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SCOPE OF THE JOURNAL

ACS Applied Nano Materials is an interdisciplinary journal publishing original research covering all aspects of engineering, chemistry, physics, and biology relevant to applications of nanomaterials. The journal is devoted to reports of new and original experimental and theoretical research of an applied nature that integrate knowledge in the areas of materials, engineering, physics, bioscience, and chemistry into important applications of nanomaterials. Sample materials include inorganic, organic, and hybrid nanomaterials, quantum dots, metallic and semiconducting nanoparticles, nanowires and nanotubes, self-assembled nanostructures, 1- and 2-D materials, nano carbon, graphene, and related materials. Sample application topics that span the journal’s scope are catalysis, photocatalysis, sensors, plasmonics, photonics, biology, nanomedicine, theranostics, energy conversion and storage, nanopatterning, and nanotechnology. The journal also considers papers that describe novel approaches to the synthesis of new and existing nanomaterials that have important applications.

Manuscripts that are essentially reporting data or applications of data are, in general, not suitable for publication in ACS Applied Nano Materials. All manuscripts are subject to critical, anonymous peer review. It is to be understood that the final decision relating to a manuscript’s suitability rests solely with the Editor.

MANUSCRIPT TYPES


A. Letters are short articles that report results whose immediate availability to the applied nanoscience and engineering community is deemed important. Letters are restricted to 2500 words or the equivalent (8 double-spaced word-processed pages of text and 3-4 figures), and no more than 30 references. A brief Abstract of less than 100 words should be included along with 5-8 keywords. Letters are intended to provide rapid communication of important results and should be written in a form that is engaging and easy to follow. The narrative should flow continuously, without separate subsections, through introductory material, followed by a sufficient outline of the research performed to allow the reader to follow what was done, results presented and described in a way that captures their essential details, and concluding remarks. Experimental details that are not essential to the understanding of the Letter but that would be useful for those trying to reproduce the results or in providing helpful additional information for experts should be included as supporting information. Letters often will be complete publications, but follow-up publications might occasionally be justified when the research is continued and a more complete account of the work is deemed necessary. Special efforts will be made to expedite the reviewing and publication of Letters. The time for proofreading the galley proofs is relatively short. For this reason, authors of Letters should ensure that manuscripts are in final, error-free form when submitted.

B. Articles should cover their subjects with thoroughness, clarity, and completeness, but should be as concise as possible. The narrative should be divided into the following six subsections: (1) Abstract followed by 5-8 keywords, (2) Introduction, (3) Experimental Section, (4) Results and Discussion, (5) Conclusions, and (6) References. Abstracts to Articles are limited to 300 words and should summarize
the significant results and conclusions. The total number of references for Articles is typically limited to 70. Articles are scheduled for publication in the order of acceptance within limitations of available space.

C. Reviews are usually invited by the Editor and are limited to a maximum of 10 journal pages (approximately 50 pages of double-spaced manuscript), including tables, figures, and references. Reviews should constitute concise, yet complete, surveys of the literature written by experts for non-experts. Their purpose is to acquaint the readers of the journal with recent progress in key materials or interfaces research areas, with a focus on application. Reviews should be written for a more general audience of “materials scientists and engineers” and provide a balanced view of the topic in question. Exclusive (or near exclusive) focus on the author’s research is discouraged in Reviews. Reviews will be peer-reviewed in the same manner as research Articles.

Authors interested in contributing a Review must submit a single document that includes the following for consideration (eic@anm.acs.org):

- Proposed title
- Corresponding author names, affiliations, and websites
- A short (~400-word) description of the focused topic
- A list of 5–10 lead references that might form the foundation of the final manuscript
- A list of recent review articles published on this topic written by the submitting authors or others, and how the proposed review will differ in focus and advance the literature on the subject.

Reviews will be considered only if they are approved and invited for submission by the Editor. A review invitation does not guarantee that a review will be peer-reviewed or published. It is incumbent on authors to submit copyright permissions for material that is being reproduced from other sources.

