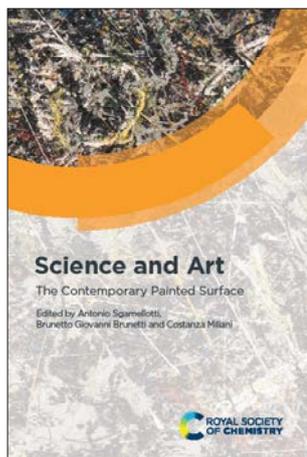


Just published – June 2020



Science and Art

The Contemporary Painted Surface

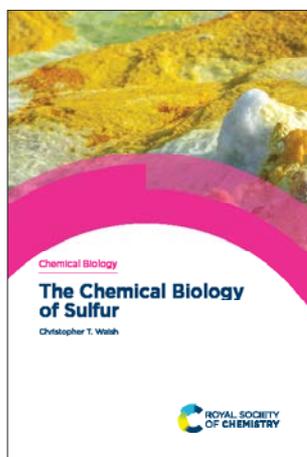
Antonio Sgamellotti Accademia Nazionale dei Lincei, University of Perugia, Italy

Brunetto Giovanni Brunetti INSTM, University of Perugia, Italy

Costanza Miliani CNR-ISTM, Perugia, Italy

Science and art are increasingly linked to the study and conservation of works of art. With an emphasis on current artists, the reader will learn about how these protagonists developed new and meaningful techniques, innovative methodologies and artistic languages. With contributions from art historians, curators, scientists and artists, this book will appeal to those scientifically interested in the area, students studying art conservation as well as those actively working in conservation science of contemporary art.

Hardback | 541 pages | ISBN 9781788014694 | £70.00 | \$95.00 | 29/06/2020

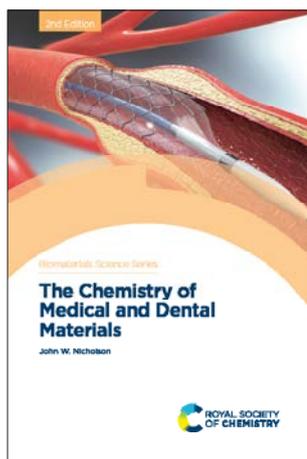


The Chemical Biology of Sulfur

Christopher T Walsh Stanford University, USA

This volume aims to provide an in-depth view of the complete biochemistry of sulfur with an emphasis on aspects not covered elsewhere. Given its role in the formation of proteins and presence in the amino acids methionine and cysteine, sulfur is essential to life. Current literature on the biochemistry of sulfur is vast and widely dispersed, as such this volume is intended as a single-source for everything concerning sulfur biochemistry from metabolic roles of inorganic sulfur, to thiol and thioether chemical biology, to the universality of cysteine chemistry in proteomes. Authored by a renowned biochemist and experienced writer and educator, this book is ideal for students and researchers in biochemistry, biology and the life sciences with an interest in sulfur and its role in life.

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The Chemistry of Medical and Dental Materials

John W Nicholson Bluefield Centre for Biomaterials Ltd, UK

and Queen Mary University of London, UK

Since the first edition of The Chemistry of Medical and Dental Materials was published (2002), the field has moved on apace. This new edition is a thorough update by one of the pioneers of the field. A new chapter on ethical perspectives has been added, with updates to all other chapters to include developments on nanotechnology, advancements in our understanding of biocompatibility and improvements in materials science for drug delivery and clinical use.

Hardback | 252 pages | ISBN 9781788015301 | £149.00 | \$205.00 | 08/06/2020

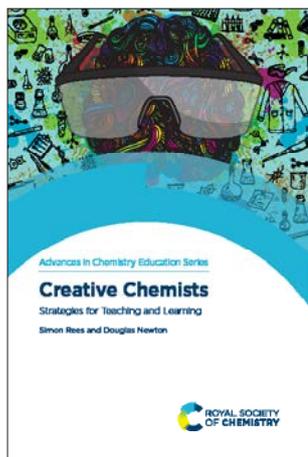
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Just published – June 2020



Creative Chemists **Strategies for Teaching and Learning**

Simon Rees University of Durham, UK
Douglas Newton University of Durham, UK

Creative thinking, be it that of the teacher or the student, has tended to be overlooked in science, but exercising it is important. This book shows how it can be done in chemistry, both in the context of creative chemistry teaching and in learning chemistry.

Going beyond principles and ideology, readers will find practical strategies, tools, examples, and case studies in a variety of contexts to bring creative thinking theory into practice. Beginning with a discussion on the nature of creativity, the authors' debunk misconceptions and address the relationship between creativity and problem solving. Delving into opportunities for practising creative thinking in science, for instance, hypothesis generation and experiment design, the

Hardback | 170 pages | ISBN 9781788015110 | £99.99 | \$140.00 | 30/06/2020

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