

The Process Poerner

Fundamentals and Applications of Supercritical Carbon Dioxide (SCO₂) Based Power Cycles aims to provide engineers and researchers with an authoritative overview of research and technology in this area. Part One introduces the technology and reviews the properties of SCO₂ relevant to power cycles. Other sections of the book address components for SCO₂ power cycles, such as turbomachinery expanders, compressors, recuperators, and design challenges, such as the need for high-temperature materials. Chapters on key applications, including waste heat, nuclear power, fossil energy, geothermal and concentrated solar power are also included. The final section addresses major international research programs. Readers will learn about the attractive features of SCO₂ power cycles, which include a lower capital cost potential than the traditional cycle, and the compounding performance benefits from a more efficient thermodynamic cycle on balance of plant requirements, fuel use, and emissions. Represents the first book to focus exclusively on SCO₂ power cycles Contains detailed coverage of cycle fundamentals, key components, and design challenges Addresses the wide range of applications of SCO₂ power cycles, from more efficient electricity generation, to ship propulsion

“A” Dictionary of Chemistry,

The Encyclopaedia Britannica

Including the Latest Inventions and Improvements; Also a Description of the Origin, Manufacture, Uses, and Chemical Properties of the Various ...

Substances Employed in These Arts. With an Appendix ...

Encyclopaedia Perthensis; Or Universal Dictionary of the Arts, Sciences, Literature, &c. Intended to Supersede the Use of Other Books of Reference

The Encyclopædia Britannica, Or, Dictionary of Arts, Sciences, and General Literature

Or Dictionary of Arts and Sciences, Comprising an Accurate and Popular View of the Present Improved State of Human Knowledge

It is often assumed that natural philosophy was the forerunner of early modern natural sciences. But where did these sciences' systematic observation and experimentation get their starts? In Materials and Expertise in Early Modern Europe, the laboratories, workshops, and marketplaces emerge as arenas where hands-on experience united with higher learning. In an age when chemistry, mineralogy, geology, and botany intersected with mining, metallurgy, pharmacy, and gardening, materials were objects that crossed disciplines. Here, the contributors tell the stories of metals, clay, gunpowder, pigments, and foods, and thereby demonstrate the innovative practices of technical experts, the development of the consumer market, and the formation of the observational and experimental sciences in the early modern period. Materials and Expertise in Early Modern Europe showcases a broad variety of forms of knowledge, from ineffable bodily skills and technical competence to articulated know-how and connoisseurship, from methods of measuring, data gathering, and classification to analytical and theoretical knowledge. By exploring the hybrid expertise involved in the making, consumption, and promotion of various materials, and the fluid boundaries they traversed, the book offers an original perspective on important issues in the history of science, medicine, and technology.

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The Cyclopædia; Or, Universal Dictionary of Arts, Sciences, and Literature. By Abraham Rees, ... with the Assistance of Eminent Professional Gentlemen. Illustrated with Numerous Engravings, by the Most Distinguished Artists. In Thirty-nine Volumes. Vol. 1 [- 39]

The Encyclopaedia BritannicaOr, Dictionary of Arts, Sciences, and General Literature“The” Encyclopaedia Britannica,or, Dictionary of Arts, Sciences, and Miscellaneous LiteratureThe Encyclopædia Britannica, Or, Dictionary of Arts, Sciences, and General LiteratureThe Encyclopaedia Britannica, Or Dictionary of Arts, Sciences, and General Literature“The” Encyclopaedia Britannica, Or, A Dictionary of Arts, Sciences and General LiteratureThe Encyclopaedia BritannicaOr, Dictionary of Arts, Sciences and General LiteratureThe Encyclopædia Britannica, Or, Dictionary of Arts, Sciences, and General Literature ... with Preliminary Dissertations on the History of the Sciences, and Other Extensive Improvements and Additions; Including the Late Supplement, a General Index, and Numerous EngravingsThe Encyclopædia Britannica, Or, Dictionary of Arts, Sciences, and General Literature, with Extensive Improvements and Additions, and Numerous EngravingsEncyclopaedia Britannica; Or A Dictionary of Arts, Sciences, and Miscellaneous LiteratureEncyclopædia Britannica: or, A dictionary of arts and sciences, compiled by a society of gentlemen in Scotland [ed. by W. Smellie]. Suppl. to the 3rd. ed., by G. GleigEncyclopædia Britannica: Or, a Dictionary of Arts, Sciences, and Miscellaneous Literature; Enlarged and Improved. Vol. 1. [- 20.]Index of Patents Issued from the United States Patent and Trademark OfficeThe Encyclopaedia Britannica. Or, A Dictionary of Arts, Sciences, and Miscellaneous LiteratureEncyclopædia Britannica ...A Practical Treatise on Dyeing and Calico-printingIncluding the Latest Inventions and Improvements; Also a Description of the Origin, Manufacture, Uses, and Chemical Properties of the Various ... Substances Employed in These Arts. With an

