Template for preparing a research article for submission to *Applied Optics*,JOSA A,or JOSA B

Author One,1 Author Two,1 Author Three2,\*

1Publications Department, OSA—The Optical Society, 2010 Massachusetts Avenue N.W., Washington, D.C. 20036

2College of Physics, Jilin University, Changchun 130012, China

\*Corresponding author: author\_three@uni-jena.de

Received XX Month XXXX; revised XX Month, XXXX; accepted XX Month XXXX; posted XX Month XXXX (Doc. ID XXXXX); published XX Month XXXX

This template can be used to prepare a research article for submission to *Applied Optics*, JOSA A, or JOSA B. Consult the [OSA Author Style Guide](https://www.osapublishing.org/submit/templates/default.cfm) for general information about manuscript preparation. © 2015 Optical Society of America

**OCIS codes:** (140.3490) Lasers, distributed-feedback; (060.2420) Fibers, polarization-maintaining; (060.3735) Fiber Bragg gratings; (060.2370) Fiber optics sensors.

http://dx.doi.org/10.1364/AO.99.099999

To use this template, you will need to apply the embedded styles to each paragraph-level item in your manuscript, or simply use this template as a visual guide.

 **Headings.** The styles for the three levels of headings in *Applied Optics,* JOSA A*,* and JOSA B are

1. SECTION

A. Subsection 1

1. Subsection 2

**Using the Word styles.** In this template, styles such as “01 Title” for the manuscript appear in the MS Word Styles ribbon (or toolbar for older versions of Word). The names of these styles will begin with “OSA”; for example, the title style is “OSA Title.” Apply the appropriate style before typing or apply the style to existing text. It is possible to paste manuscript text into this template or attach this template to an existing manuscript.

**Margins.** The margins for articles published in *Applied Optics*, JOSA A, and JOSA B are 0.75” (top), 0.88” (bottom), and 0.69” (left and right). Please ensure that these margins are set for the *whole* document.

**Equations.** Display equations should be broken and aligned for two-column display unless spanning across two columns is essential. For MathType math, use the Format Equations feature to format all equations as Times + Symbol 10. Apply the Equations style to create appropriate spacing above and below.

  (1)

 Fig. 1. Caption text with descriptions of (a), (b), and (c).

**Figures.** As with tables and equations, figures should be set as one column wide if possible unless two-column display is essential. If possible, set the figures in the desired position within the text. Consult the [Electronic Art Submission Guidelines](https://www.osapublishing.org/submit/style/OSA_art.pdf) for a guide to sizing figures and figure type.

**Tables.** Styles for table title, table head, and table text are provided in the MS Word Styles ribbon. Tables should be set as one column wide if possible and be placed near their first mention in the body.

**Supplementary material.** Consult the [Author Guidelines for Supplementary Materials in OSA Journals](https://www.osapublishing.org/submit/style/multimedia.cfm) for details on accepted types of materials and instructions on how to cite them.

All materials must be associated with a figure, table, or equation *or* be referenced in the results section of the manuscript.

(1) 2D and 3D image files and video must be labeled “Visualization,” not “Movie,” “Video,” “Figure,” etc.

(2) Machine-readable data (for example, csv files) must be labeled “Data File.” Number data files and visualizations consecutively, e.g., “Visualization 1, Visualization 2….”

(3) Large datasets or code files must be placed in an open, archival database. Such items should be mentioned in the text as either “Dataset” or “Code,” as appropriate, and also be cited in the references list. For example, “see Dataset 1 (Ref. [1]) and Code 1 (Ref [2]).” Here are examples of the references:

**Sample dataset citation**

1. T. Ireno and R. Tadaa, "Chemical and mineral compositions of sediments from ODP Site 127-797" (Geological Institute, University of Tokyo, 2009), [**http://dx.doi.org/10.1594/PANGAEA.726855**](http://dx.doi.org/10.1594/PANGAEA.726855).

**Sample code citation**

1. Zima Engineering, ZIMA-CAD-Parts: Application for management of CAD files and projects (version 0.5.0-beta1) [software] (2013), [**http://sourceforge.net/projects/zima-cad-parts/**](http://sourceforge.net/projects/zima-cad-parts/).

**Funding sources and acknowledgments.** Formal funding sources should be listed in a separate paragraph block before any other acknowledgment information. Funding sources and any associated grant numbers should match the information entered into the Prism manuscript system. Funders should be listed without any introductory language or use of labels (do not use labels such as “grant no.”). Here is an example:

**Funding Information.** National Science Foundation (NSF) (1263236, 0968895, 1102301); The 863 Program (2013AA014402)

**Acknowledgment**. We thank the Optics Laboratory for the use of their equipment.

References

1. M. R. E. Lamont, Y. Okawachi, and A. L. Gaeta, “Study about lasers and optics,” Opt. Lett. **38,** 3478 (2013).
2. A. Cordero-Davila, J. R. Kantun-Montiel, and J. Gonzalez-Garcia, in Imaging and Applied Optics Technical Digest 2012 (Optical Society of America, 2012), p. 13.