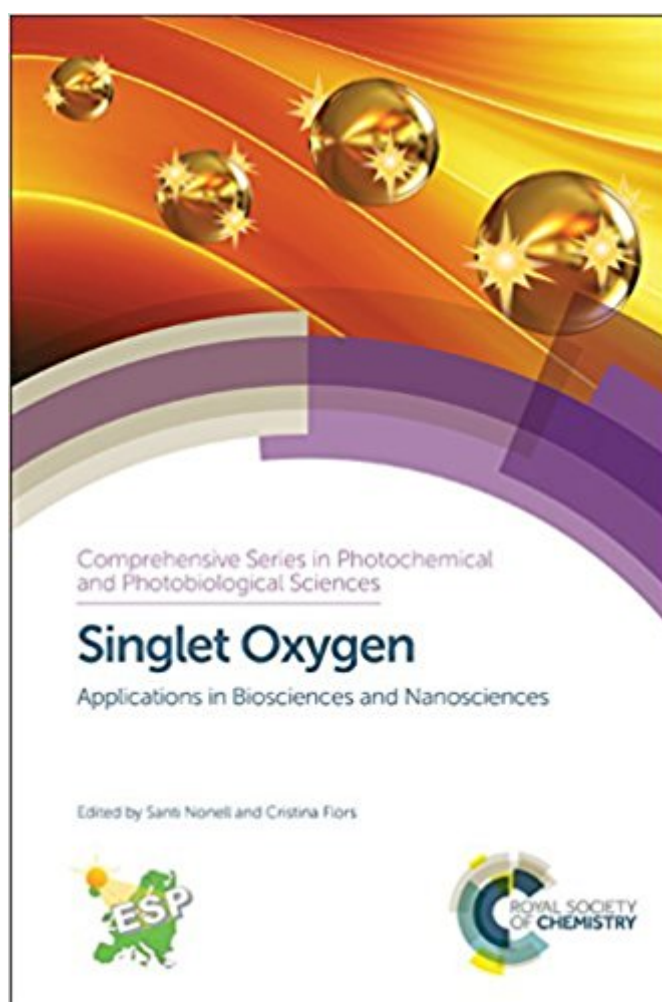


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Singlet Oxygen: Applications In Biosciences And Nanosciences (Comprehensive Series In Photochemical & Photobiological Sciences)





Synopsis

This two-volume set very comprehensively covers the physical, chemical and biological properties of singlet oxygen, and also the increasingly important applications of this reactive oxygen species across chemical, environmental and biomedical areas. Meeting the desire for a comprehensive book that collects and curates the vast amount of knowledge gained in this field over recent years, the editors have invited contributions from experts from across the globe. The long and distinguished background of the editors and contributors in the field is evidenced within these pages that tackle such a broad topic. Chapters in the first volume cover properties, production, reactions of this species with biomolecules, and photosensitizers. The second volume explores detection methods, tools for understanding mechanisms and biology, and photodynamic therapy applications among other topics. The set provides an up to date reference resource for both the beginner and experienced researcher and crucially for those working across disciplines such as photochemistry, photobiology and photomedicine.

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