

# Universal manuscript template for Optica Publishing Group journals

**AUTHOR ONE,<sup>1</sup> AUTHOR TWO,<sup>2,\*</sup> AND AUTHOR THREE<sup>2,3</sup>**

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**Abstract:** L<sup>A</sup>T<sub>E</sub>X manuscripts submitted to Optica Publishing Group journals may use these instructions and this universal template format. The template simplifies manuscript preparation and eases transfer between journals. *Applied Optics*, JOSA A, JOSA B, *Journal of Optical Communications and Networking*, and *Photonics Research* authors should use the length-check template if a precise length estimate is needed. *Optics Letters* authors and authors of short *Optica* articles are encouraged to use the length-check template. Authors using this universal template will still need to adhere to article-length restrictions based on the final, published format.

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## 1. Introduction

Adherence to the specifications listed in this template is essential for efficient review and publication of submissions. Proper reference format is especially important (see Section 8).

## 2. Corresponding author

We require manuscripts to identify a single corresponding author. The corresponding author typically is the person who submits the manuscript and handles correspondence throughout the peer review and publication process.

```
\author{Author One\authormark{1} and Author Two\authormark{2,*}}
```

```
\address{\authormark{1}Peer Review, Publications Department,  
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This format will generate the following appearance:

**AUTHOR ONE<sup>1</sup> AND AUTHOR TWO<sup>2,\*</sup>**

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42 If other statements about author contribution and contact are needed, they can be added in  
43 addition to the corresponding author designation.

```
44 \author{Author One\authormark{1,3} and Author Two\authormark{2,3,*}}  
45  
46 \address{\authormark{1}Peer Review, Publications Department,  
47 Optica Publishing Group, 2010 Massachusetts Avenue NW,  
48 Washington, DC 20036, USA\\  
49 \authormark{2}Publications Department, Optica Publishing Group,  
50 2010 Massachusetts Avenue NW, Washington, DC 20036, USA\\  
51 \authormark{3}The authors contributed equally to this work.\\  
52 \authormark{*}opex@optica.org}}
```

53 This format will generate the following appearance:

54 **AUTHOR ONE<sup>1,3</sup> AND AUTHOR TWO<sup>2,3,\*</sup>**

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58 *20036, USA*

59 <sup>3</sup>*The authors contributed equally to this work.*

60 *\*opex@optica.org*

### 61 3. Abstract

62 The abstract should be limited to approximately 100 words. If the work of another author is cited  
63 in the abstract, that citation should be written out without a number, (e.g., journal, volume, first  
64 page, and year in square brackets [Opt. Express **22**, 1234 (2014)]), and a separate citation should  
65 be included in the body of the text. The first reference cited in the main text must be [1]. Do not  
66 include numbers, bullets, or lists inside the abstract.

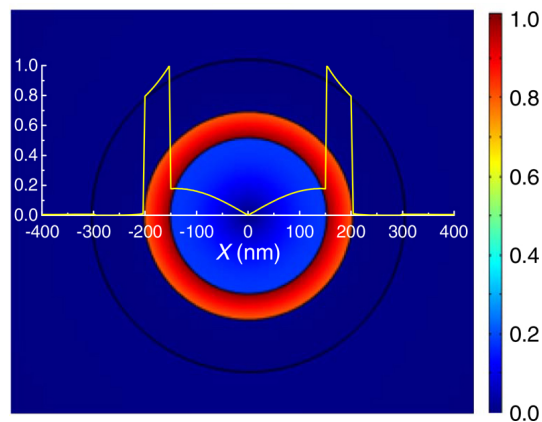


Fig. 1. Sample caption (Fig. 2, [1]).

### 67 4. Assessing final manuscript length

68 The Universal Manuscript Template is based on the Express journal layout and will provide  
69 an accurate length estimate for *Optics Express*, *Biomedical Optics Express*, *Optical Materials*

70 *Express*, and our newest title *Optics Continuum*. *Applied Optics*, JOSAA, JOSAB, *Optics Letters*,  
71 *Optica*, and *Photonics Research* publish articles in a two-column layout. To estimate the final  
72 page count in a two-column layout, multiply the manuscript page count (in increments of 1/4  
73 page) by 60%. For example, 11.5 pages in the Universal Manuscript Template are roughly  
74 equivalent to 7 composed two-column pages. Note that the estimate is only an approximation, as  
75 treatment of figure sizing, equation display, and other aspects can vary greatly across manuscripts.  
76 Authors of Letters may use the legacy template for a more accurate length estimate.

## 77 **5. Figures, tables, and supplementary materials**

### 78 *5.1. Figures and tables*

79 Figures and tables should be placed in the body of the manuscript. Standard L<sup>A</sup>T<sub>E</sub>X environments  
80 should be used to place tables and figures:

