Guidelines for Authors of The Physics of Metals and Metallography

The manuscript should describe research, indicate its place in the corresponding field of science, and discuss the value of the work. The manuscript should contain a sufficient amount of information and references to available sources so that the work can be reproduced.

A Microsoft Word template should be used to prepare the manuscript.

The following information should be specified on the first page:

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- Abstract of up to 200 words;
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The title of the manuscript should be concise but informative.

All authors are indicated before the addresses of their affiliations. Surnames are preceded by initials, separated by spaces (A. A. Ivanov, P. P. Petrov). If the work is done at several organizations, use italic letters *a*, *b*, *c* in superscripts.

The abstract should give the reader concise information about the content of the manuscript. It should be informative and reflect not only the main goals of the work, but also the main results and conclusions. The abstract should be a self-contained description of the work, understandable without reading the manuscript. There should be no references to tables, figures, or publications, nor should there be cumbersome mathematical formulas. The length of an abstract should not exceed 200 words. The abstract should be offset from the left margin by at least 2 cm.

The address for correspondence must contain the surname of the corresponding author (not necessarily the first author), his complete postal address, phone number, fax, and e-mail address.

The keywords should reflect the main problems of the manuscript. Two to ten keywords may be specified.

Manuscript format

General recommendations

- Decimal fractions are typed with a period, not a comma (0.25, not 0,25).
- Always put a space between the initials and surname: A.A. Ivanov, except for the list of authors in the title, where the spaces are placed between the initials: A. A. Ivanov.
- Do not put a period after the title of the manuscript, a list of authors, a list of affiliations, headings and subheadings, table headings, and units of measure.
- Use a period after footnotes (including in tables), notes for tables, figure captions, and the abstract.

Units of measure

- Only one system of units (either SI or CGS) should be used within the manuscript.
- Units of measure are separated from numbers by a space (100 kPa, 77 K, 10.34(2) Å) except for degrees, percent, and per mille: 90°, 20°C, 50‰, 0.5. Fractional units of measure can be used (58 J/mol, 50 m/s²).
- For complex units, both negative powers (J mol⁻¹ K⁻¹) and brackets (J/(mol K) or J (mol K)⁻¹) can be used, if it facilitates understanding. The main condition is that the units of measure should be used consistently throughout the manuscript.

- In lists and in numerical intervals, the unit of measure is given only for the last number (18–20 J/mol), with the exception of angular degrees.
 - Angular degrees are never omitted: 5°–10°, not 5–10°.
- Units of measure for variables are given with a comma (E, kJ/mol), and for the arguments of logarithms, in brackets without a comma ($\ln t$ [min]).

Formulas

• Formulas should be inserted in the text using Microsoft Equation or MathType equation editor. Italics are used only for typesetting variables and physical quantities. In typing mathematical functions and abbreviations of names and other words in superscripts and subscripts, use plain characters.

List of references

References should be typed according to the samples given below.

- 1. W. A. Harrison, Solid State Theory (McGraw-Hill, New York, 1969).
- 2. T. Mori, "Magnetic and thermoelectric properties of boron-rich solids," in *Boron Rich Solids: Sensors, Ultra High Temperature Ceramics, Thermoelectrics, Armor*, Ed. by N. Orlovskaya and M. Lugovy (Springer, Heidelberg, 2011). doi 10.1007/978-90481-9818-4_5
- 3. M. A. Anisimov, A. V. Kuznetsov, A. V. Bogach, V. V. Glushkov, S. V. Demishev, N. A. Samarin, N. Yu. Shitsevalova, A. V. Levchenko, V. B. Filippov, and N. E. Sluchanko, "Suppression of spontaneous magnetization in PrB₆ paramagnetic phase, *Proc. Int. Sci.-Techn. Conf. INTERMATIC 2012*, Part 2, pp. 160–163 (2012).
- 4. Z. Xu, L. Pantisano, A. Kerber, R. Degraeve, E. Cartier, S. Degendt, M. Heyns, and G. Groeseneken, "A study of relaxation current in high-μ dielectric stacks," IEEE Trans. Electron Dev. **51**, 402–408 (2004).
- 5. B. Hoekstra, R. P. van Stapele, and J. M. Robertson, "Spin-wave resonance spectra of inhomogeneous bubble garnet films," J. Appl. Phys. 48, 382–395 (1977).