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## DESCRIPTION

*Progress in Materials Science* publishes authoritative and critical reviews of recent advances in the science of materials and their exploitation in engineering and other applications. Authors of reviews in *Progress in Materials Science* are active leaders in materials science and have a strong scientific track record in the field of the review. Emphasis is placed on the fundamental aspects of the subject, particularly those concerning **microstructure and nanostructure** and their relationship to properties (mechanical, chemical, electrical, magnetic, optical or biomedical) including the atomistic and electronic nature of condensed phases. Also desirable subject matters are the **thermodynamics**, **kinetics**, **mechanisms and modelling of processes** which occur within solids, liquids and other condensed phases; experiments and models which help in understanding the **macroscopic properties of materials** in terms of **microscopic mechanisms**; and work which advances the understanding of the use of materials in engineering, healthcare and other applications. Materials of interest are **metallic**, **ceramic**, **polymeric**, **biological**, **medical** and **composite** in all forms. Manuscripts are generally of greater length than those found in journals specialising in research papers.

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