Appendix ...Encyclopaedia Perthensis; or, Universal dictionary of Knowledge. [With] SuppThe New Encyclopaedia, Or, Universal Dictionary of Arts and Sciences ...Encyclopaedia Perthensis, Or, Universal Dictionary of the Arts, Sciences, Literature, Etc. : Intended to Supersede the Use of Other Books of ReferenceTechnocratLondon Encyclopaedia; Or, Universal Dictionary of Science, Art, Literature and Practical MechanicsComprising a Popular View of the Present State of KnowledgeEncyclopaedia LondinensisEncyclopaedia Londinensis, Or, Universal Dictionary of Arts, Sciences, and Literature“A” Dictionary of Chemistry,Exhibiting the Present State of the Theory and Practice of that Science, Its Application to Natural Philosophy, the Processes of Manufactures, Metallurgy, and Numerous Other Arts Dependant on the Properties and Habitudes of Bodies, in the Mineral, Vegetable, and Animal Kingdoms. With a Considerable Number of Tables, Expressing the Elective Attractions, Specific Gravities, Comparative Heats, Component Parts, Combinations, and Other Affections of the Objects of Chemical Research. Illustrated with EngravingsFundamentals and Applications of Supercritical Carbon Dioxide (SCO₂) Based Power CyclesWoodhead Publishing
London Encyclopaedia; Or, Universal Dictionary of Science, Art, Literature and Practical Mechanics
The Encyclopaedia Britannica. Or, A Dictionary of Arts, Sciences, and Miscellaneous Literature
Official Proceedings, January 8, 1974-July 30, 1974
American Edition of the British Encyclopedia
Elements of the Art of Dyeing

Encyclopædia Britannica: or, A dictionary of arts and sciences, compiled by a society of gentlemen in Scotland [ed. by W. Smellie]. Suppl. to the 3rd. ed., by G. Gleig

Colouring Textiles is an attempt to provide a new cross-cultural comparative approach to the art of dyeing and printing with natural dyestuffs in the eighteenth and nineteenth centuries. Divided into thematic chapters, it uncovers new data from the vast historical heritage of natural dyestuffs from a range of European cities, to present new historiographic insights for the understanding of this technology. Through a sort of anatomic dissection, the book explores the study and cultivation of dye-plants in botanical gardens and plantations, and the tacit values hidden in dyeing workshops, factories, laboratories, or national and international exhibitions. It metaphorically submits the natural dyestuffs of the eighteenth and nineteenth centuries to a series of systematic historical tests, and traces back the circulation of those sources of colours through colonial spaces, dye works, cross-cultural networks, schools of artistic design, and science-based industries for the making of synthetic colorants. Colouring Textiles contributes to a better understanding of the role of natural dyestuffs in the processes of industrialization in Western Europe. Audience: Historians of science and technology, historians of chemistry, philosophers, economic historians, professional chemists, arts and crafts historians, and cultural anthropologists. The London encyclopaedia, or, Universal dictionary of science, art, literature, and practical mechanics, by the orig. ed. of the Encyclopaedia metropolitana [T. Curtis].

The London Encyclopaedia

“The” Encyclopaedia Britannica,or, Dictionary of Arts, Sciences, and Miscellaneous Literature

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