D. Spotlights on Applications are usually invited by the Editor and will be so designated. By focusing on active research areas, these articles are not intended to be standard reviews of the literature. The author will be asked to provide a clear, concise, and critical status report of the field as an introduction, and the author’s own contribution to the field should constitute the main body of the article. An emphasis should be placed on drawing a clear relationship between nanomaterials synthesis, structure, and/or properties and the application that is the focus of the Spotlight. Authors in important active research fields in the area of applied nanomaterials are encouraged to propose Spotlights. One-page proposals should be sent to the Deputy Editor’s office (eic@anm.acs.org) for consideration.

E. Forum Articles. Occasionally a group of manuscripts that are focused in a particular topical area will be published as a Forum, which is essentially a “virtual symposium”. Scientists and engineers in important active research fields in the area of applied nanomaterials are encouraged to propose Forum topics. One-page proposals should be sent to the Deputy Editor’s office (eic@anm.acs.org) for consideration.
F. Comments are technical contributions providing, with supporting material, a respectful but alternative point of view to one that has appeared in *ACS Applied Nano Materials*.

**ACS PUBLISHING CENTER**

While this document will provide basic information on how to prepare and submit the manuscript as well as other critical information about publishing, we also encourage authors to visit the [ACS Publishing Center](http://publishing.acs.org) for additional information on everything that is needed to prepare (and review) manuscripts for ACS journals, such as

- [Mastering the Art of Scientific Publication](http://pubs.acs.org) which shares editor tips about a variety of topics including making your paper scientifically effective, preparing excellent graphics, and writing cover letters.
- Resources on [how to prepare and submit a manuscript](http://pubs.acs.org) to ACS Paragon Plus, ACS Publications’ manuscript submission and peer review environment.
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**MANUSCRIPT PREPARATION**

**Review Ready Submission**

All ACS journals have simplified their formatting requirements in favor of a streamlined and standardized review-ready format for an initial manuscript submission. Read more about the requirements and the benefits these serves authors and reviewers [here](http://pubs.acs.org). Manuscripts submitted for initial consideration must adhere to these standards:

- Submissions must be complete with clearly identified standard sections used to report original research, free of annotations or highlights, and include all numbered and labeled components.
- Figures, charts, tables, schemes, and equations should be embedded in the text at the point of relevance. Separate graphics can be supplied later at revision, if necessary.
- A two-column manuscript template is available and can be used for manuscripts submitted to any ACS journal. Templates are not required but may be useful to approximate how an article will compose. For manuscripts with word count limits, authors are not required to fit content into a page limit based on the template.
- References can be provided in any style, but they must be complete, including titles.
- Supporting Information should be submitted as a separate file(s).
- Author names and affiliations on the manuscript must match what is entered into ACS.

**Document Templates and Format**

The templates facilitate the peer review process by allowing authors to place artwork and tables close to the point where they are discussed within the text. Learn more about document templates [here](http://pubs.acs.org).

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**Acceptable Software, File Designations, and TeX/LaTeX**

See the list of [Acceptable Software](http://pubs.acs.org) and appropriate [File Designations](http://pubs.acs.org) to be sure your file types are compatible with ACS Paragon Plus. Information for manuscripts generated from TeX/LaTeX is also available.
Cover Letter
A cover letter must accompany every manuscript submission. During the submission process, you may type it or paste it into the submission system, or you may attach it as a file.

