1. Record Nr. UNINA9910974465303321

Autore	Pollard A. M
Titolo	Archaeological chemistry / / A. Mark Pollard, Carl Heron
Pubbl/distr/stampa	Cambridge : , : Royal Society of Chemistry, , 1996 ©1996
ISBN	1-84755-015-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xv, 375 pages) : illustrations
Collana	RSC Paperbacks ; ; v.8
Altri autori (Persone)	HeronCarl
Disciplina	930.10285
Soggetti	Archaeological chemistry Archaeology - Methodology
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 and index.
Nota di contenuto	BK9780854045235-FX001 -- BK9780854045235-FP001 -- BK9780854045235-FP005 -- BK9780854045235-FP009 -- BK9780854045235-FP011 -- BK9780854045235-FP015 -- BK9780854045235-00001 -- BK9780854045235-00020 -- BK9780854045235-00081 -- BK9780854045235-00104 -- BK9780854045235-00149 -- BK9780854045235-00196 -- BK9780854045235-00239 -- BK9780854045235-00271 -- BK9780854045235-00302 -- BK9780854045235-00341 -- BK9780854045235-00347 -- BK9780854045235-00355 -- BK9780854045235-00359 -- BK9780854045235-00360 -- BK9780854045235-00363 -- BK9780854045235-00364.
Sommario/riassunto	The application of chemistry within archaeology is an important and fascinating area. It allows the archaeologist to answer such questions as "what is this artefact made of?", "where did it come from?" and "how has it been changed through burial in the ground?", providing pointers to the earliest history of mankind. Archaeological Chemistry begins with a brief description of the goals and history of archaeological science, and the place of chemistry within it. It sets out the most widely used analytical techniques in archaeology and compares them in the light of relevant applications. The book includes an analysis of several specific archaeological investigations in which chemistry has been employed in tracing the origins of or in preserving artefacts. The choice

	of these investigations conforms to themes based on analytical techniques, and includes chapters on obsidian, ceramics, glass, metals and resins. Finally, it suggests a future role for chemical and biochemical applications in archaeology. Archaeological Chemistry enables scientists to tackle the fundamental issues of chemical change in the archaeological materials, in order to advance the study of the past. It will prove an essential companion to students in archaeological science and chemistry, field and museum archaeologists, and all those involved in conserving human artefacts

2.

Record Nr.	UNINA9911046533703321
Autore	Potter Merle C
Titolo	Thermodynamics for Engineers / / by Merle C. Potter, Jeffrey S. Allen, Kenneth A. Kroos
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-032-00902-2
Edizione	[2nd ed. 2026.]
Descrizione fisica	1 online resource (610 pages)
Collana	Mechanical Engineering (R0) Series
Altri autori (Persone)	AllenJeffrey S KroosKenneth A
Disciplina	536.7
Soggetti	Thermodynamics Heat engineering Heat - Transmission Mass transfer Fluid mechanics Energy storage Engineering Thermodynamics, Heat and Mass Transfer Engineering Fluid Dynamics Mechanical and Thermal Energy Storage
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Properties of Pure Substances -- The First Law for Systems -- The First Law Applied to Control Volumes -- The Second Law of Thermodynamics -- Entropy -- Thermodynamic Relations.

Sommario/riassunto	Thermodynamics involves storage, transfer, and transformation of energy, and is the first course in thermal sciences for engineering students. It provides the foundation for the basic concepts and problem-solving skills that are later used in fluid mechanics, heat transfer, and the design of thermo-fluid systems. This book is designed to provide a solid understanding of the principles, terminology, and methodology needed to thoroughly understand this subject. With detailed explanations along with practical examples, this book will allow the students to quickly understand the concepts and the analytical techniques presented here. Additional homework problems included in this book will further help develop these skills. The book is divided into three parts. Part I includes the thermodynamic properties of materials and how they are used in the solution of engineering problems. Topics covered include properties of substances, the first law of thermodynamics, work integrals, engineering devices, the second law of thermodynamics, and nonideal gas effects. Part II applies thermodynamic principles to numerous engineering devices and cycles. If desired, selected topics in this part can be included in the first course. In this part, we also analyze internal and external combustion engines, refrigeration systems, psychrometrics, and the combustion process, which are foundational for subsequent courses in energy conversion, engines, and HVAC. In Part III, alternative energy is reviewed. This book serves to develop the essential skills in thermodynamics, primarily in a one-semester course, but it also has sufficient content for a second semester.