

Guidelines for Authors of Petrology

Petrology publishes original papers on the petrology of continental and oceanic igneous, metamorphic, and metasomatic rocks, experimental studies, theoretical and applied problems of geothermobarometry, the physicochemical analysis of mineral assemblages, isotope geochemistry, and geochronology, including the petrology of ore-hosting and mineralized rocks, and related problems in the science dealing with the materials that make up the Earth and other planets. Priority is given to studies in which generalizations are underlain by newly obtained factual, analytical, and simulation materials, with references to the latest publications. The journal publishes reviews on topical problems in petrology and related sciences approved by the editorial board, as well as critical notes and comments on earlier publications.

Petrology does not publish presentations devoted to specific issues of classifications, purely descriptive materials, methodical recommendations that do not contain any fundamentally new information, manuscripts oriented toward a local audience, and presentations containing conclusions that are unjustified or do not correspond to the state of the art of the studies in petrology.

A manuscript must be submitted in electronic form online via <https://publish.sciencejournals.ru/>, and must conform to the following requirements.

(1) Manuscripts submitted for publication must be carefully proofread and signed by the authors. The manuscript must be prepared in Microsoft Word doc-, or docx-, or rtf-file; font size 12; 1.5-spaced; all A4 pages numbered, with left margin of 25 mm. The figures, figure captions, and tables must be in separate files, and the placement of the tables and the figures must be indicated at the margins of the text. The manuscripts must normally be no larger than 10 000 words (including tables, figures, and list of references). See supplementary materials preparation guide at <http://pleiades.online/ru/authors/guidlines/prepare-electronic-version/supplementary-materials>

(2) The manuscript must be accompanied by a covering letter containing synopsis of the presented work as well as the potential reviewer names. Also indicate the corresponding author and the affiliations.

(3) The authors are advised to adhere to the following structure of the manuscript: (i) title; (ii) list of authors, their affiliations, e-mail and complete postal addresses; (iii) comprehensive abstract (no longer than one printed page); (iv) formulation of the problem; (v) factual material; (vi) discussion; (vii) conclusions; (viii) acknowledgments (if necessary); (ix) references (no more than 60 entries); the name, address, phone number, and e-mail address of the corresponding author(s).

(4) Illustrations should be no smaller than 5 × 6 cm and no larger than 18 × 24 cm. The size of figures shall be adequate to their content. Figures must be printable with a resolution of no less than 300 dpi. The figures shall contain the minimum necessary lettering and numerical designations compatible with the figure captions. All maps, sketches, and cross sections must contain their scales (orientations and coordinate grids). The face of each figure must contain its number and the first author's name. Also see <http://pleiades.online/ru/authors/guidlines/> for more details.

(5) Physical units and symbols must be given in accordance with the International System of Units (SI). All abbreviations, except for a few commonly used ones, must be explained. Mineral symbols should comply with internationally adopted notations (e.g., D.L. Whitney and B.W. Evans, *Am. Mineral.* 95, 185–187, 2010). Mineral analyses should be given with crystal chemical formulas (oxygen method) and, if possible, with end members. Clinopyroxene and

amphibole formulas must be calculated with Fe²⁺ and Fe³⁺ separation: for Cpx after R.G. Cawthorn and K.D. Collerson (*Am. Mineral.*, 1974, vol. 59, pp. 1203–1208, end-members after Morimoto et al. (1998)); for Amph: after J.C. Schumacher (*Eur. J. Mineral.*, 1997, vol. 9, pp. 643–651, and Amph type according to Leake et al., (1997)).

(6) The list of references must be in the alphabetical order and have the following format: the names and initials of all authors, full title of the manuscript and journal (or collection of manuscripts), volume, issue, number, pages, year of publication in parentheses or, for books, the title of the book and its publisher, place of publication, year.

If more than one entry with the same author are listed, these entries must be arranged as follows: first, the manuscripts by a given author alone listed in chronological order (Petrov, 2000, 2004), then manuscripts by two authors in alphabetical order (Petrov, Ariskin, 2000; Petrov, Ivanov 1998), and finally, manuscripts by three or more authors in chronological order (Ivanov et al., 1998, 2006). The names of the authors must be in italics; the rest of the text must be in Roman. 2 References in the text must be in parentheses (name of author, year), for example, (Tsvetkov, 2000; Tsvetkov and Borisov, 2005; Tsvetkov et al. (more than two authors), 2008). If an entry is quoted without any authors' names, the first word of its title must be given (Map..., 1980).

For example:

Sakhar, T. and Schenk, V., Two-stage granulite formation in a Proterozoic magmatic arc (Ongole domain of the eastern Ghats Belt, India): Part 1. Petrology and pressure–temperature evolution, *Precambrian Res.*, 2014, vol. 255, pp. 485–509.

Spear, F.S., Peacock, S.M., Kohn, M.J., and Florence, F., Computer programs for petrologic *P–T–t* path calculations, *Am. Mineral.*, 1991, vol. 76, pp. 2009–2012.

Spear, F.S., *Metamorphic Phase Equilibria and Pressure–Temperature–Time Paths*, Washington, DC: Mineral. Soc. America, 1993.

Sills, J.D. and Rollinson, H.R., The metamorphic evolution of the Lewisian complex, *Evolution of the Lewisian and Comparable Precambrian High Grade Terrains*, Park, R. G. and Tarney, J., Eds., *Geol. Soc. London: Spec. Publ.*, 1987, vol. 28, pp. 81–92.

(7) Together with the manuscript, the authors should submit completed, signed, and scanned copy of the copyright transfer agreement – <https://www.pleiades.online/ru/authors/agreement/>

(8) After the manuscript is published, a reprint is sent to the first author in a PDF file. Please note that the quality of the manuscript preparation and clarity of the text are taken into account by the editorial board when a decision is made on accepting the manuscript and affect the time needed for its preparation for publishing. The editorial board may reject manuscripts that do not meet the above requirements. Once rejected, a manuscript cannot be reconsidered.