Title goes here: a capital letter should be used only at the beginning of the first word, and for proper nouns, scientific and trade names, and chemical symbols

Richard A. Smith1\*, Taro Suzuki2, and Hanako Satoh2,3\*

1 Key Laboratory of High Efficiency and Clean Mechanical Manufacture, Shandong University, Jinan, Shandong, 250061, China

2National Institute for Materials Science, Tsukuba, Ibaraki 987-6543, Japan

3Institute of Materials Research, University of Tokyo, Bunkyo, Tokyo 123-4567, Japan

E-mail: \*\*\*@jsap.or.jp, \*\*\*@jsap.com

**Abstract:** Abstract concisely states the objectives and scope of research, and summarizes the results and principal conclusion gained in your research work. A well-written abstract, together with the title, enables potential readers to determine whether your paper is interesting and worth reading in full. Abstracts must be concise, generally presented as one paragraph, and the length should not exceed 180 words for CJUMP papers. It should not contain display equations. It is not part of the text and should be complete in itself: no tables, figures, or references should be cited. It must be a single paragraph.

**Keywords:** 3D microfabrication, femtosecond laser, photosensitive glass, Each manuscript must be given 2-6 keywords below the abstract.

**1. Introduction**

The introduction is a critical part of your paper because it introduces the reasons behind your paper’s existence.1-4) It must state the objectives and scope of your work, present what problem or question you address, and describe why this is an interesting or important challenge. It is important to introduce appropriate and sufficient references to prior works so that readers can understand the context and background of the research and the specific reason for your research work. Having explored those, the objectives and scope of your work must be clearly stated. The introduction may explain the approach that is characteristic to your work, and mention the essence of the conclusion of the paper.5)

**2. Experimental methods**

The Methods section provides sufficient detail of theoretical and experimental

methods and materials used in your research work so that any reader would be able to repeat your research work and reproduce the results. Be precise, complete and concise: include only relevant information. For example, provide a reference for a particular technique instead of describing all the details.6-8)

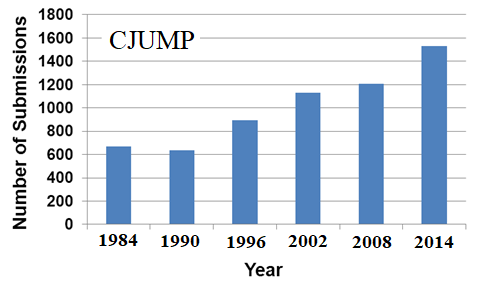
If you need to use equations, especially display equations, they should be prepared using the Equation Editor if possible. Equations should be centered with equation numbers set flush right. For Math Type math, use the Format Equations feature to format all equations as Times + Symbol 10. Note: There must be a blank line space above and below each displayed equation.

(1)

**3. Results and discussion**

3.1 Results

The Results subsection presents the facts, findings of the study, by effectively using figures and tables. This section must present the results clearly and logically to highlight potential implications. Combine the use of text, tables, and figures to digest and condense the data, and highlight important trends and extract relationships among different data items. Figures must be well designed, clear, and easy to read. Figure captions should be succinct yet provide sufficient information to understand the figures without reference to the text.



**Fig. 1.** Figures must be complete so that no editing will be required. All the figure should be inserted into the paper.

**Figure:**

* Ensure that each illustration has a caption. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.
* Figures must be embedded, in place, in your article-text file for the reviewer’s reference. Should your paper be accepted for publication, you will be asked to upload individual figure files.
* Number figures in the order in which they appear in text.
* Identify all figure parts with (a), (b), etc. Avoid any large size differences of the lettering and labels used within one illustration.
* Submit illustrations in the size and resolution you wish them to appear in print.
* IMPORTANT: All fonts must be embedded in your figure files.

3.2 Discussion

In the Discussion subsection, present your interpretation and conclusions gained from your findings. You can discuss how your findings compare with other experimental observations or theoretical expectations. Refer to your characteristic results described in the Results section to support your discussion, since your interpretation and conclusion must be based on evidence. By properly structuring this discussion, you can show how your results can solve the current problems and how they relate to the research objectives that you have described in the Introduction section. This is your chance to clearly demonstrate the novelty and importance of your research work.

**4. Conclusions**

The Conclusion section **summarizes the important results and impact of the research work. Future work plans may be included if they are beneficial to readers.**

**Funding:**

This work was supported by the National Institutes of Health [grant numbers xxxx, yyyy]; and the United States Institutes of Peace [grant number aaaa].

**Acknowledgments**

Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.

Appendix

If necessary, Appendixes can be written after the acknowledgment. If there are two or more appendixes, they should be labeled Appendix A, Appendix B, etc.

**References**

**Journal paper**

1. Q. Ji, X. Ma, J. Sun, H. Zhang, and Y. Yao, Novel method for measurement of effective cavity length of DBR fiber, Chin. Opt. Lett. 8, **398** (2010).

**Book**

1. N. Bloembergen, Nonlinear Optics (Springer, 1965).

**Paper in published conference proceedings**

1. R. E. Kalman, "Algebraic aspects of the generalized inverse of a rectangular matrix", in Proceedings of Advanced Seminar on Generalized Inverse and Applications 111 (1976).

**CJUMP proceedings**

1. 4. S. K. Griebel, M. Richardson, K. E. Devenport, and H. S. Hinton, Experimental performance of an ATM-based buffered hyperplane CMOSSEED smart pixel array, Proc. Of CJUMP 3005, 254 (1984).

**Paper accepted for publication**

1. H. Qi, M. Zhu, W. Zhang, K. Yi, H. He, and J. Shao, Dependence of wavefront errors on the nonuniformity of thin film, Jan. J. Appl. Phys (to be published).

**Internet links**

1. A. G. Ramm, H. Wang, and J. Ye, "Invisible obstacles", http://www.arxiv.org/abs/math-ph/0608034 (June 1, 2011).

**Patent**

1. K. Zhang, J. Zhang, R. Wang, R. Guo, J. Wang, and K. Peng, All solid state single frequency and frequency-doubled laser (in Chinese) Chinese Patent ZL98125474.8 (2000).
2. **Each reference number should correspond to only one reference. Different papers by the same authors should be listed separately in the reference list under different numbers (excluding errata).**
3. **The term “ibid.” should not be used even if the same journal or book is cited with different page numbers.**
4. **The term “et al.” should not be used in the references. List all the authors (with the exception of software references with a very large number of authors, for which et al. may be used).**

**Table I.** The following expressions should be used.

|  |  |
| --- | --- |
| At the beginning of a sentence | Within a sentence |
| Section 1 | Sect. 1 |
| Section 2 and 3 | Sects. 2 and 3 |
|  |  |
| Equation (1) | Eq. (1) |
| Equations (2) and (3) | Eqs. (2) and (3) |
| Equations (4) – (10) | Eqs. (4) – (10) |
|  |  |
| Table I | Table I |
| Tables I and II | Tables I and II |
| Tables II– VI | Tables II– VI |
|  |  |
| Figure 1 | Fig. 1 |
| Figures 1(a) and 1(b) | Figs. 1(a) and 1(b) |
| Figures 2–5 | Figs. 2–5 |
|  |  |
| Reference 1 | Ref. 1 |
| References 1 and 2 | Refs. 1 and 2 |
| References 3–5 | Refs. 3–5 |