

Guide for Authors

Advanced Energy Materials (www.advenergymat.de) is an international, interdisciplinary, English-language forum of original peer-reviewed contributions on materials used in all forms of energy harvesting, conversion and storage. Categories of contribution for the journal are Communications, Full Papers, Review Articles, Progress Reports, Research News, Essays, and Correspondence. Communications and Full Papers should represent novel research and significant advances in the field of materials science.

Only manuscripts in English are accepted. Contributors should bear in mind the interdisciplinary nature of the readership, always emphasizing the importance of the topic to the energy-research community on the whole.

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The manuscript should be submitted online via the online submission service *manuscriptXpress* (<http://www.manuscriptxpress.com>). To submit your manuscript, please follow the instructions given on the website. In order to submit a manuscript you will need a **single** Microsoft Word, RTF, PDF, or PostScript file that contains the text, all figures and tables, and any Supporting Information associated with the manuscript. MSword templates (Win/Mac compatible) for Reviews, Progress Reports, Research News, and Communications are available on the homepage in the section "Author Guidelines". Please use these templates for submission of your contribution.

***Advanced Energy Materials* does not publish manuscripts that have already appeared in print or electronically (including those deposited in preprint archives).**

The author must inform the editor of manuscripts submitted, soon to be submitted, or in press at other journals that have a bearing on the manuscript being submitted to *Advanced Energy Materials*. The "The Ethical Guidelines for Publication in Journals and Reviews" issued by the European Association for Chemical and Molecular Sciences are followed and applied by the editors of *Advanced Energy Materials*. In particular, authors should reveal all sources of funding for the work presented in the manuscript and should declare any conflict of interest.

If the manuscript is, in fact, a revised/extended version of a manuscript previously rejected by *Advanced Energy Materials*, the author must inform the editor about the previous submission in the cover letter and explain in detail which changes have been made.

To ensure continuity of contact details, the corresponding author of a manuscript should hold at minimum a postdoctoral research position or be a permanently contracted staff member in industry. Exceptions may be made at the discretion of the editorial office.

Confirmation of Receipt/Assessment

Authors of all articles will receive acknowledgement of receipt of their manuscript. All contributions are subject to assessment by the editors and/or refereeing.

Contributions to all sections except Communications and Full Papers are usually written on invitation; however, authors are welcome to submit unsolicited articles.

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Only after notification of acceptance for publication will authors be asked to provide separate electronic files of the text and figures for high-quality production. **The version you send must be the FINAL version. Costs for any additions or further changes made during correction of the page proofs may be charged to the author.** The text including references should be saved as one Microsoft Word .doc file using the templates provided. **Tables** should be included in the text files and follow the example laid out in the template. **Vector graphic images** such as plots, graphs, and line diagrams (including chemical structures) should either be imported into a Word file or saved as EPS or WMF files. The name and version of the program used to create the file should be provided. Original files of graphical items prepared using ChemDraw or Photoshop may also be included. **Bitmap graphic images** such as photographs and electron microscopy images should be saved as TIFF files; each figure part must have a resolution of at least 300 dpi (1000 pixels wide when the image is printed at a single column width). More details can be found on the journal homepage in the [Production Data Checklist](#) and [Graphics FAQ](#) subsections of the "Author Guidelines" page.

Supporting Information pages must be prepared as a single MSWord document, with all figures incorporated into the text. Use the MSWord template provided on the "Author Guidelines" page to prepare the first page. See below for additional details.

To submit multimedia files, please consult the Editorial office for recommended formats and file-transfer information.

There are two ways to submit your production data files:

a) Use the upload function on your personal homepage (Role = "Author", "Manuscripts for Production"). All data files must be combined into a SINGLE archive file. Additional comments should be sent by e-mail directly to the journal's editorial office.

b) Send all data files in an archive attached to an e-mail message to the journal's editorial office. The "Subject" line should include the words "Production data" and the manuscript identifier, e.g., aenm.201001234.

Categories of Contributions

Communications are unsolicited, peer-reviewed short reports of outstanding novel findings that also have important and general implications for specialists working in other fields. The first paragraph should summarize the reasons for undertaking the work and the main conclusions which can be drawn. The final paragraph should summarize the major conclusions of the paper. The essential findings presented in a Communication, or significant parts, of them **may not already have appeared in print or online (for example, in reviews, proceedings, or preprints)**. Contributions that are judged too specialized for the readership of Advanced Energy Materials will be returned to the authors without further external review. All other communications are assessed by independent referees. Authors should suggest referees, and ensure that their reviewer suggestions do not include any researchers with whom they have recent or on-going collaborations or other close ties. **The maximum length of a Communication is four journal pages** – approximately 3000 words (including main text, experimental section, references, and captions) and three display items (figures, tables, or schemes). Longer papers will be accepted only in exceptional cases if their quality warrants special consideration.

A maximum of five keywords should be supplied.

Supporting Information in the form of additional figures, experimental details, movies, and so on may accompany a manuscript, and will be published online only. This material will **not** be edited, so should be error free. **The research reported in a Communication must stand on its own in the absence of its Supporting Information** (for example, if Internet access is unavailable).