```
81 \begin{figure} [htbp]  
82 \centering\includegraphics[width=7cm]{opticafig1}  
83 \caption{Sample caption (Fig. 2, \cite{Yelin:03}).}  
84 \end{figure}
```

### 85 *5.2. Supplementary materials in Optica Publishing Group journals*

86 Our journals allow authors to include supplementary materials as integral parts of a manuscript.  
87 Such materials are subject to peer-review procedures along with the rest of the paper and should  
88 be uploaded and described using our Prism manuscript system. Please refer to the [Author  
89 Guidelines for Supplementary Materials in Optica Publishing Group Journals](#) for more detailed  
90 instructions on labeling supplementary materials and your manuscript.

91 **Authors may also include Supplemental Documents** (PDF documents with expanded  
92 descriptions or methods) with the primary manuscript. At this time, supplemental PDF files are  
93 not accepted for partner titles, JOCN and *Photonics Research*. To reference the supplementary  
94 document, the statement “See Supplement 1 for supporting content.” should appear at the bottom  
95 of the manuscript (above the References heading).

### 96 *5.3. Sample Dataset Citation*

97 1. M. Partridge, "Spectra evolution during coating," figshare (2014), <http://dx.doi.org/10.6084/m9.figshare.1004612>.

### 98 *5.4. Sample Code Citation*

99 2. C. Rivers, "EpiPy: Python tools for epidemiology," figshare (2014) [retrieved 13 May 2015],  
100 <http://dx.doi.org/10.6084/m9.figshare.1005064>.

## 101 **6. Mathematical and scientific notation**

### 102 *6.1. Displayed equations*

103 Displayed equations should be centered. Equation numbers should appear at the right-hand  
104 margin, in parentheses:

$$J(\rho) = \frac{\gamma^2}{2} \sum_{k(\text{even})=-\infty}^{\infty} \frac{(1+k\tau)}{[(1+k\tau)^2 + (\gamma\rho)^2]^{3/2}}. \quad (1)$$

105 All equations should be numbered in the order in which they appear and should be referenced  
106 from within the main text as Eq. (1), Eq. (2), and so on [or as inequality (1), etc., as appropriate].

## 107 7. Backmatter

108 Backmatter sections should be listed in the order Funding/Acknowledgment/Disclosures/Data  
109 Availability Statement/Supplemental Document section. An example of backmatter with each of  
110 these sections included is shown below.

111 **Funding.** Content in the funding section will be generated entirely from details submitted to Prism.  
112 Authors may add placeholder text in the manuscript to assess length, but any text added to this section  
113 in the manuscript will be replaced during production and will display official funder names along with  
114 any grant numbers provided. If additional details about a funder are required, they may be added to the  
115 Acknowledgments, even if this duplicates information in the funding section. See the example below in  
116 Acknowledgements.

117 **Acknowledgments.** The section title should not follow the numbering scheme of the body of the paper.  
118 Additional information crediting individuals who contributed to the work being reported, clarifying who  
119 received funding from a particular source, or other information that does not fit the criteria for the funding  
120 block may also be included; for example, “K. Flockhart thanks the National Science Foundation for help  
121 identifying collaborators for this work.”

122 **Disclosures.** Disclosures should be listed in a separate nonnumbered section at the end of the manuscript.  
123 List the Disclosures codes identified on the [Conflict of Interest policy page](#), as shown in the examples below:

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

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

126 **Data Availability Statement.** A Data Availability Statement (DAS) will be required for all submissions  
127 beginning 1 March 2021. The DAS should be an unnumbered separate section titled “Data Availability”  
128 that immediately follows the Disclosures section. See the [Data Availability Statement policy page](#) for more  
129 information.

130 Optica has identified four common (sometimes overlapping) situations that authors should use as guidance.  
131 These are provided as minimal models, and authors should feel free to include any additional details that  
132 may be relevant.

133 1. When datasets are included as integral supplementary material in the paper, they must be declared  
134 (e.g., as "Dataset 1" following our current supplementary materials policy) and cited in the DAS, and  
135 should appear in the references.

136 **Data availability.** Data underlying the results presented in this paper are available in Dataset 1,  