The cover letter must contain the following elements in the order listed:

- A paragraph explaining why your manuscript is appropriate for ACS Applied Nano Materials. This paragraph should clearly indicate what application is described in the work.
- If the manuscript was previously rejected or transferred by ACS Applied Nano Materials, a consent to re-submit must be obtained from the editor who handled the previous version. Along with the consent, provide the manuscript number of the rejected/transferred manuscript. If the manuscript was previously reviewed, provide a detailed response to each reviewer comment along with a description of the corresponding revisions performed, making certain that the manuscript has been revised to address all concerns raised by the reviewers. For more information, see section on Editorial Policies.
- If the manuscript was previously rejected or transferred by any other ACS journal, provide the name of the journal, the manuscript number, an explanation of the basis for the rejection, and a statement granting ACS Applied Nano Materials permission to obtain the Editor’s decision letter and review for the rejected/transferred manuscript. Also, state whether the manuscript was previously reviewed. If so, provide a detailed response to each reviewer comment along with a description of the corresponding revisions performed, making certain that the manuscript has been revised to address all concerns raised by the reviewers.
- A statement confirming the manuscript, or its contents in some other form, has not been published previously by any of the authors and/or is not under consideration for publication in another journal at the time of submission.
- If the manuscript was invited, whether as part of a Forum, special issue, or as an individual contribution, this should be noted in the cover letter.

Manuscript Text Components
All sections of the paper must be presented in a clear and concise manner. Authors should include an introductory statement outlining the scientific motivation for the research. The statement should clearly specify the relevance of the present work to applications, the problems it has solved or the practical advances it will enable. In Articles (but not Letters), the Introduction should be a separate section of the paper. In the Results and Discussion section, the author should discuss the significance of his/her observations, measurements, or computations and their implications for the applications outlined in the Introduction. An extensive review of prior work is not appropriate in Letters and Articles, and documentation of the literature should be selective rather than exhaustive, particularly if reviews can be cited. Tabulation of experimental results is encouraged whenever it leads to a more effective presentation or economical use of space. Authors are encouraged to make extensive use of the Supporting Information format, because this material is now widely available on the Web at http://pubs.acs.org. Figure captions should be concise and easy to read but should be sufficiently detailed to provide a reasonable understanding of the figures without reference to the main text. For example, in a graph the caption should include enough information to readily distinguish between
different datasets, provide an indication of the statistics used to derive error bars, and indicate briefly any trend that is shown. In the case of an image, the sample, imaging technique, and scale should be clearly provided.

**Supporting Information**
This information is provided to the reviewers during the peer-review process (for Review Only) and is available to readers of the published work (for Publication). Supporting Information must be submitted at the same time as the manuscript. See the list of [Acceptable Software by File Designation](#) and confirm that your Supporting Information is viewable.

If the manuscript is accompanied by any supporting information files for publication, these files will be made available free of charge to readers. A brief description of each file is required, and the paragraph and descriptions should be placed at the end of the manuscript before the list of references. The appropriate format is as follows:

**Supporting Information.** Brief descriptions in nonsentence format listing the contents of the files supplied as Supporting Information.

When including supporting information for review only, include copies of references that are unpublished or in-press. These files are available only to editors and reviewers.

**Data Requirements**
Resources available on Publishing Center than can be referenced in this section include [ACS Math Style Sheet](#) and [NMR Guidelines](#).

**Language and Editing Services**
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The quality of illustrations in ACS journals depends on the quality of the original files provided by the authors. Figures are not modified or enhanced by journal production staff. All graphics must be prepared and submitted in digital format.

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**PREPARING FOR SUBMISSION**

Manuscripts, graphics, supporting information, and required forms, as well as manuscript revisions, must all be submitted in digital format through ACS Paragon Plus, which requires an ACS ID to log in. Registering for an ACS ID is fast, free, and does not require an ACS membership. Please refer to Appendix 1 for additional information on preparing your submission.

**Prior Publication Policy**

ACS Applied Nano Materials allows authors to deposit an initial draft of their manuscript in a preprint service such as ChemRxiv, arXiv, bioRxiv, or the applicable repository for their discipline prior to submission. Please note any use of a preprint server in the cover letter, and as appropriate, state how the manuscript has been adjusted/updated between deposition and submission. All other prior/redundant publication is forbidden.

