

Last updated: March 26, 2024 [View the latest guidelines online](#)

Manuscript Submission Requirements Checklist

- **Fast Format:** ACS journals have simplified formatting requirements with a streamlined and standardized review-ready format for an *initial* manuscript submission.
- **Cover Letter:** must include a paragraph explaining why your manuscript is appropriate for *ACS Materials Au*, clearly indicating what key advance(s) are described in the work relative to the state-of-the-art, and a statement confirming the manuscript has not been previously published by any of the authors and/or is not under consideration for publication in another journal at the time of submission.
- **Suggested Reviewers:** Submit names and email addresses of at least six scientists from at least three different countries who could evaluate the work. When suggesting potential reviewers for a submitted manuscript, authors should not suggest reviewers who have a personal or professional connection to the authors or co-authors if the relationship might bias judgment of the manuscript, and suggested reviewers must not be at the same institution as any of the authors.
- **Disclosure of previous submissions:** If the manuscript was previously rejected by *ACS Materials Au*, provide the manuscript number and a detailed response to each reviewer's comments. If the manuscript was previously declined by any other journal, even without external peer review, this can be disclosed and providing the journal name and additional information is optional.
- **Disclosure of prior publication & ACS Materials Au preprint policy:** Submitted work must not be published elsewhere or concurrently submitted to another journal. Posting submitted manuscripts on a pre-print server is permitted in accordance with *ACS Materials Au* policy and must be disclosed upon submission to the journal, including a link to the preprint.
- **Author list with affiliations:** List of authors, order of authors, author affiliations, and manuscript title must be the same on all pieces of the submission and match the electronic entry at submission.
- **Manuscript Type:** Article, Letter, Review, Perspective, Correspondence/Rebuttal, or Addition and Correction
- **Title and Abstract:** Be clear and concise, reflect the emphasis and content of the manuscript. Titles and abstracts of manuscripts may not contain the words "New", "Novel", or "First"; "Superb", "Excellent", "Exceptional", "Outstanding" or other similar descriptive words discouraged unless rigorously supported by a thorough comparison with the state-of-the-art in the manuscript. Acronyms and abbreviations are not permitted in manuscript titles, unless they are broadly familiar to readers in all disciplines of chemistry.
- **Graphics (Figures/Tables/Schemes):** Text should be clear and legible, ideally with Arial or Helvetica fonts, with fonts no smaller than 8 pt. Chemical structures should be presented in ACS format. Authors should use drawing packages with journal-based templates, if possible. These contain the appropriate bond widths, bond lengths, fonts, and other settings recommended by *ACS Materials Au*. Figures must be mentioned in the text in consecutive order and numbered with Arabic numerals.
- **References:** Include article titles in references.
- **Safety:** Authors must emphasize any unexpected, new, and/or significant hazards associated

with the work.

- **Table of Contents graphic:** Dimensions of 3.25 inches by 1.75 inches (approx. 8.25 cm by 4.45 cm)
- **Cover Art** (optional): Authors may submit images to be considered for the cover (TIF, JPG, PNG or EPS files with a resolution of at least 300 dpi for pixel-based images). The image size is 8.19 inches (20.8 cm) wide × 10 inches (25.4 cm) high at 300 ppi.
- **Supporting Information** (if any): must be included at the time of electronic submission. Include the heading “Supporting Information” followed by the manuscript title, author list, and affiliations. Tables, Schemes, and Figures should be written as Table S1, Figure S1, Scheme S1, etc. All pages of the PDF Supporting Information should be numbered consecutively. Copies of all related works that are “in press”, “accepted”, or “submitted” for publication or in the late stages of preparation must be uploaded as Supporting Information for Review Only at the time of submission. References that are only available online should be cited by the Digital Object Identifier (DOI).
- **Administrative considerations:** All manuscripts must not be under consideration or published elsewhere; manuscripts will be screened with plagiarism software; information on whether the manuscript has been previously considered elsewhere must be provided; do not forget to list funding sources and utilize ORCID.

