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DESCRIPTION

Scripta Materialia is a LETTERS journal of *Acta Materialia*, providing a forum for the rapid publication of short communications on the relationship between the **structure** and the **properties** of **inorganic materials**. The emphasis is on originality rather than incremental research. Short reports on the development of materials with novel or substantially improved properties are also welcomed. Emphasis is on either the **functional** or **mechanical behavior** of **metals, ceramics** and **semiconductors** at all length scales.

The following aspects are of particular interest:

- (i) discovery or development of new materials with novel functional or mechanical properties of potential engineering interests;
- (ii) characterization of the structure and chemistry of materials for understanding the properties;
- (iii) cutting-edge experiments and theory for understanding structure-property relationships;
- (iv) novelty in simulation and modeling in the context of understanding properties, preferably combined with experimental verification;
- (v) elucidation of the mechanisms involved in the synthesis and processing of materials as a route to the elucidation of properties;

In addition, *Scripta Materialia* publishes comments on papers published in *Acta Materialia* and *Scripta Materialia*. The journal also publishes Viewpoint Sets, which are a collection of invited short articles focused on topics of current interest within the scope of the journal and coordinated by invited guest editors.

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INTRODUCTION

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