Publication of a preprint or extended abstract in an ACS division meeting preprint book, in either print or electronic format, does not preclude consideration of a manuscript for publication, provided that the manuscript includes significant new information and data beyond what was in the preprint or extended abstract. It is the author’s responsibility to provide the editor with copies of any relevant preprint(s).

Upon publication, authors are advised to add a link from the preprint to the published paper via the Digital Object Identifier (DOI). For further details, contact the Editorial Office.

The Editors of ACS Applied Nano Materials have determined that content from the following publically available sources may also be reused, with permission from the copyright holder, in an ACS Applied Nano Materials Article (co)authored by at least one of the authors of the original material:

1) A thesis or dissertation required to obtain a degree.
2) A publically available research report that was mandated by a government agency or funding agency.

**Editorial Policies**

Manuscripts that are essentially reporting data or applications of data are, in general, not suitable for publication in ACS Applied Nano Materials. All manuscripts are subject to critical, anonymous peer review. It is to be understood that the final decision relating to a manuscript’s suitability rests solely with the Editor.

**Addition and Corrections**

Additions and Corrections may be used to address important issues or correct errors and omissions of consequence that arise after publication of an article. They are not intended to report subsequent scientific progress or refinements, which often in part consist of reinterpreting previously published data. Additions and Corrections may be requested by the author(s) or initiated by the Editor after discussions with the corresponding author. Readers who detect errors of consequence in the work of
others should contact the corresponding author of that work. All Additions and Corrections are subject to approval by the Editor, and minor corrections and additions will not be published. Additions and Corrections from authors should be submitted via the ACS Paragon Plus environment by the corresponding author for publication in the “Addition/Correction” section of the Journal. The corresponding author should obtain approval from all of the article coauthors prior to submitting an Addition and Correction, or provide evidence that such approval has been solicited. For proper formatting, see examples in a current issue of the Journal.

Addition/Corrections should consist of a submitted manuscript document file that contains the following information:

i. The document title lines should include title, authors, affiliations and citation (including the DOI) of the original published manuscript.

ii. The submitted addition/correction manuscript file should contain text that explains exactly what is being corrected and why. A statement should also be included indicating whether the conclusions of the work have been affected, and if so in what way.

iii. All authors are deemed to be equally responsible for any errors. A statement of regret for the mistake may be included. Statements should not be included that attempt to assign responsibility for any errors or mistakes to any particular authors or persons.

iv. If graphics are being corrected, the manuscript file should contain the graphics, along with captions that clearly describe the contents of the figures. The figure(s) should be labeled with numbers consistent with the figure number(s) in the original paper that is (are) being corrected.

Revised Manuscripts
A manuscript sent back to an author for revision should be returned to the Editor as soon as possible. If a revision is not received within 21 days, it will be considered withdrawn. Revised manuscripts are sometimes sent back to the original reviewers, who are asked to comment on the revisions. If only minor revisions are involved, the Editor will examine the revised manuscript in light of the recommendations of the reviewers without seeking further opinions.

On resubmission, two copies of the final manuscript file will be required: (a) The final revised manuscript file that does not contain any highlighting or editing marks. This file should be uploaded as the primary manuscript document file; (b) A marked copy of the revised manuscript that shows changes made on revision clearly highlighted. This file should be uploaded separately from the manuscript file as Supporting Information for Review.

A letter from the author must also accompany the revised manuscript and provide a detailed account of how the author has responded to the reviewer’s and Editor’s comments, addressing each comment point-by-point. The dates of receipt of the original and revised manuscripts will both appear in the publication.

Manuscripts that have been declined from ACS Applied Nano Materials are not usually reconsidered in the same journal. However, in unusual circumstances, an author may wish to re-submit for consideration a paper that has been previously declined. Before such a re-submitted paper will be considered, the corresponding author must obtain a consent to re-submit by sending a well-reasoned, concise appeal to the Associate Editor who made the decision to decline the paper.
Providing Potential Reviewer Names
Please suggest 6 reviewers. Authors are encouraged to avoid suggesting reviewers from the authors’ institutions. Do not suggest reviewers who may have a real or perceived conflict of interest. Whenever possible, suggest academic email addresses rather than personal email addresses.