Scope of the Journal

[ACS Materials Au](#) is an open access journal publishing letters, articles, reviews, and perspectives describing high-quality research at the forefront of fundamental and applied research, and at the interface between materials and other disciplines, such as chemistry, engineering, and biology. Papers that showcase multidisciplinary and innovative materials research addressing global challenges are especially welcome. Areas of interest include, but are not limited to:

- Design, synthesis, characterization, and evaluation of forefront and emerging materials
- Understanding structure, property, performance relationships and their underlying mechanisms
- Development of materials for energy, environmental, biomedical, electronic, and catalytic applications.

Manuscript Types

Articles

Concise, yet comprehensive reports of original research that constitute a significant advance in the field(s) that they cover. Articles must be of high scientific quality, originality, significance, and conceptual novelty. Articles are not intended to be follow-up papers, unless they contain new and extensive information that will advance the understanding of the field. Articles include separate Introduction, Results and Discussion, Conclusions, and Methods sections.

Use of the template for Articles is strongly encouraged but is not required. If an author chooses not to use a template to prepare an Article, only Times and Symbol fonts and 1.5 or double line spacing should be used. Other fonts may cause problems when the PDF files used for review are created. Also, if the template is not used, the document mode or its equivalent in the word-

processing program should be used; i.e., files should not be saved in "Text Only" (ASCII) mode. If a non-Western version of word- processing software is used to prepare the manuscript, the file should be saved in rich-text format (RTF).

Articles should cover their subjects with thoroughness, clarity, and completeness but should be as concise as possible. Abstracts to Articles are typically limited to 300 words and should summarize the significant results and conclusions.

Letters

Short publications that report especially important results that benefit from being distributed rapidly to the materials science and engineering community. Letters are limited to 3000 words (not including references, abstract, or captions), contain a brief ~150 word abstract, and include up to 5 figures; no section headings are used. References are not included in word count to allow article titles to be included at submission. Special efforts will be made to expedite the review and the publication of Letters, and the time for proofreading the galley proofs is relatively short. A [template for Letters](#) is available.

Reviews

Topical, forward looking, and of general interest to the readership. Length is flexible (6–20 or more pages). A good review critically evaluates existing work of multiple groups in a field or across disciplines, provides a logical organization, and makes the material more easily available to those not expert in the area through clear text and figures. Reviews should lay out the challenges and opportunities that lie ahead. Reviews should contain an abstract, appropriate references, and a graphical Table of Contents entry. The use of graphics to illustrate key concepts is strongly encouraged.

Perspectives

Brief reports, reviews, or viewpoints summarizing research of interest to materials scientists and engineers. Perspectives are focused rather than comprehensive and often elaborate on important unanswered questions and approaches being taken to address them. The primary goal of a Perspective is to inspire and help direct future research efforts. Perspectives are expected to be less than five printed journal pages, contain a brief (>150 word) abstract, and ~20 references. While most Perspectives will be invited by the Editor, *ACS Materials Au* is open to unsolicited Perspectives. Authors interested in contributing a Perspective are strongly encouraged to contact the Editor prior to manuscript preparation and submission, to seek conditional approval of the proposed topic.

Authors interested in submitting a Review or Perspective are strongly encouraged to contact the Editor prior to manuscript preparation and submission, to seek conditional approval of the proposed topic. Authors interested in contributing a Review or Perspective should email the Editor, Stephanie Brock (stephanie.brock@journals.acs.org), providing a single document that includes the following for consideration:

1. Proposed Review or Perspective title
2. Corresponding author names, affiliations, and websites
3. A short (~400 word) description of the focused topic
4. A list of 5-10 lead references that will form the foundation of the manuscript
5. A list of recent review articles published on this topic, written by the submitting authors or others, and an explanation of how the proposed review will differ in focus and advance the

literature on the subject.

Correspondence/Rebuttal

Correspondence is a technical contribution providing, with supporting material, a respectful but alternative point of view to a publication that has appeared in *ACS Materials Au*. The author of the original publication may be invited to write a Rebuttal. The Correspondence and Rebuttal will appear in the same issue of the journal, when possible.

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](#) for additional information on everything that is needed to prepare (and review) manuscripts for ACS journals and partner journals, such as

- [Mastering the Art of Scientific Publication](#), 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](#) to ACS Paragon Plus, ACS Publications' manuscript submission and peer review environment, including details on selecting the applicable [Journal Publishing Agreement](#).
- [Sharing your research](#) with the public through the ACS Publications open access program.
- [ACS Reviewer Lab](#), a free online course covering best practices for peer review and related ethical considerations.
- [ACS Author Lab](#), a free online course that empowers authors to prepare and submit strong manuscripts, avoiding errors that could lead to delays in the publication process.
- [ACS Inclusivity Style Guide](#), a guide that helps researchers communicate in ways that recognize and respect diversity in all its forms.

