Type of the Paper (Full Length Article, Technical Note, Review, Communication, etc.)

Title (Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.)

Firstname Lastnamea,\*, Firstname Lastnamea, Firstname Lastnameb,c

a Affiliation

b Affiliation

c Affiliation

Received day month year; received in revised form day month year; accepted day month year

**Abstract**: xxxxx. (A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself. The number of words should better be no more than 300. Abstract should be using one paragraph.)

**Keywords:** xxxx; xxxx xxxxx; xxxx xxxx (Authors should submit 3-8 keywords associated with their paper which should not be overlapped with the article title.)

1. Introduction[[1]](#footnote-2)

Main text. (State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.)

* 1. Xxxx xxxx xxx

**Requirements on the length of papers:** (1) Full length article should be full-length studies that present important breakthroughs. Articles can be short or long format, up to 12,000 words, with up to 20 figures and 6 tables, and 80 references; (2) Review should describe and synthesize recent significant developments in a single field, or across multidisciplinary fields, and highlight future directions. Reviews are limited to 15,000 words, up to 30 figures and 7 tables, and no more than 150 references (more may be permitted upon request); (3) Technical note should be brief scientific report of a preliminary nature. They are limited to 8000 words, up to 15 figures and/or 6 tables, and no more than 50 references (more may be permitted upon request). If the length has exceeded the limit, other materials are suggested to be included in Appendix.

* + 1. Xxxx xxxx xxx

**Only variables need to be italicized.** Please pay attention to the format of all parameters/equations in the main text and figures. For example, *dmax* should be *d*max, as the subscript "*max*" is just short for "maximum", which is not a variable and should not be italicized. Also, please pay attention to the **consistency** of the terminology.

Where a term/definition is continually referred to, it is written in full when it first appears, followed by the subsequent abbreviation in parentheses; thereafter, the **abbreviation** is used.

(1)

(2)

(3)

* Xxxx
* Xxxx
* Xxxx
* Xxxx

1. xxxxx
2. xxxxx
3. xxxxx

Main text. Xxxx Fig. 1xxxxx. Xxxxxx Fig. 2a and b xxxxx.



**Fig. 1.** Figure caption. (a) xxxx; and (b) xxxx.

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| --- |
|  |
| (a) |
|  |
| (b) |

**Fig. 2.** Figure caption xxxxxxx xxxxxxx xxxxxxxxxxxxxxx xxxxxxx xxxx xxxxx xxx xxxxxxxxx xxxx xxxx xxxx xxxxxx xxxxxxx xxxxx xxxxxxxx xxxx xxxxxxxxxx xxxxxxx xxxxx xxxxxxx. (a) xxxx; and (b) xxxx.

**Requirements on figures**

* File type: TIFF, PNG, DOC/DOCX, GIF and JPG;
* Image resolution: A minimum of 300 dpi.
* Figure size: the figures should be 80 mm (for double-column text areas) or 170 mm (for single-column text areas) wide, respectively.
* Figure lettering: Use the same font and font size in all figures throughput the text (usually 8 pt). Only use the following fonts in your illustrations: Times New Roman or Arial.
* Line: All lines should be at least 0.5 pt in thickness.
* All figures should be inserted into the main text close to their first citation and must be numbered following their number of appearance.

Main text. Xxxx Table 1. Xxxxxxx

Table 1

Table caption.

|  |  |  |  |
| --- | --- | --- | --- |
| Header | Header | Header | Header |
| xxxx | xxxx | xxxx | xxxx |
| xxxx | xxxx | xxxx | xxxx |

Note: xxxxxxxxx

**Requirements on tables**

* Tables should supplement, not duplicate, the text.
* For each table, please supply a table caption (title) explaining the components of the table.
* Identify any previously published material by giving the original source in the form of a reference at the end of the table caption.
* Footnotes to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data) and included beneath the table body.
* All tables should be inserted into the main text close to their first citation and must be numbered following their number of appearance.

1. Material and methods

Xxxxx (Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.)

1. Theory/calculation

Xxxxxx (A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.)

1. Results

Xxxxxx (Results should be clear and concise.)

1. Discussion

Xxxxxx (This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.)

1. Conclusions

Xxxxxx (The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.)

Declaration of Competing Interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

Acknowledgments

We acknowledge the funding support from XXX (Grant No. xxx). [Number of grants should be no more than three.]

