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- _____ Citation of references in the abstract have been avoided to the extent possible.
- _____ Acronyms/abbreviations have only been defined in the abstract if the term appears three or more times.
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- _____ The introduction is a single section without subsections and avoids excessive review.
- _____ The manuscript contains separate Results and Discussion sections. If this is not possible, then a request and justification for combined Results and Discussion sections have been added to the Cover Letter.
- _____ The Discussion section (or a subsection) clearly addresses the broader geochemical and/or cosmochemical significance and implications of the study.
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- _____ (Required only if the paper involves meteorite samples) Meteorite nomenclature uses the approved list of names in the Meteoritical Bulletin Database and new meteorite names have been submitted for consideration by the Meteorite Nomenclature Committee.
- _____ The Acknowledgments identifies the source(s) of funding that supported the study.
- _____ Any use of generative AI in preparation of the manuscript is disclosed in the paper. See the Disclosure Instructions in the GCA Guide for Authors.
- _____ The data underlying all figures and tables in the main paper and any supplementary material have been made available in a text-based numerical format via deposition in an open-access repository. A section entitled “Data Availability” has added followed by a sentence indicating the repository and the URL for the data. An example of this section might appear as follows:

Data Availability
Data are available through Mendeley Data at <https://doi.org/10.17632/cfdzx2rh8z.1>.

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- _____ If one or more Supplementary Material files are included in the submission, a section titled “Appendix A. Supplementary Material” is inserted between the Acknowledgements and References and briefly describes the contents of all supplementary files. This text should explain to readers the information that they can find in the supplementary file(s). This should be written in paragraph format, not as a list of captions. Do not discuss filenames, these names are lost when a paper is published online. Do not include text stating that the supplementary material can be found online, similar text is added during production. Note that this brief section in the main paper is the only use of the term “Appendix” in GCA. **The supplementary files are NOT appendices, they are simply “Supplementary Material”.**
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