Manuscript Preparation

Submit with Fast Format

All ACS journals and partner journals have simplified their formatting requirements in favor of a streamlined and standardized format for an initial manuscript submission. Read more about the requirements and the benefits these serves authors and reviewers [here](#).

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.
- When required by a journal's structure or length limitations, manuscript templates should be used.
- References can be provided in any style, but they must be complete, including titles. For information about the required components of different reference types, please refer to the [ACS Style Quick Guide](#).
- Supporting Information must be submitted as a separate file(s).

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](#).

General information on the preparation of manuscripts may also be found in the [ACS Guide to Scholarly Communication](#).

Acceptable Software, File Designations, and TeX/LaTeX

See the list of [Acceptable Software](#) and appropriate [File Designations](#) 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 should contain the following information:

- Manuscript title
- Names of all authors, as they appear on the manuscript
- Name and contact information (including email address) of the corresponding author
- Statement describing the significance, impact, novelty, and (for Letters) the urgency of the manuscript
- At least six scientists from at least three different countries who could evaluate the work. These suggested reviewers must not be former mentors or mentees nor collaborators or co-authors from the past five years and must not be at the same institution as any of the authors or otherwise have a conflict of interest with any of the authors.
- A statement explicitly assuring that the manuscript is not under consideration for publication elsewhere and that it has not been previously published

Please note any submission to a preprint server such as ChemRxiv, bioRxiv, or arXiv in the cover letter and include a link to the preprint, and as appropriate, state how the manuscript has been adjusted/updated between deposition and submission. Please refer to the Prior Publication Policy section of these guidelines for additional information on using preprint servers.

If the manuscript was discussed with an *ACS Materials Au* editor prior to submission, please also note that in the cover letter.

Manuscript Text Components

Title. Titles should clearly and concisely reflect the emphasis and content of the manuscript. Titles are of great importance for current awareness and information retrieval and should be carefully constructed for these purposes. Titles of manuscripts may not contain words like “First”, “New”, or “Novel”, nor any part number or series number. Additionally, “Superb”, “Excellent”, “Exceptional”, “Outstanding”, or other similar descriptive words, are strongly discouraged. Acronyms and

abbreviations are not permitted in manuscript titles, unless they are broadly familiar to readers in all disciplines of chemistry (e.g., RNA, DNA, 2D, 3D, etc.).

Author List. Include the name and institutional affiliation of all those who have made substantial contributions to the work. The full names and e-mail addresses of all co-authors must be provided on the Authors and Affiliations page upon submission of the manuscript in ACS Paragon Plus. Use of ORCID identifiers is encouraged. Deceased persons who meet the criteria for inclusion as coauthors should be included, with an Author Information note indicating the date of death. Addition or deletion of an author or authors after submission of the manuscript requires justification from the corresponding author and is subject to approval by the Editor. To facilitate indexing and retrieval and for unique identification of an author, use first names, initials, and surnames (e.g., Jody R. Smith) or first initials, second names, and last names (e.g., J. Riley Smith). At least one author must be designated with an asterisk as the person to whom correspondence should be addressed.

Institution Address. The author affiliation(s) listed should be the institution(s) where the work was conducted. If the present address of an author differs from that at which the work was done, that address should be given in an Author Information note.

Abstract. All Articles, Letters, Reviews, and Perspectives must contain an abstract and a Table of Contents (TOC) graphic. Abstracts should state briefly the purpose of the research, the principal results, and major conclusions. Abstracts should not contain claims of novelty. Abstracts for Articles and Reviews should be no more than 300 words and abstracts for Letters and Perspectives should be no more than 150 words.

Keywords. All Articles, Letters, and Perspectives must be accompanied by 5–8 keywords. These keywords will appear in the PDF version of the article and will also be used as a search term in the HTML version of the article.

