



# SCRIPTA MATERIALIA

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## AUTHOR INFORMATION PACK

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ISSN: 1359-6462

### 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.

### AUDIENCE

Materials Scientists and Engineers.

### IMPACT FACTOR

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## GUIDE FOR AUTHORS

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### INTRODUCTION

#### *Aims and Scope*

*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.

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- (iii) cutting-edge experiments and theory for understanding structure-property relationships;
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Example: "..... as demonstrated [3,6]. Barnaby and Jones [8] obtained a different result ...."

*List:* Number the references (numbers in square brackets) in the list in the order in which they appear in the text. **Please note that article titles should NOT be included.**

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Reference to a journal publication:

[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, J. Sci. Commun. 163 (2000) 51–59.

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[dataset] [4] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, *Mendeley Data*, v1, 2015. <http://dx.doi.org/10.17632/xwj98nb39r.1>.

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