Length-check template for preparing a research article for submission to Optica Publishing Group journals *Applied Optics*, *Journal of Optical Communication and Networking*, JOSA A, JOSA B, *Optics Letters*, *Optica*, *Optica Quantum*, and *Photonics Research*

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

1Optica Publishing Group, Optica, 2010 Massachusetts Avenue N.W., Washington, D.C. 20036

2Publications Department, Optica, 2010 Massachusetts Avenue NW, Washington, DC 20036, USA

†These authors contributed equally to this work.

\*[author\_three@uni-jena.de](mailto: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 contains important information on submissions to Optica Publishing Group journals. We encourage authors to focus foremost on their content and not on formatting. The template is provided as a guide, but following the visual styling is optional. Each manuscript will be formatted in a consistent way during production. Authors also have the option to [submit articles](https://opticaopen.org) to the Optica Publishing Group preprint server, [Optica Open](https://preprints.opticaopen.org). You may find it helpful to use our optional [Paperpal manuscript readiness check](https://preflight.paperpal.com/partner/optica/opticapublishinggroupjournals) and [language polishing service](https://languageediting.optica.org/). Note that copyright and licensing information should not be added to your journal or Optica Open manuscript.

We encourage authors preparing submissions to focus foremost on their content and not on formatting. This template is provided as a guide, but following the visual styling is optional. Each manuscript will be formatted in a consistent way during production. Authors also have the option to [submit articles](https://opticaopen.org) to the Optica Publishing Group preprint server, [Optica Open](https://preprints.opticaopen.org). You may find it helpful to use our optional [Paperpal manuscript readiness check](https://preflight.paperpal.com/partner/optica/opticapublishinggroupjournals) and [language polishing service](https://languageediting.optica.org/).

**Author affiliations.** Only one single corresponding author may be identified for a manuscript. The corresponding author typically is the person who submits the manuscript and handles correspondence throughout the peer review and publication process. Alternatively, you may choose not to identify a corresponding author and instead use an author note to indicate equal author contributions. Only the corresponding author will have an asterisk attached to their email address. Additional co-author e-mail addresses will have a superscript number in the numerical order of the affiliations.

If all authors share one affiliation, superscript numbers are not needed. For different affiliations, all authors must have superscripts to callout each affiliation. Individual affiliations should be on separate lines. Do not use abbreviations. Please include the country at the end of the affiliation.

Author One1 and Author Two2,\*

1Peer Review, Publications Department, Optica, Washington, DC 20036, USA

2Publications Department, Optica, Washington, DC 20036, USA

\*xyz@optica.org

**For an affiliation line with two email addresses (only one for the corresponding author):**

Author One1,3 and Author Two2,\*

1Peer Review, Publications Department, Optica, Washington, DC 20036, USA

2Publications Department, Optica, Washington, DC 20036, USA

3xyz@optica.org

\*xyz2@optica.org

**Option 2 for affiliation line with corresponding author designation and a note with a statement about author contributions:**

Author One1,\* and Author Two2,†

1Peer Review, Publications Department, Optica, Washington, DC 20036, USA

2Publications Department, Optica, Washington, DC 20036, USA

†The authors contributed equally to this work.

\* xyz@optica.org

**Headings.** *Optics Letters* papers and *Optica* letters should not have section headers. *Applied Optics,* JOSA A*,* and JOSA B use section headings. The styles for the three levels of headings are

1. SECTION

A. Subsection 1

1. Subsection 2

**Equations.** Display equations should be broken and aligned for one-column display unless spanning two columns is essential. All display equations should be created in MathType or the Microsoft Equation editor included in Microsoft Word 2013 and later. Inline equations can be created with these tools or by using a keyboard and Unicode characters where needed for the best-quality line spacing. Note that LaTeX users can type LaTeX code directly into MathType for rendering in Word. **Please do not submit display math as images.**

**Figures.** Figures should be set to one column wide if possible unless two-column display is essential. If possible, set the figures in the desired position within the text. In the caption, the abbreviation “Fig.” for figure should appear first, followed by the figure number and a period. For figures being reprinted by permission of the publisher, include the permission line required by that publisher in the caption. Also, cite the work the figure was taken from in the references. See the example in the Fig. 1 caption. Please refer to the information on [permissions and reprints](https://opg.optica.org/submit/review/permissions_reprints.cfm?source=authornav) for instructions.

