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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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