Text. Articles include section headings (Results and Discussion, Conclusions, Methods or Experimental Section); subheadings are encouraged, and the “Introduction” heading is not used. Letters do not include section headings. Articles and Letters should both begin with introductory text that clearly and concisely explains the purpose and significance of the research and puts it into context with earlier work in the area. For Articles, the length should generally be 1000 words, and shorter for Letters. Avoid historical summaries and extensive literature surveys; be strategic (but accurate and complete) with literature discussions and citations. The results, and a discussion of the results, should follow and be accompanied by schemes and figures with well-composed captions. The main point(s) of the manuscript should be briefly summarized in a Conclusions section (for Articles) or at the end of the manuscript (for Letters), along with a forward-looking perspective on how these conclusions relate to the field(s) of study and what may come next. A complete Methods or Experimental section appears at the end of an Article or in the Supporting Information of a Letter. This section should include sufficient detail for other researchers to reproduce the work, as well as notes about potential hazards or safety considerations. Creative ways of presenting experimental details are encouraged, including troubleshooting tips, short videos, and step-by-step instructions.

Appendices. Appendix sections, if needed, must be placed in the Supporting Information.

Abbreviations. Acronyms and abbreviations that are not broadly familiar to readers in all disciplines of chemistry should be introduced in parentheses following the full term on its first appearance in the text. Do not include a separate Abbreviations list.

Acknowledgment. Notes acknowledging financial or professional assistance to the conduct of research should be brief and placed in the Acknowledgment section. All dedications must appear in the Acknowledgment section and are subject to approval by the Editor.

Author Information Notes. The e-mail address(es) of the corresponding author(s) must be provided as a Corresponding Author note. Present addresses for individual authors that differ from the address(es) at which the work was done should be given in a Present Address(es) note. Author contributions to the work or equal contributions of work should be included as a separate statement.

References. References to the literature are cited by superscript numbers at appropriate locations in the text. All literature citations are compiled in a numbered References list at the end of the manuscript text, in the order of their first citation in the text. Each numbered reference may contain only one literature citation. In the published version of the paper on the Web, many of them will be linked to other Web resources, such as the corresponding abstracts in Chemical Abstracts and the full text on publisher Web sites. Because of this electronic linking, and because the references are not checked in detail by editors or reviewers, it is crucial that authors verify their accuracy. Unnecessarily long lists of references and excessive self-citation are to be avoided; however, authors must reference all previous publications in which portions of the present work have appeared. Additional data and peripheral discussion should be placed in the Supporting Information rather than in references; footnotes are discouraged. Supplementary references may be placed in Supporting Information. Bibliographic references to classified documents and reports or references to unpublished materials that are not generally available to the scientific public should not be used. Authors must obtain written permission from any person whose work is cited as a personal communication, unpublished work, or work in press. Please use the following reference styles:

Example of a journal reference:

Feng, A.; Jiang, X.; Zhang, X.; Zheng, X.; Zheng, W.; Mohammed, O. F.; Chen, Z. Bakr, O. S. Shape Control of Metal Halide Perovskite Single Crystals: From Bulk to Nanoscale. *Chem. Mater.* **2020**, 32, 7602–7617.

Example of an in-press journal reference:

Czekalska, M. A.; Jacobs, A. M. J.; Toprakcioglu, Z.; Kong, L.; Baumann, K. N.; Gang, H.; Zubaite, G.; Ye, R.; Mu, B.; Levin, A.; Huck, W. T. S.; Knowles, T. P. J. One-Step Generation of Multisomes from Lipid-Stabilized Double Emulsions. *ACS Appl. Mater. Interfaces* **2021**, DOI: 10.1021/acsmi.0c16019.

Example of a reference to a book with no editors:

Desiraju, G. R.; Vittal, J. J.; Ramanan, A. **Crystal Engineering: A Textbook**. World Scientific Publishing Co Pte Ltd: Singapore, 2011.

Example of a reference to a book with editors:

Craighead, H. G. Nanostructures in Electronics. In *Nanomaterials: Synthesis, Properties and Applications*; Edelstein, A., Cammatata, R., Eds.; Taylor and Francis: New York, **1998**; pp 565–566.

Authors should consult the [ACS Guide to Scholarly Communication](#) for the appropriate style to use in citations of journal articles, books, and other publications. In literature references, article titles

must be included, and journal abbreviations should be those used in the [Chemical Abstracts Service Source Index \(CASSI\)](#).

