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DESCRIPTION

Applied Solid State Chemistry is a peer-reviewed journal that publishes original research articles as well as review articles on all aspects of solid state chemistry. The journal publishes articles devoted to the study of chemical, structural, thermodynamic, electronic, magnetic and optical properties and processes in solids. In addition, studies in related fields, such as the study of ceramic and amorphous materials, including glasses, can be presented.

Applied Solid State Chemistry publishes papers on all aspects of fundamental and applied solid state chemistry. The journal is naturally broad in scope, welcomes submissions from across a range of disciplines, and reports both theoretical and experimental studies.

Subject areas include (but are by no means limited to):

- Chemical bonds in solids
- Crystal chemistry and structural studies
- Synthesis of new inorganic and organic compounds
- Materials Science
- Processes of high pressure
- Magnetic and ferroelectric properties of materials
- Optical characteristics of materials
- Phase equilibria and state diagrams
- Surface reactions
- Mechanisms of crystal growth
- Defects and methods of their investigation
- Thermodynamic and thermophysical properties

As well as original research, Applied Solid State Chemistry also publishes focused review articles that examine the state of the art, identify emerging trends, and suggest future directions for developing fields.

The journal publishes regular full-length articles and reviews (usually invited by an Editor, but proposals from authors are welcome).

This journal operates a single blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper.

The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final.

Applied Solid State Chemistry is an Open Access Journal.

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BEFORE YOU BEGIN

Ethics in publishing

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Declaration of interest

All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work. Examples of potential conflicts of interest include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding. Authors must disclose any interests in part "Acknowledgements" of a paper.

PREPARATION OF A PAPER

There are no strict formatting requirements but all manuscripts must contain the essential elements needed to convey your manuscript, for example Abstract, Keywords, Introduction, Materials and Methods, Results, Conclusions, Acknowledgements, References, Figures and Tables. You should send to the Editorial board following files:

- Manuscript (*.doc or *.docx)
- Figures (*.doc or *.docx) and as separate files (see below).
- Tables with captions (*.doc or *.docx).

Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

Essential title page information

- **Title.** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
- **Author names and affiliations.** Please clearly indicate the given name(s) and family name(s) of each author and check that all names are accurately spelled. You can add your name between parentheses in your own script behind the English transliteration. Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lowercase superscript letter immediately after the author's name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name.
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- **Present/permanent address.** If an author has moved since the work described in the article was done, or was visiting at the time, a 'Present address' (or 'Permanent address') may be

indicated as a footnote to that author's name. The address at which the author actually did the work must be retained as the main, affiliation address.

Abstract

A concise and factual abstract of approximately 100-150 words identifying the new and significant results of the study must be provided for all manuscripts, including articles, and reviews. The abstract should comprise a brief and factual account of the contents and conclusions of the paper as well as an indication of any new information presented and its relevance.

Keywords

Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, 'and', 'of'). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

Acknowledgements

Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

Figures

Ensure that each illustration has a caption. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used. Captions should be given in a Manuscript file after section "References"

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Text: Indicate references by number(s) in square brackets in line with the text. The actual authors can be referred to, but the reference number(s) must always be given.

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.

Examples:

Reference to a journal publication:

[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, The art of writing a scientific article, *J. Sci. Commun.* 163 (2010) 51–59.

Reference to a book:

[2] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to a chapter in an edited book:

[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[4] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

Reference to a dataset:

[dataset] [5] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, *Mendeley Data*, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.