

A Short History Of Chemistry Science Study Isaac Asimov

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A Source Book in Chemistry, 1400-1900 Courier Corporation
Essays samlet under overskrifterne: Inorganic chemistry,
Nuclear chemistry, Organic chemistry, Biochemistry,
Geochemistry, General

The Fontana History of Chemistry Courier Corporation

Presents chemistry as a science in search of an identity, or rather as a science whose identity has changed in response to its relation to society and other disciplines. This book discusses the conceptual, experimental, and technological challenges with wh

A Short History of Chemistry BoD - Books on Demand

Examines the development of the basic principles of chemistry from the Bronze Age to the present day

The Beauty of Chemistry Springer

This book is written as a result of a personal conviction of the value of incorporating historical material into the teaching of chemistry, both at school and undergraduate level. Indeed, it is highly desirable that an undergraduate course in chemistry incorporates a separate module on the history of chemistry. This book is therefore aimed at teachers and students of chemistry, and it will also appeal to practising chemists. While the last 25 years has seen the appearance of a large number of specialist scholarly publications on the history of chemistry, there has been little written in the way of an introductory overview of the subject. This book fills that gap. It incorporates some of the results of recent research, and the text is illustrated throughout. Clearly, a book of this length has to be highly selective in its coverage, but it describes the themes and personalities which in the author's opinion have been of greatest importance in the development of the subject. The famous American historian of science, Henry Guerlac, wrote: 'It is the central business of the historian of science to reconstruct the story of the acquisition of this knowledge and the refinement of its method or methods, and-perhaps above all-to study science as a human activity and learn how it arose, how it developed and expanded, and how it has influenced or been influenced by man's material, intellectual, and even spiritual aspirations' (Guerlac, 1977). This book attempts to describe the development of chemistry in these terms.

The Historical Background of Chemistry Longman Publishing Group

Transforming Matter provides an accessible and clearly written introduction to the history of chemistry, telling the story of how the discipline has developed over the years.

A Brief History of Chemistry Praeger

The story of chemistry is an unchanged, high-quality reprint of the original edition of 1889. Hanserbooks is editor of the literature on different topic areas such as research and science, travel and expeditions, cooking and nutrition, medicine, and other genres. As a publisher we focus on the preservation of historical literature. Many works of historical writers and scientists are available today as antiques only. Hanserbooks newly publishes these books and contributes to the preservation of literature which has become rare and historical knowledge for the future.

The Chemistry Book JHU Press

On the nature of stuff -- The analysis of stuff -- Gases and atoms -- Types and hexagons -- Reactivity -- Synthesis.

The Story of Chemistry HarperCollins UK

A Short History of Chemistry A Short History of Chemistry Doubleday

A History of Chemistry Springer Science & Business Media

A collection of important writings in the history of chemistry from 1400-1900, each with an introduction by the editors.

A Short History of Chemistry Mundus Publishing

From man's first exploration of natural materials and their transformations to today's materials science, chemistry has always been the central discipline that underpins both the physical and biological sciences, as well as technology. In this Very Short Introduction, William H Brock traces the unique appeal of this fundamental science throughout history. Covering alchemy, early-modern chemistry, pneumatic chemistry and Lavoisier's re-interpretation of chemical change, the rise of organic and physical chemistry, and the transforming power of synthesis, Brock explores the extraordinary and often puzzling transformations of natural and artificial materials, as well as the men and women who experimented, speculated, and explained matter and change. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area These pocket-sized books are

the perfect way to get ahead in a new subject quickly Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Philosophy of Chemistry Elsevier

Take a stroll through this one-of-a-kind book that offers readers an illustrated tour of how chemistry developed, from alchemy to the emergence of chemistry as a scientific discipline in the early 17th century, and, finally, modern-day chemistry. Discover this rare collection of more than 180 illustrations spanning 400 years of chemical publications, with each illustration accompanied by an essay discussing its significance in the context of historical scientific beliefs as well as modern chemical science. The author's knowledge and enthusiasm for the books, images, and subject matter are clearly reflected throughout the very readable, informative, and frequently funny essays. High-quality, full-page reproductions from the author's art collection, published from 1599 to the present, are eloquently displayed.

Philosophy of Chemistry Sterling

Compact Time builds a scientific case that the Earth, with all its living creatures, is actually thousands of years old, not the millions so widely accepted. This unconventional book takes readers on a journey of discovery into the realm of time – re-examining the very history of the Earth. It highlights the fallacies of methods currently applied to timing Earth history and then draws attention to the radiocarbon dating technique. Radiocarbon decays away in only thousands of years and undecayed, radiocarbon permeates the whole geologic column; it's even in fossil dinosaur bones. This implies a compact timescale of only thousands of years for the whole span of life on Earth. Historical, geological and paleontological lines of evidence supporting this new theory are examined. The implications for understanding human history and the religious significance are assessed within Compact Time.