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, nonsentence description of the actual contents of each file, including the file type extension, is required. This description should be labeled Supporting Information and should appear before the Acknowledgement and Reference sections. Examples of sufficient and insufficient descriptions are as follows:

Examples of sufficient descriptions: “Supporting Information: ^1H NMR spectra for all compounds (PDF)” or “Additional experimental details, materials, and methods, including photographs of experimental setup (DOC)”.

Examples of insufficient descriptions: “Supporting Information: Figures S1-S3” or “Additional figures as mentioned in the text”.

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.

Research Data Policy

All ACS journals strongly encourage authors to make the research data underlying their articles publicly available at the time of publication.

ACS Materials Au applies ACS Research Data Policy **Level 1**, meaning the journal encourages all authors to publicly share all the data underlying the results reported in the paper, preferably via archiving in an appropriate public repository. Authors are also encouraged to provide a [Data Availability Statement](#) describing the public availability of the data supporting the article's conclusions. Publicly available data sets should be [cited appropriately](#).

The [ACS Research Data Policy](#) provides additional information on Data Availability Statements, Data Citation, and Data Repositories.

Research data is defined as materials and information used in the experiments that enable the validation of the conclusions drawn in the article, including primary data produced by the authors for the study being reported, secondary data reused or analyzed by the authors for the study, and any other materials necessary to reproduce or replicate the results.

Data Requirements

Within research papers, authors are expected to provide firm evidence to establish both the identity and the purity of new substances. *ACS Materials Au* adheres to the Guidelines for Characterization of Organic Compounds set forth by [Journal of the American Chemical Society](#) and [The Journal of Organic Chemistry](#). Include the completed *J. Org. Chem.* Excel spreadsheet with the submitted manuscript. The criteria for other substances vary, but may include spectroscopic, crystallographic, chromatographic, electrophoretic, or other analytical methods.

Supply sequencing or functional data for all biological constructs, such as fusion proteins, plasmids, etc.

Crystal and NMR Structures. Small molecular crystallographic data should be submitted, prior to publication in *ACS Materials Au*, to the Cambridge Structural Database (www.ccdc.cam.ac.uk). For papers reporting macromolecular NMR or crystal structures, the atomic coordinates must be deposited in the Protein Data Bank (PDB) (www.rcsb.org/pdb) or the Nucleic Acid Database (ndbserver.rutgers.edu). In all cases, the accession code(s) must be listed in the published paper. These coordinates must be designated “for immediate release upon publication”. Authors of papers reporting X-ray crystal structures are encouraged to deposit the structure factor files in the PDB. No formal requirement exists for deposition of NMR assignments and constraints (see Biological Magnetic Resonance Data Bank at www.bmrwisc.edu). Description and presentation of NMR spectra must adhere to the requirements outlined in the [NMR Guidelines](#).

Electron Microscopy Data. No formal requirement exists for deposition of molecular envelope reconstruction from electron microscopy data, but authors are encouraged to deposit relevant information in appropriate databases. Approved databases for deposition of electron microscopy data are the Worldwide Protein Data Bank (www.wwpdb.org), the Protein Data Bank Japan (www.pdbj.org), or the Protein Data Bank in Europe (<http://www.ebi.ac.uk/pdbe>).

Single-Crystal Diffraction Data. Manuscripts reporting the determination of one or more structures by X-ray diffraction must adhere to the following requirements:

Abstract. The abstract may summarize geometric features of unusual interest but should not contain unit cell parameters.

Main Body of Manuscript. Tables of essential interatomic distances and angles are not required but may be submitted (metric information for standard structural components should not be included).

For structures with anisotropically refined atoms, a figure displaying the thermal ellipsoids should ordinarily be presented; a spherical-atom representation may be substituted if needed for clarity. If a spherical-atom view is chosen for the manuscript, a thermal ellipsoid figure should be included in the Supporting Information. In cases where intermolecular interactions are relevant to the discussion, a view of the unit cell may be included.

An Article should list for each structure the formula, formula weight, crystal system, space group, color of crystal, unit-cell parameters, temperature of data collection, and values of *Z*, *R*, and GOF; a brief description of data collection, and solution and refinement of the structure, should be placed in the Methods section. Tables of atom coordinates and thermal parameters will not be printed.