To meet accessibility requirements, do not rely solely on color to identify elements in figures (such as blue and red curves). Instead, use shapes or other features along with color. For example, you can use dashed and dotted lines, different shapes for data points, text labels pointing to the color features, numbering, etc.

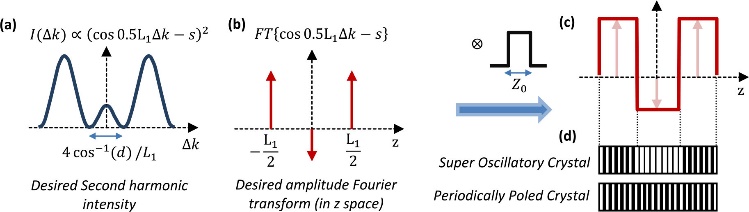


Fig. 1. Caption text with descriptions of (a), (b), and (c). Reprinted with permission from Smith *et al*., Phys. Rev. Appl. **17**(2)**,** 015510 (2024) [46]. Copyright 2024 by the American Physical Society.

Table 2. Optical Constants of Thin Films of Materials*a*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 83.4 nm | |  | 121.6 nm | |
| Material | n | K |  | n | k |
| Ir | 1.182 | 0.865 |  | 1.450 | 1.040 |
| MgF2 | 1.584 | 0.487 |  | 1.682 | 0.0627 |
| Al | 0.09874 | 0.1915 |  | 0.0424 | 1.137 |
| Mo | 0.98 | 1.08 |  | 0.78 | 1.03 |
| C | 1.16 | 1.29 |  | 1.85 | 1.10 |

*a*Tables have titles and not captions. If additional explanation of the title or entries in the body of the table is needed, use footnotes below the table body.

**Tables.** As with figures, tables should be set as one column wide if possible and be placed near their first mention in the body.

**Supplementary material.** Supplementary materials uploaded through Prism will be hosted in the [figshare portal](https://opticapublishing.figshare.com/). The material in figshare will not be publicly accessible during peer review. Datasets and code may be uploaded to the figshare portal or be placed in an appropriate external repository. See the guidelines below.

|  |  |
| --- | --- |
| Type | Description |
| Supplemental Document*a* | PDF document with expanded descriptions or methods |
| Visualization | 2D image, 3D image, video |
| Data File | Small data file such as data underlying a plot in a figure |
| Dataset | Dataset stored in an appropriate external repository |
| Code | Code or simulation files stored in an appropriate external repository |

*a*At this time, supplemental PDF files are not accepted for partner titles, JOCN and *Photonics Research*.

Please refer to the [Author Guidelines for Supplementary Materials](https://opg.optica.org/submit/style/supplementary_materials.cfm) for instructions on labeling supplementary materials in your manuscript. For preprints submitted to Optica Open a link to supplemental material should be included in the submission.

**Back Matter**

**Funding.** The funding section should appear immediately after the main text and will be generated from details the author enters in Prism at submission. Authors may add placeholder funding text in the manuscript to help assess the length, but that text will be replaced during production by a funding block generated from the submission information in Prism. If additional details about a funder are required, include them in the Acknowledgments (see the example below). For preprint submissions, please include funder names and grant numbers in the manuscript.

**Acknowledgment.** Include acknowledgments at the end of the document. Additional information crediting individuals who contributed to the work being reported, clarifying who received funding from a particular source, or other information that does not fit the criteria for the funding block (name of funder, grant/award number) may also be included. For example, “K. Flockhart thanks the National Science Foundation for help identifying collaborators for this work.”