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If your submission is declined for publication by this journal, the editors might deem your work to be better suited for another ACS Publications journal and suggest that the authors consider transferring the submission. Manuscript Transfer simplifies and shortens the process of submitting to another ACS journal, as all the coauthors, suggested reviewers, manuscript files, and responses to submission questions are copied by ACS Paragon Plus to the new draft submission. Authors are free to accept or decline the transfer offer.

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All articles published ahead of print receive a unique Digital Object Identifier (DOI) number, which is used to cite the manuscript before and after the paper appears in an issue. Additionally, any supplemental information submitted along with the manuscript will automatically be assigned a DOI and hosted on Figshare to promote open data discoverability and use of your research outputs.

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process, Authors can choose to have their manuscript posted online as JAMs. If an author chooses to have a manuscript published online as a JAM, it is considered published when this version appears on the Web.

**ASAP Publication**
Manuscripts will be published on the “Articles ASAP” page on the Web as soon as page proofs are corrected and all author concerns are resolved. ASAP publication usually occurs within a few working days of receipt of page proof corrections, which can be several weeks in advance of the cover date of the issue.

**Post-Publication Policies**
The American Chemical Society follows guidance from the Committee on Publication Ethics (COPE) when considering any ethical concerns regarding a published article, Retractions, and Expressions of Concern.

**Additions and Corrections**
Additions and Corrections may be requested by the author(s) or initiated by the Editor to address important issues or correct errors and omissions of consequence that arise after publication of an article. All Additions and Corrections are subject to approval by the Editor, and should bring new and directly relevant information and corrections that fix scientific facts. Minor corrections and additions will not be published. Readers who detect errors of consequence in the work of others should contact the corresponding author of that work.

Additions and Corrections must be submitted as new manuscripts via ACS Paragon Plus by the Corresponding Author for publication in the “Addition/Correction” section of the Journal. The corresponding author should obtain approval from all coauthors prior to submitting or provide evidence that such approval has been solicited. The manuscript should include the original article title and author list, citation including DOI, and details of the correction.

**Retractions**
Articles may be retracted for scientific or ethical reasons and may be requested by the article author(s) or by the journal Editor(s), but are ultimately published at the discretion of the Editor. Articles that contain seriously flawed or erroneous data such that their findings and conclusions cannot be relied upon may be retracted in order to correct the scientific record. When an article is retracted, a notice of Retraction will be published containing information about the reason for the Retraction. The originally published article will remain online except in extraordinary circumstances (e.g. where deemed legally necessary, or if the availability of the published content poses public health risks).

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Expressions of Concern may be issued at the discretion of the Editor if:
- there is inconclusive evidence of research or publication misconduct by the authors;
- there is evidence that the findings are unreliable but the authors’ institution will not investigate the case;
- an investigation into alleged misconduct related to the publication either has not been, or would not be, fair and impartial or conclusive;
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**Appendix 1: PREPARING FOR SUBMISSION**
We’ve developed ACS’ publishing and editorial policies in consultation with the research communities that we serve, including authors and librarians. Browse our policies below to learn more.

**Ethical Guidelines**
ACS editors have provided Ethical Guidelines for persons engaged in the publication of chemical research—specifically, for editors, authors, and reviewers. Each journal also has a specific policy on prior publication.

**Safety Considerations**
Authors must emphasize any unexpected, new, and/or significant hazards or risks associated with the reported work. This information should be in the Experimental Section of the full article and included in the main text of a letter.

**Conflict of Interest Disclosure**
A statement describing any financial conflicts of interest or lack thereof is published in each ACS journal article.
During the submission process, the Corresponding Author must provide a statement on behalf of all authors of the manuscript, describing all potential sources of bias, including affiliations, funding sources, and financial or management relationships, that may constitute conflicts of interest. If the manuscript is accepted, the statement will be published in the final article.