137 Ref. [3].

138 2. When datasets are cited but not submitted as integral supplementary material, they must be cited in  
139 the DAS and should appear in the references.

140 **Data availability.** Data underlying the results presented in this paper are available in Ref. [3].

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

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

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

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

148 **Supplemental document.** See Supplement 1 for supporting content.

## 149 8. References

150 Proper formatting of references is extremely important, not only for consistent appearance but  
151 also for accurate electronic tagging. Please follow the guidelines provided below on formatting,  
152 callouts, and use of BibTeX.

### 153 8.1. Formatting reference items

154 Each source must have its own reference number. Footnotes (notes at the bottom of text pages) are  
155 not used in our journals. References require all author names, full titles, and inclusive pagination.  
156 Examples of common reference types can be found in the [style guide](#).

157 The commands `\begin{thebibliography}{} and \end{thebibliography}` for-  
158 mat the section according to standard style, showing the title **References**. Use the `\bibitem{label}`  
159 command to start each reference.

### 160 8.2. Formatting reference citations

161 References should be numbered consecutively in the order in which they are referenced in the  
162 body of the paper. Set reference callouts with standard `\cite{}` command or set manually  
163 inside square brackets [1].

164 To reference multiple articles at once, simply use a comma to separate the reference labels, e.g.  
165 `\cite{Yelin:03,Masajada:13,Zhang:14}`, produces [1–3].

### 166 8.3. BibTeX

167 BibTeX may be used to create a file containing the references, whose contents (i.e., contents of  
168 .bbl file) can then be pasted into the bibliography section of the .tex file. A BibTeX style file,  
169 `optica.jnl.bst`, is provided.

170 If your manuscript already contains a manually formatted `\begin{thebibliography}...`  
171 `\end{thebibliography}` list, then delete the `latexmkrc` file (if present) from your  
172 submission files. However you should ensure that your manually-formatted reference list adheres  
173 to style accurately.

## 174 9. Conclusion

175 After proofreading the manuscript, compress your .tex manuscript file and all figures (which  
176 should be in EPS or PDF format) in a ZIP, TAR or TAR-GZIP package. All files must be  
177 referenced at the root level (e.g., file `figure-1.eps`, not `/myfigs/figure-1.eps`). If  
178 there are supplementary materials, the associated files should not be included in your manuscript  
179 archive but be uploaded separately through the Prism interface.

180 Add references with BibTeX or manually. [1–8]

## 181 References

- 182 1. D. Yelin, D. Oron, S. Thiberge, E. Moses, and Y. Silberberg, “Multiphoton plasmon-resonance microscopy,” *Opt.*  
183 *Express* **11**, 1385–1391 (2003).
- 184 2. J. Masajada, M. Bacia, and S. Drobczyński, “Cluster formation in ferrofluids induced by holographic optical tweezers,”  
185 *Opt. Lett.* **38**, 3910–3913 (2013).
- 186 3. Y. Zhang, S. Qiao, L. Sun, Q. W. Shi, W. Huang, L. Li, and Z. Yang, “Photoinduced active terahertz metamaterials  
187 with nanostructured vanadium dioxide film deposited by sol-gel method,” *Opt. Express* **22**, 11070–11078 (2014).
- 188 4. Optica Publishing Group, “Optica,” <https://opg.optica.org>.
- 189 5. P. Forster, V. Ramaswamy, P. Artaxo, T. Bernsten, R. Betts, D. Fahey, J. Haywood, J. Lean, D. Lowe, G. Myhre,  
190 J. Nganga, R. Prinn, G. Raga, M. Schulz, and R. V. Dorland, “Changes in atmospheric constituents and in radiative  
191 forcing,” in *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth*  
192 *assessment report of Intergovernmental Panel on Climate Change*, S. Solomon, D. Qin, M. Manning, Z. Chen,  
193 M. Marquis, K. B. Averyt, M. Tignor, and H. L. Miler, eds. (Cambridge University Press, 2007).

- 194 6. B. H. Dean, D. L. Aronstein, S. J. Smith, R. Shiri, and S. D. Acton, "Phase retrieval algorithm for JWST flight and  
195 testbed telescope," in *Space Telescopes and Instrumentation I: Optical, Infrared, and Millimeter*, vol. 6265 (2006),  
196 p. 17.
- 197 7. R. McKay, "X-ray crystallography," Ph.D. thesis, Princeton University (1982).
- 198 8. C. Rivers, "EpiPy: Python tools for epidemiology," figshare (2014) [retrieved 13 May 2015], [http://dx.doi.  
199 org/10.6084/m9.figshare.1005064](http://dx.doi.org/10.6084/m9.figshare.1005064).