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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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