If the manuscript is accepted and no conflict of interest has been declared, the following statement will be published in the final article: “The authors declare no competing financial interest.”

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**Author List and Coauthor Notification**

Authors are required to obtain the consent of all their coauthors prior to submitting a manuscript. The submitting author accepts the responsibility of notifying all coauthors that the manuscript is being submitted.

If any change in authorship is necessary after a manuscript has been submitted, the Corresponding Author must e-mail a signed letter to the Editor-in-Chief confirming that all of the original coauthors have been notified and have agreed to the change. If the change involves the removal of a coauthor’s name, the Corresponding Author must, in addition, arrange for the coauthor involved to e-mail a separate signed letter to the Editor-in-Chief consenting to the change. No changes in the author list will be permitted after a manuscript has been accepted.

During manuscript submission, the submitting author must provide contact information (full name, email address, institutional affiliation, and mailing address) for all of the coauthors. Because all of the author names are automatically imported into the electronic Journal Publishing Agreement, the names must be entered into ACS Paragon Plus in the same sequence as they appear on the first page of the manuscript. (Note that coauthors are not required to register in ACS Paragon Plus.)

**Patent Activities and Intellectual Property**

Authors are responsible for ensuring that all patent activities and intellectual property issues are satisfactorily resolved prior to first publication (Just Accepted, ASAP, or in issue). Acceptance and publication will not be delayed for pending or unresolved issues of this nature.

**Open Researcher and Contributor ID (ORCID)**

Authors submitting manuscript revisions are required to provide their own personal, validated ORCID iD before completing the submission, if an ORCID iD is not already associated with their ACS Paragon Plus user profiles. This ID may be provided during original manuscript submission or when submitting the manuscript revision. All authors are strongly encouraged to register for an ORCID iD, a unique researcher identifier. The ORCID iD will be displayed in the published article for any author on a manuscript who has a validated ORCID iD associated with ACS when the manuscript is accepted.
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Appendix 2: Preparing Graphics
Resolution
Digital graphics pasted into manuscripts should have the following minimum resolutions:
- Black and white line art 1200 dpi
- Grayscale art 600 dpi
- Color art 300 dpi

Size
Graphics must fit a one- or two-column format. Single-column graphics can be sized up to 240 points wide (3.33 in.) and double-column graphics must be sized between 300 and 504 points (4.167 in. and 7 in.). The maximum depth for all graphics is 660 points (9.167 in.) including the caption (allow 12 pts. For each line of caption text). Lettering should be no smaller than 4.5 points in the final published format. The text should be legible when the graphic is viewed full-size. Helvetica or Arial fonts work well for lettering. Lines should be no thinner than 0.5 point.

Color
Color may be used to enhance the clarity of complex structures, figures, spectra, and schemes, etc., and color reproduction of graphics is provided at no cost to the author. Graphics intended to appear in black and white or grayscale should not be submitted in color.
Type of Graphics
Table of Contents (TOC)/Abstract Graphic
Consult the Guidelines for Table of Contents/Abstract Graphics for specifications.

Figures
A caption giving the figure number and a brief description must be included below each figure. The caption should be understandable without reference to the text. It is preferable to place any key to symbols used in the artwork itself, not in the caption. Ensure that any symbols and abbreviations used in the text agree with those in the artwork.

Charts
Charts (groups of structures that do not show reactions) may have a brief caption describing its contents.

Tables
Each table must have a brief (one phrase or sentence) title that describes the contents. The title should be understandable without reference to the text. Details should be put in footnotes, not in the title. Tables should be used when the data cannot be presented clearly in the narrative, when many numbers must be presented, or when more meaningful inter-relationships can be conveyed by the tabular format. Tables should supplement, not duplicate, information presented in the text and figures. Tables should be simple and concise.

Schemes
Each scheme (sequences of reactions) may have a brief caption describing its contents.

Chemical Structures
Chemical structures should be produced with the use of a drawing program such as ChemDraw.

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