Supporting Information. Complete detailed data for each structure must be submitted in the electronic Crystallographic Information File (CIF) format. Deposition of CIF files in the Cambridge Crystallographic Data Centre (CCDC) does not eliminate the *ACS Materials Au* requirement to submit the CIF files as Supporting Information.

A separate CIF file for each structure should be uploaded. *ACS Materials Au* requires authors to run the CheckCIF program for each crystallographic structure and to correct any syntax errors in the CIF files prior to submission.

Structure factors (except for proteins and nucleic acids) should not be submitted as Supporting Information. However, one printed table of structure factors should be retained in case it is requested by the Editor for review purposes only.

Powder Diffraction Data. The presentation of X-ray powder diffraction data for new materials or for materials previously uncharacterized by this technique is encouraged. Data from X-ray powder measurements should be accompanied by details of the experimental technique: source of X-rays, the radiation, its wavelength, filters or monochromators, camera diameter, the type of X-ray recording, and the technique for measuring intensities. In cases of unindexed listing of the data, the d spacings of all observed lines should be listed in sequence, together with their relative intensities. In cases where filtered radiation is used, every effort should be made to identify residual lines. Where resolution into 1-2 doublets occurs, the identification of the d spacing for each line as d_1 , d_2 gives a measure of the quality of the diffraction pattern. When an indexing of the data is offered, the observed and calculated $1/d^2$ values should be listed along with the observed relative intensities (it is superfluous to give d spacings in this instance). All calculated $1/d^2$ values should be listed (exclusive of systematic absences), to the limit of the data quoted. If possible, the crystal system should be specified. Possible space groups may also be listed if the data warrant it. Relevant information about the specimen used should be included.

Magnetic Measurements. Fits of magnetic data [$X(T)$, $\chi^{-1}(T)$, $\chi T(T)$, $\chi(T)$, $M(H)$, etc.] to an analytical expression must include both the Hamiltonian from which the analytical expression is derived and the final analytical expression and fitting parameters. When the value of an exchange coupling constant, J , is given in the abstract, the form of the Hamiltonian must also be included. The expressions may be included in the manuscript or, if long and complex, as Supporting Information; if the latter method is used, it should be noted in the "Supporting Information Available" paragraph at the end of the manuscript. In addition, how the sample was measured (in a gelatin capsule, Teflon capsule, etc.) and the diamagnetic correction for the sample holder, as well as the diamagnetic correction for the material, must be provided and the manner in which it was calculated (Pascal's constants) or measured must be stated.

Computations. When computational results are an essential part of a manuscript, sufficient detail must be given, either within the paper or in the Supporting Information, to enable readers to reproduce the calculations. This includes data such as force field parameters and equations defining the model (or references to where such material is available in the open literature). Authors who report the results of electronic structure calculations are requested to provide as Supporting Information the geometries (either as Cartesian coordinates or Z matrices) of all the stationary points whose relative energies are given in the manuscript. The absolute energies in hartrees that are computed at these geometries should not be given in the manuscript but should be included in the Supporting Information. Where applicable, the number of imaginary frequencies should be reported to identify stable structures and transition states.

Large datasets for which an approved database has not yet been established must be housed as online Supporting Information at *ACS Materials Au*.

ACS Math Style. Authors including math, display or in-text, in their manuscripts are encouraged to consult the [ACS Guidelines for Presenting Mathematical Information](#). This style sheet provides brief discussion of formatting related to the presentation of mathematical formulas, complete with examples of ACS style and layout. This document was developed to help authors anticipate how mathematical expressions will be formatted in the published version of the paper.

Contributor Roles Taxonomy (CRediT)

[CRediT](#) is a high-level taxonomy used to identify and acknowledge the roles played by contributors to scientific scholarly output. During original submission and/or revision, there are 14 standard roles from which the submitting author can select to describe the specific contributions of each author. At this time, CRediT is optional for authors. Please note that author CRediT information will not transfer if the manuscript is transferred to a non-pilot journal. [Click here to learn more about the ACS CRediT pilot.](#)

Language and Editing Services

A well-written paper helps share your results most clearly. ACS Publications' [English Editing Service](#) is designed to help scientists communicate their research effectively. Our subject-matter expert editors will edit your manuscript for grammar, spelling, and other language errors so your ideas are presented at their best.