Full Papers are unsolicited, peer-reviewed, in-depth reports of outstanding novel findings which also have important and general implications for specialists working in other fields. The introduction should summarize the reasons for undertaking the work and the main conclusions which can be drawn. The final section should summarize the major conclusions of the paper. The essential findings presented in a Full Paper or significant parts of them **may not already have appeared in print or in electronic online systems (for example, in reviews, proceedings, or preprints)**. Contributions that are judged too specialized for the readership of Advanced Energy Materials will be returned to the authors without further external review. All other communications are assessed by independent referees. Authors should suggest referees. **The maximum length of a Full Paper is eight journal pages** (approximately 7500 words and eight display items, including figures, schemes, and tables). Longer papers will be accepted only in exceptional cases if their quality warrants special consideration. A short abstract and maximum of five keywords should be given. Supporting Information in the form of additional figures, movies, experimental details and so on may accompany a manuscript, and will be published online only. This material will not be edited, and so should be error free.

Reviews are peer-reviewed and give a general overview of a particular field, providing the reader with an appreciation of the importance of the work, a summary of recent developments, and a guide to the relevant literature. Manuscripts should be at least 19 000 words in length, divided into appropriate sections, and contain 15–20 display items. A greyscale passport-type photo and a short summary (75 words maximum) that highlights the career to-date of the correspondence author(s) and their (current) research interests should be included. Awards, number of publications, number of patents, etc. should not be included

in the biography. In addition, a short abstract and four to a maximum of seven keywords should be included.

Progress Reports provide a critically selected overview of recent progress in important research fields. It is not intended that the articles be comprehensive, but rather insightful, selective, critical, opinionated, and even visionary. Manuscripts should be at least 10 000 words in length, divided into appropriate sections, and contain 5–10 display items. A greyscale passport-type photo and a short summary (75 words maximum) that highlights the career to-date of the correspondence author(s) and their (current) research interests should be included. Awards, number of publications, number of patents, etc. should not be included in the biography. In addition, a short abstract and four to a maximum of seven keywords should be included.

Research News articles are intended to inform nonspecialist readers of recent developments at the forefront of materials science and technology. Manuscripts should be no more than 4500 words in length and can contain up to 3 display items. A short abstract and a maximum of five keywords should be included.

Essays are a forum for news and opinion on topics of national and international interest. This can include, for example, news of funding and research organizations, societies, or points of controversy within materials science. Manuscripts should be no more than 5000 words in length plus one display item. A greyscale passport-type photo and a short summary (75 words maximum) of the career to-date of the correspondence author(s) should be included.

Correspondence commenting on publications in the journals is welcome if it contributes to the scientific discussion.

Manuscript Styling

Production data should be submitted using the MSword template (there is no need to adjust the font size or spacing given in the templates). The academic titles, first names, other initials, and surnames of all authors should be given, along with full postal addresses and the e-mail address of the corresponding author, who should be designated by a star. For **online submission**, figures, tables, and legends should be included in the text. For **production**, the figures should be saved separately (for further details, please see the Production Data Checklist under “Author Guidelines”). All production data should include a short (~40 word) summary and figure (preferably color) for the table of contents. **There is no charge for color reproduction in the table of contents.**

IUPAC nomenclature should be used when naming compounds. A full guide to nomenclature and terminology can be found at the IUPAC web site (www.iupac.org).

References should be numbered sequentially as they appear in the text^[1] as superscripts in square brackets.^[2-5] Only papers that are published or in press should be referenced.

Figures with several parts are permitted only if the parts are closely related either experimentally or logically. Do not display graphs as insets.

Detailed instructions for preparation of manuscripts for production (e.g., figure formatting, physical data reporting, setting of equations, X-ray data archiving) are given in the “Author Guidelines” section on the journal homepage. If you have any questions, please contact the Editorial Office directly.

Manuscripts containing animal experiments must include a statement in the Experimental Section that permission was obtained from the relevant national or local authorities. The institutional committees that have approved the experiments must be identified and the accreditation number of the laboratory or of the investigator given where applicable. If no such rules or permissions are in place in the country where the experiments were performed, then this must also be clearly stated. **Manuscripts with experiments with human subjects or tissue samples from human subjects must contain a disclaimer in the Experimental Section to state that informed signed consent was obtained from either the patient or from next of kin.**

The structure and compositions of all materials central to the manuscript must be disclosed in the main text or in Supporting Information, **including commercial and proprietary products**, pure materials, and mixtures. Manuscripts reporting results using undisclosed material compositions may not be considered for publication and may be returned without external review.

Image Processing

While a certain degree of image processing is acceptable, and sometimes unavoidable, images submitted for publication should be minimally modified, and any modification to original raw data should be clearly and fully disclosed. Images submitted must accurately represent the original data, and authors must provide, if requested by the editors, unprocessed and raw data to aid in the reviewing process.

Image-processing details should be disclosed in full, either in the figure legends, the Experimental Section, or in the Supporting Information. This should include the software used and the settings and methods applied in manipulations. Processing should be applied equally to the entire image and also to controls. Processing that obscures data or emphasizes certain regions at the expense of others should not be employed. When used, false-color and nonlinear adjustments, such as gamma correction, deconvolution, filtering, thresholding, and projection, should be clearly indicated in the manuscript.

In the case of gels and blots, cropped images may be used when necessary for clarity and conciseness. As previously mentioned, these modifications must be clearly mentioned, and the full gels and blots should be provided as Supporting Information. A clear line should mark the boundary between different gels where these were cropped, and all important bands should be maintained in the image.