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†These authors contributed equally to this work.

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3.4 Abstract

The abstract should be limited to approximately 100 words. If the work of another author is cited in the abstract, that citation should be written out without a number, (e.g., journal, volume, first page, and year in square brackets [Opt. Express **22**, 1234 (2014)]), and a separate citation should be included in the body of the text. The first reference cited in the main text must be [1]. Do not include numbers, bullets, or lists inside the abstract. Note that no licensing or copyright statement should appear on the manuscript itself. Such information will be added to the Accepted Manuscript, the published version, or the Optica Open preprint as part of production to ensure accuracy and consistency of appearance.

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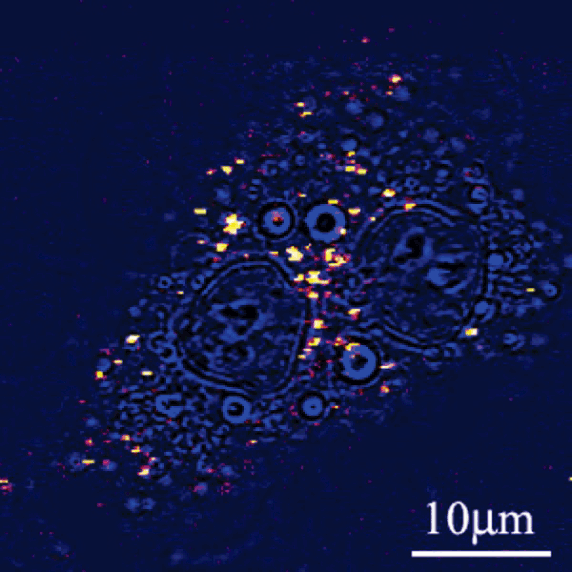


Fig. 1. Sample caption (Ref. [4], Fig. 2).

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| --- | --- |
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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*From Appl. Opt. **40**, 1128 (2001).

1. Back matter

5.1 Funding

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

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**Funding.** National Institutes of Health (123456); National Science Foundation (456789).

**Acknowledgments.** K. Flockhart thanks the National Science Foundation for help identifying collaborators for this work.

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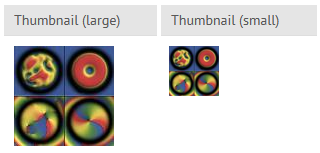


Fig. 2. Preview of thumbnail image display on the author submission page.

References

1. P. J. Harshman, T. K. Gustafson, and P. Kelley, “Title of paper,” J. Chem. Phys. **3**, (to be published).
2. K. Gallo and G. Assanto, “All-optical diode based on second-harmonic generation in an asymmetric waveguide,” J. Opt. Soc. Am. B **16**(2), 267–269 (1999).
3. B. R. Masters, “Three-dimensional microscopic tomographic imagings of the cataract in a human lens in vivo,” Opt. Express **3**(9), 332–338 (1998).
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.