to countless companies municipalities and governments around the world because of the trend for processing plants to become larger and often be situated in or close to densely populated areas thus increasing the hazard of loss of life or property this book is a detailed guidebook

to defending against these and many other hazards it could without exaggeration be referred to as the bible for the process industries this is the standard reference work for chemical and process engineering safety professionals for years it has been the most complete collection of information on the theory practice design elements equipment regulations and laws covering the field of process safety an entire library of alternative books and cross referencing systems would be needed to replace or improve upon it but everything of importance to safety professionals engineers and managers can be found in this all encompassing reference instead frank lees world renowned work has been fully revised and expanded by a team of leading chemical and process engineers working under the guidance of one of the world s chief experts in this field sam mannan is professor of chemical engineering at texas a m university and heads the mary kay o connor process safety center at texas a m he received his ms and ph d in chemical engineering from the university of oklahoma and joined the chemical engineering department at texas a m university as a professor in 1997 he has over 20 years of experience as an engineer working both in industry and academia new detail is added to chapters on fire safety engineering explosion hazards analysis and suppression and new appendices feature more recent disasters the many thousands of references have been updated along with standards and codes of practice issued by authorities in the us uk europe and internationally in addition to all this more regulatory relevance and case studies have been included in this edition written in a clear and concise style loss prevention in the process industries covers traditional areas of

personal safety as well as the more technological aspects and thus provides balanced and in depth coverage of the whole field of safety and loss prevention a must have standard reference for chemical and process engineering safety professionals the most complete collection of information on the theory practice design elements equipment and laws that pertain to process safety only single work to provide everything principles practice codes standards data and references needed by those practicing in the field

Clinical Surgery in India

1866

this book covers different aspects of gas injection from the classic pressure maintenance operation to enhanced oil recovery eor underground gas storage ugs and carbon capture and storage ccs the authors detail the unique characteristics and specific criteria of each application including material balance equations phase behaviour reservoir engineering well design operating aspects surface facilities environmental issues examples data and simulation codes are provided to enable the reader to gain an in depth understanding of these applications fundamentals and practical aspects of gas injection will be of use to practising engineers in the fields of reservoir engineering and enhanced oil recovery it will also be of interest to researchers academics and graduate students working in the field of

petroleum engineering

Transport Phenomena of Foods and Biological Materials

2017-10-02

Lectures on diseases of the eye

1866

A Practical treatise on apoplexy (cerebral hemorrhage)

1866

China from a Medical Point of View in 1860 and 1861

1863

Lectures on syphilitic and vaccinosyphilitic inoculations

1863

Musical Opinion and Music Trade Review

1916

The British National Bibliography

2005

Lectures on the Elements of Comparative Anatomy

1864

Principles of human physiology

1864

On the diseases of the bladder and prostate gland

1857

Cholera; Its Seat, Nature, and Treatment

1866

**Elementary instruction in chemical analysis [tr. from
Anleitung zur qualitativen chemischen Analyse] ed. by
J.L. Bullock**

1864

**A System of Instruction in Qualitative Chemical
Analysis**

1864

***A Theoretical Inquiry Into the Physical Cause of
Epidemic Diseases ...***

1865

A Companion to the British Pharmacopœia; comparing the strength of the various preparations with those of the London, Edinburgh, and Dublin, United States, and other foreign pharmacopœias. With practical hints on prescribing

1864

A Practical Treatise on Morbus Coxarius, Or Hip Joint Disease; Shewing the Advantages to be Derived from a System of Mechanical Management, Etc

1866

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1971

Chemical Engineering Design

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1835

Particulate Products

2013-11-19

A Practical Treatise on the Diseases of the Testis

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The Edinburgh Review

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Lees' Loss Prevention in the Process Industries

2005-01-10

London Catalogue of Books

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Fundamentals and Practical Aspects of Gas Injection

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