**Disclosures*.*** Disclosures should be listed in a separate section at the end of the manuscript. List the Disclosures codes identified on the [Conflict of Interest](https://opg.optica.org/submit/review/conflicts-interest-policy.cfm) policy page, as shown in the examples below:

ABC: 123 Corporation (I,E,P), DEF: 456 Corporation (R,S). GHI: 789 Corporation (C).

If there are no disclosures, then list “The authors declare no conflicts of interest.”

**Data Availability Statement (DAS).** A DAS is required for all submissions except JOCN. The DAS should be an unnumbered separate section titled “Data availability” that immediately follows the Disclosures section. See the [Data Availability Statement policy page](https://opg.optica.org/submit/review/data-availability-policy.cfm) for more information.

Below we provide minimal models of four common (sometimes overlapping) situations that authors should use as guidance. You many paste the example that fits your submission and edit the details as needed.

1. When datasets are included as integral supplementary material in the paper, they must be declared (e.g., as “Dataset 1” following our current [Supplementary Materials Policy](https://opg.optica.org/content/author/portal/item/style-supplementary-materials/)) and cited in the DAS, and should appear in the references.

**Data availability.** Data underlying the results presented in this paper are available in Dataset 1, Ref. [5].

1. When datasets are cited but not submitted as integral supplementary material, they must be cited as a reference in the DAS.

**Data availability.** Data underlying the results presented in this paper are available in Ref. [5].

1. If the data generated or analyzed as part of the research are not publicly available, that should be stated. Authors are encouraged to explain why (e.g. the data may be restricted for privacy reasons), and how the data might be obtained or accessed in the future.

**Data availability.** Data underlying the results presented in this paper are not publicly available at this time but may be obtained from the authors upon reasonable request.

1. If no data were generated or analyzed in the presented research, that should be stated.

**Data availability.** No data were generated or analyzed in the presented research.

Data availability statements are not required for preprint submissions.

**Supplemental Document.** If the article has a supplemental document, it must be called out in the back matter so that a link can be included. For example, “See Supplement 1 for supporting content.” Note that the Supplemental Document must also have a callout in the body of the paper.

**References.** The reference list should appear at the end of the article after the back mater. In the references, list only the first three authors. If there are four or more authors, list the first three authors and use *et al*. after the third. Please refer to the [Author Style Guide](https://opg.optica.org/submit/style/optica-styleguide.cfm) or information on how to treat different reference types.

In the main text, reference citations must be numbered in the order in which they are cited. Reference citations should appear in the following format: For a single reference citation, the number should be surrounded by brackets as [1], and punctuation marks go after the closing bracket as in this sentence [2]. Two reference citations should be included together within one set of brackets and separated by a comma like this [3,4], while three or more consecutive reference citations should be indicated by only the first and last numbers separated by an en-dash within one set of brackets like this [1–4].

References

1. P. J. Harshman, T. K. Gustafson, and P. Kelley, “Title of paper,” J. Chem. Phys. **161**(10) (to be published).
2. L. M. Rachbauer, D. Bouchet, U. Leonhardt, *et al*., J. Opt. Soc. Am. B **41**(9), 2122–2139 (2024).
3. X. Chen, B. Wen, H. Zhang, *et al*., Opt. Express **32**(19), “Enhanced performance of all-PM Ho-doped fiber oscillator using NPE-SESAM hybrid mode-locking,” 32643–32654 (2024).
4. D. Yelin, D. Oron, S. Thiberge, *et al*., “Multiphoton plasmon-resonance microscopy,” Opt. Express **11**(12), 1385–1391 (2003).
5. M. Partridge, “Spectra evolution during coating,” figshare (2019), <https://doi.org/10.6084/m9.figshare.1004612>.
6. F. Author, “Title of preprint,” Optica Open 000000 (2023),

<https://doi.org/10.1364/opticaopen.>00000000.