A Short History of Biology A Short History of Chemistry

Professor Leicester traces the development of chemistry through the thoughts and ideas of practitioners and theorists, from Aristotle and Plato to Curie and 20th-century nuclear scientists. Throughout, the relationship of chemical advances to a broader world history is recognized and stressed. 15 figures. Name and subject indexes. 1956 edition.

A Short History of Chemistry Lulu.com

Reproduction of the original: The Sceptical Chymist by Robert Boyle

A Chemical History Tour Arcturus Publishing

Chemistry is an amazing branch of science that affects us every day, yet few people realize it, or even give it much thought. Without chemistry, there would be nothing made of plastic, there would be no rubber tires, no tin cans, no television, no microwave ovens, or something as simple as wax paper. This book presents an exciting and intriguing tour through the realm of chemistry as each chapter unfolds with facts and stories about the discoveries and discoverers. Find out why pure gold is not used for jewelry or coins. Join Humphry Davy as he made many chemical discoveries, and learn how they shortened his life. See how people in the 1870s could jump over the top of the Washington Monument. Exploring the World of Chemistry brings science to life and is a wonderful learning tool with many illustrations, biographical information, chapter tests, and an index for easy referencing.

A Short History of Chemistry Harvard University Press

This volume follows the successful book, which has helped to introduce and spread the Philosophy of Chemistry to a wider audience of philosophers, historians, science educators as well as chemists, physicists and biologists. The introduction summarizes the way in which the field has developed in the ten years since the previous volume was conceived and introduces several new authors who did not contribute to the first edition. The editors are well placed to assemble this book, as they are the editor in chief and deputy editors of the leading academic journal in the field, Foundations of Chemistry. The philosophy of chemistry remains a somewhat neglected field, unlike the philosophy of physics and the philosophy of biology. Why there has been little philosophical attention to the central discipline of chemistry among the three natural sciences is a theme

that is explored by several of the contributors. This volume will do a great deal to redress this imbalance. Among the themes covered is the question of reduction of chemistry to physics, the reduction of biology to chemistry, whether true chemical laws exist and causality in chemistry. In addition more general questions of the nature of organic chemistry, biochemistry and chemical synthesis are examined by specialist in these areas.

The History of Chemistry Apollo Books

Noboru Hirota has produced a major historical analysis of how the field of chemistry has evolved over centuries. Spanning more than eight hundred pages, this book presents an exhaustive study of the field, showing how ground-breaking discoveries were made and innovative theories were constructed, with personal portrayals and interesting anecdotes of pioneering scholars. Positioning chemistry carefully within the natural sciences, the author rejects the traditional separation of physics, chemistry and biology, defines chemistry broadly as the 'science of atoms and molecules,' and traces its dynamic history with an emphasis on 20th century developments and more recent findings. Professor Hirota himself has spearheaded research in physical chemistry for more than four decades in Japan and the United States, with cutting-edge engagement with magnetic resonance, spectroscopy, and photochemistry. This publication invites specialized researchers to traverse the pathways along which the subject developed into its present form and to understand how their own research fits into the broad scope of science as a whole. *****Chosen as an Outstanding Academic Title for 2017 by Choice Magazine!! In addition, the Choice subject editors have chosen "A History of Modern Chemistry" as one of their top favorite 25 titles! *****There are many books on the history of chemistry, but few that provide a comprehensive overview of the field up to the modern day. This book admirably fills that need. Overall, this is an excellent book and is strongly recommended." --Choice, Vol. 54, No. 7, March 2017 [Subject: History of Science, Chemistry]

A Little History of Science OUP Oxford
From the use of metals by prehistoric man to the alchemical experiments of medieval and renaissance man to the complex chemical skills of contemporary man, Asimov traces the development of this building block of our technological world.

Asimov on Chemistry Praeger Pub Text
Images and text capture the astonishing beauty of the chemical processes that create snowflakes, bubbles, flames, and other wonders of nature. Chemistry is not just about microscopic atoms doing inscrutable things; it is the process that makes flowers and galaxies. We rely on it for bread-baking, vegetable-growing, and producing the materials of daily life. In stunning images and illuminating text, this book captures chemistry as it unfolds. Using such techniques as microphotography, time-lapse photography, and infrared thermal imaging, The Beauty of Chemistry shows us how chemistry underpins the formation of snowflakes, the science of champagne, the colors of flowers, and other wonders of nature and technology. We see the marvelous configurations of chemical gardens; the amazing transformations of evaporation, distillation, and precipitation; heat made visible; and more.

A Short History of Chemistry Harvard University Press
Inspired by a suffragist ancestor who starved herself to promote the integration of Cambridge University, Evie refuses to marry and Dorothy defies a ban on photographing the bodies of her dead Iraq War soldier sons, a choice that embarrasses Dorothy's dau