Graphical Abstract

Manuscript number

Title of Manuscript

*1. Abbreviated symbols, if not conventionally used, should be avoided.*

*2. Description of element symbols*

*·When an element name is used as a symbol of material, the use of element symbols should be avoided and the name of the element should be fully spelled out.*

*·When the element name is used as chemical symbol or adjectively used, the element symbol can be used.*

*3. Expressions such as “Study on” or “On the” should be avoided as the start of the title.*

*4. Definite articles and indefinite articles are used as less as possible.*

*5. Words other than prepositions, conjunctions and articles are all capital letters including hyphen-connected words.*

Author1\* , co-Author 2 …… and last-Author3*(Both the first name and last name should be written out fully. Middle names can be abbreviated.)*

*(Author’s Affiliation)*

1 Address line 1, Address line 2, postcode Country

2 Address line 1, Address line 2, postcode Country

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*1. When authors belong to different research organizations, each organization should be designated by superscript numbers, in the form 1, 2 etc. The name of the department, name of the organization, and the address should be fully written out and should be separated by commas. The postal zip code and country name should also be given.*

*2. The name of the research organization should be given under the names of the authors.*

\*Corresponding author, E-mail:

*1. When an author's present affiliation is different from the name of the organization, in which the research was performed, it should be expressed as a footnote using an asterisk.*

*2. For graduate students and undergraduate students, the affiliation should be expressed as a footnote using an asterisk.*

*3. Oral presentation should not be shown in the footnotes. If it is needed, quote the abstracts or proceedings in REFERENCES.*

Abstract ((Abstract text. 12 point, double-spaced.Numeral equations and references cannot be designated by numbers..))

Keywords*:*

*Except for proper nouns, all letters should be small letters.*

*1. It is advisable to select keywords from the title and synopsis, since these contain important words.*

*However, keywords can also be selected from other parts of the manuscript.*

*2. Keywords should be selected so as to be concrete meaningful words with as narrow definition as possible. Critical, Stress →critical stress Life→tool life, fatigue life*

*3. Use of keywords in noun form*

*Studied experimentally→ experimental study*

*4. Name of elements, name of chemicals, name of compounds and so forth should be fully spelled out instead of using the symbol of the element.*

*CrMo steel→chromium molybdenum steel E→Young's modulus, modulus of longitudinal elasticity*

*5. Simplified symbols and abbreviated forms cannot be used. ESR*

*6. Use of compounded words and phrases is restricted to those that are commonly used.*

*7. Be careful not to omit popular words.*

*8. In the case that the authors have difficulties of whether to select or not, please select them as keywords.*

1. Introduction

Citation of references should be made sequentially, in the form [1, 2] or [3-6]. List of References should be attached.

1. Experimental Procedure

The insertion location of the Figures and Tables should be identified in red in the margin of the body.

Figure 1 shows…

* 1. Process and materials
     1. Process
     2. Materials

large size heading: 1. 2. ···

middle size heading: 1.1 2.1···

small size heading: 1.1.1 2.1.1···

(1) (2)···

(a) (b)···

(1) Mo thin film

1. Results and Discussions
2. Conclusion

Acknowledgments

Acknowledgments should be made at the end of the manuscript, leaving an interval of one line after the body of the text. Financial assistance, the use of apparatus and the receipt of research funding and so on, should all be acknowledged in this section.

REFERENCES

1. No footnotes are allowed in the main text. Comments and notes are to be shown in the references.

2. One reference number should correspond to one reference. Even if another reference of the same author is cited, allocate a different reference number and do not use the expression, “ibid”.

3. A reference is described in the order: names of authors (no need of comma before “and”), title, the abbreviated name of the journal, volume number (year), page. Volume number should be expressed in Gothic type, and the names of books in italics. The abbreviation of journals should follow the ISO standard.

4. When authors are 15 or less, all of the names should be given, instead of using “et al”.

*Example of journal*

*Example of journal*

[1] S. R. Pati and M. Cohen:Nucleation of the isothermal martensitic transformation Germination de la transformation martensitique isotherme Die keimbilditng der isothermen martensitischen umwandlung, Acta Metall. **17** (1969) 189-199.

[2] W. Köster, T. Gödecke and D. Heine:Der Aufbau des Systems Kupfer-Indium-Zinn ım Bereich von 100 bis 50 At.-% Cu, Z. Metallk. **63** (1972) 802-807.

*Example of book*

[3] W. Hume-Rothery, R. E. Smallman and C. W. Haworth: *The Structure of Metals and Alloys*, (The Metals and Metallurgy Trust of the Institute of Metals and Institution of Metallurgists, London, 1969) pp. 336-342.

[4] E. Houdremont: *Handbuch der Sonderstahlkunde*, 3. Aufl., 2. Bd., (Springer-Verlag, Berlin, 1956) pp. 934-939.

*Example of Proceedings*

[5] C. Wagner:Thermodynamics of alloys,Steelmaking, The Chipman Conference, ed. by J. F. Elliott, (The M.I.T. Press, Cambridge, Massachusetts, 1965) pp. 19-25.

[6] J. Ishihara and I. Ikuta: The non-uniformity of amorphous ribbon made by double roller quenching method, Proc. 4th Int. Conf. on Rapidly Quenched Metals,（The Japan Inst. Metals, Sendai, 1982）pp. 19-25.

[7] D. Schryvers: Quantifying 3D precipitate distributions and strain fields in Ni-Ti SMA with different processing conditions, Collected Abstracts of the 2010 Spring Meeting of the Japan Inst. Metals（2010）p. 213.

[8] T. Kinzoku: Microstructure and mechanical properties of Mg alloys, Collected Abstracts of the 201x Spring (Autumn) Meeting of the Japan Inst. Metals 2011 No. xx (DVD)

*Example of Government report*

[9] A. Colloza and J.L. Dolce: NASA/TM2005-213427, (NASA Glenn Research Center 2005), p.22 (online)

Example of Webpage

[10]"Grants.gov Application Guide SF424 (R&R)". U.S. Department of Health and Human Services.

http://grants.nih.gov/grants/funding/424/SF424\_RR\_Guide\_General\_Adobe\_VerC.pdf, (accessed 201x-04-28)

*Example of Online database*

[11] MMDB-Entrez's Structure Database. National Library of Medicine, National Center of Biotechnology Information.

http://www.ncbi.nlm.nih.gov/Structure/MMDB/mmdb.shtml, (cited 201x-04-28).

*Example of footnotes*

[12] 1 eV＝1.60218×10－19J

Appendix

Tables and Figures and equation numbers in the Appendix, should be numbered separately from the numbering in the main text, by writing: A1, A2, etc.

Captions List

Table1 Caption….

Table2 Caption….

Fig.1 Caption….

Fig.2 Caption….

Fig.3 Caption….

Table1 Caption.

|  |  |
| --- | --- |
|  | Thermal conductivity, κ/ W·m-1K-1 |
| TiB2  TiC  TiN  ZrB2 | 69.9(1300 K)  30.0(1773 K)  67.8(1773 K)  64.5(1300 K) |

Fig.1 Caption.