Preparing Graphics

The quality of illustrations in ACS journals and partner 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.

Graphics should be inserted into the main body whenever possible. Please see Appendix 2 for additional information.

Any graphic (figure chart, scheme, or equation) that has appeared in an earlier publication should include a [credit line](#) citing the original source. Authors are responsible for [obtaining written permission](#) to re-use this material.

Figure and Illustration Services

The impact of your research is not limited to what you can express with words. Tables and figures such as graphs, photographs, illustrations, diagrams, and other visuals can play a significant role in effectively communicating your findings. Our [Artwork Editing](#) and [Graphical Abstract](#) services generate publication-ready figures and Table of Contents (TOC) graphics that conform to your chosen journal's specifications. For figures, this includes changes to file type, resolution, color space, font, scale, line weights, and layout (to improve readability and professional appearance). For TOC graphics, our illustrators can work with a rough sketch or concept or help extract the key findings of your manuscript directly for use as a visual summary of your paper.

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

Submission of a manuscript to *ACS Materials Au* is contingent upon the agreement by all the authors that the reported work has not received prior publication and that no portion of this or any other closely related work is under consideration for publication.

ACS Materials Au authors may deposit an initial draft of their manuscript in a preprint service such as [ChemRxiv](#), [bioRxiv](#), [arXiv](#), or the applicable repository for their discipline before the manuscript is accepted for publication in *ACS Materials Au*. Authors may revise the preprint version of their manuscript up until a final acceptance decision has been issued. Please note any use of a preprint server in the cover letter and include a link to the preprint, and as appropriate, state how the manuscript has been adjusted/updated between deposition and submission. All other prior/redundant publication is forbidden. Upon publication in *ACS Materials Au*, authors should add a link from the preprint to the published article via the Digital Object Identifier (DOI). Some preprint servers, including ChemRxiv and bioRxiv, add this link for authors automatically after publication. For further details, contact the Editorial Office. For the ACS Publications policy on theses and dissertations, click [here](#).

Editorial Policies

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ACS Materials Au is a fully open access journal, with all content published under an open access license. There are therefore no subscription charges and no charge to access, read, and download articles published in the journal. Authors of accepted manuscripts will need to pay an Article Publishing Charge (APC) to publish their research in *ACS Materials Au*. The default license for authors will be CC BY-NC-ND, with the option to upgrade to CC BY. Discounts are available for ACS Members and further country discounts apply for authors based in countries with lower-income economies, [detailed here](#). Authors from institutions with ACS Read + Publish Agreements are eligible to have their APC covered through these agreements. [Information can be found here](#).

Pricing details [can be found here](#). For assistance with open access, please contact support@services.acs.org.

Anonymity of Peer Review

All manuscripts are subject to critical, single-anonymized peer review. It is to be understood that the final decision relating to a manuscript's suitability rests solely with the Editor.

The Peer Review Process

Editors evaluate submitted manuscripts, and only those judged to fall within the scope of the journal and to be of potential interest to *ACS Materials Au* readers are sent for external evaluation. Authors are required to suggest a minimum of six persons competent to review the manuscript from at least three different countries. Suggested referees may not be at the same institution as any of the manuscript authors, may not be former mentors or mentees, and they may not have a conflict of interest and/or have co-authored publications in the past 5 years with any of the authors. An author may request that a certain person not be used as a reviewer. The request will generally be honored by the Editor, unless the Editor feels this individual's opinion, in conjunction with the opinions of other reviewers, is vital in the evaluation of the particular manuscript.

Reviewers will evaluate the manuscript on the basis of originality, technical quality, clarity of presentation, and importance to the field. The editors evaluate the reviewers' arguments in the context of the scope and aims of the journal and make the final decision on each manuscript. The possible decisions will be:

- accept;
- revise to address the concerns of the reviewers before the editors make a final decision;
- reject but consider a resubmission if significant additional work is completed; or
- decline on the grounds of major technical or interpretational flaws, insufficient advance, or lack of novelty and interest.

Editorial decisions are based on many factors, and reviewers' concerns are taken seriously. In cases when reviewers suggest different decisions, the editors may request additional information from the reviewers, consult other experts, and/or ask the authors to clarify sections in question. Some manuscripts that are declined may be considered upon resubmission if significant additional work is completed.

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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 additional 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.

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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 their 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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