List of symbols/notations or Abbreviations or Abbreviations and symbols

|  |  |
| --- | --- |
| ABC | xxxxxx |
| EFG | xxxxxx |
| *s* | xxxxxx |
| *σ*y(*s*) | xxxxxx |
| *C*c(*s*) | xxxxxx |
| *ε*a(*s*) | xxxxxx |

References

***Text:*** All citations in the text should refer to

1. Single author: the author's name (without initials, unless there is ambiguity) and the year of publication;

2. Two authors: both authors' names and the year of publication;

3. Three or more authors: first author's name followed by 'et al.' and the year of publication.

Citations may be made directly (or parenthetically). Groups of references should be listed first chronologically, then alphabetically.

***Examples:*** "as demonstrated in wheat (Allan and Jones, 1995; Allan, 1996a, b, 1999). Kramer et al. (2000) have recently shown ...."

***List:*** References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters “a”, “b”, “c”, etc., placed after the year of publication. **Please ensure that every reference cited in the text is also present in the reference list (and vice versa).** Any references cited in the abstract must be given in full.

For references with three to six authors, all the authors’ names must be listed.

For references with more than six authors, the first three authors’ names must be listed, followed by ‘et al.’.

***Examples:***

Journal articles:

He, M.C., 2014. Latest progress of soft rock mechanics and engineering in China. J. Rock Mech. Geotech. Eng. 6 (3), 165-179.

Hoek, E., Brown, E.T., 2019. The Hoek–Brown failure criterion and GSI – 2018 edition. J. Rock Mech. Geotech. Eng. 11 (3), 445-463.

Feng, X.T., Zhang, Z.Q., Sheng, Q., 2000. Estimating mechanical rock mass parameters related to the Three Gorges Project permanent shiplock using an intelligent displacement back analysis method. Int. J. Rock Mech. Min. 37 (7), 1039-1054.

Book with edition:

Plum, F., Posner, J.B., 1980. The diagnosis of stupor and coma, 3rd ed. FA Davis, Philadelphia, PA, USA.

Book chapter in book with editors:

Vutukuri, V.S., Lama, R.D., 1978. Dynamic elastic constants of rocks. In: Lama, R.D., Vutukuri, V.S. (Eds.), Handbook on Mechanical Properties of Rocks, vol. II. Trans Tech Publications, Clausthal-ZellerfieL, Germany, pp. 236-237.

Book chapter in book with editors and edition:

Levinsky, N.G., 1977. Fluid and electrolytes. In: Thorn, G.W., Adams, R.D., Braunwald, E. (Eds.), Harrison’s Principles of Internal Medicine, 8th ed. McGraw-Hill, New York, NY, USA, pp. 364-375.

Conference proceedings:

Holt, R.M., Kenter, C.J., 1992. Laboratory simulation of core damage induced by stress release. In: Tillerson, J.R., Waversik, W.R. (Eds.), Rock Mechanics – Proceedings of the 33rd U.S. Symposium on Rock Mechanics (USRMS). A.A. Balkema, Rotterdam, Netherlands, pp. 959-968.

Thesis:

Cairns, R.B., 1965. Infrared spectroscopic studies of solid oxygen. PhD Thesis. University of California, Berkeley, CA, USA.

Standard:

ASTM D2938-95, 1995. Standard test method of unconfined compressive strength of intact rock core specimens. ASTM International, West Conshohocken, PA, USA.

Website:

Christianson, M., Board, M., Rigby, D., 2006. UDEC simulation of triaxial testing of lithophysal tuff. Yucca Mountain Project Office. https://digital.library.unt.edu/ark:/67531/metadc779174/m1/1/. (Accessed 15 November 2020).

***Journal abbreviations source***

Journal names should be abbreviated according to the [List of Title Word Abbreviations](https://www.issn.org/services/online-services/access-to-the-ltwa/).

[Please provide a short CV for the first author, no more than 200 words, in association with a high-solution picture.

|  |  |
| --- | --- |
|  | Dr. **\*\*\*\***  is xxxxx |

Appendices

Xxxxx (If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A1), Eq. (A2), etc.; in a subsequent appendix, Eq. (B1) and so on. Similarly for tables and figures: Table A1; Fig. A1, etc.)

1. \**Corresponding author. E-mail address:* xxx@xxxx.xxx.xx [↑](#footnote-ref-2)