



# **Mechanochromic Fluorescent Materials: Phenomena, Materials and Applications (RSC Smart Materials)**

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# **Mechanochromic Fluorescent Materials: Phenomena, Materials and Applications (RSC Smart Materials)**

## **Mechanochromic Fluorescent Materials: Phenomena, Materials and Applications (RSC Smart Materials)**

Mechanochromic fluorescent (or mechanofluorochromic) materials change their emission colours (spectra) when an appropriate external mechanical force stimulus is applied. This is an important group of materials with a huge range of applications, including use in sensors, memory chips, security inks, and light devices.

**Mechanochromic Fluorescent Materials** introduces the reader to the concept of mechanofluorochromism and the variety of applications of this group of materials. Prominent international figures in mechanofluorochromism consider the innovative research in this field over the last ten years. Chapters provide in depth coverage of most reported mechanofluorochromic systems, including organic and organic-inorganic complexes; polymer and polymer composites; and aggregation-induced emission.

This book is aimed to inform all students and researchers with an interest in mechanofluorochromism, and to help researchers identify and synthesize more of these materials, and develop the study and application of mechanofluorochromic materials.



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