

VISUALIZING OPTICS

# “Optics in 2022” Cover Art

For its December 2022 “year in optics” feature, OPN received numerous submissions for cover art. Which do you like best?



Asymmetric light control with nonlinear metasurfaces.

S. Kruk and Y. Kivshar / Australian National University [Image by Ella Maru Studio]



Wavelength multiplexing for quantum networks.

H-H. Lu et al. / Oak Ridge National Laboratory, Purdue University and SRI International [Image by Y.-Y. Pai]



Magnetic-free  $\text{Si}_3\text{N}_4$  integrated optical isolator.

H. Tian et al. / Purdue University and EPFL [Image by R. Allen and P. Allen, Second Bay Studios]



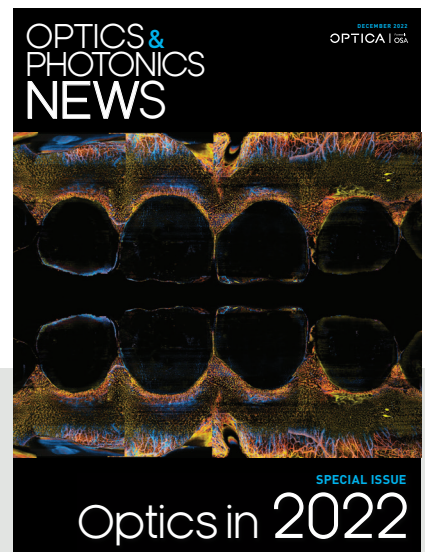
Coupled resonators twist the flow of light.

Y. Hu and M. Lončar / Harvard University



3D zero-order imaging—a new holographic principle.

A. Goncharsky et al. / M.V. Lomonosov Moscow State University and Moscow Computer Holography Centre



Multimodal handheld intraoral OCT and angiography.

H.M. Subhash et al. / Colgate Palmolive and University of Washington Seattle [Image by N. Le and H.M. Subhash]

Selected for OPN's  
"Optics in 2022" cover



Distributed Brillouin fiber laser sensor.

J.B. Murray et al. / US Naval Research Laboratory and Sandia National Laboratories [Image by J.B. Murray]



Metasurfaces boost color-imaging sensitivity.

M. Miyata et al. / NTT Device Technology Laboratories [Image by M. Miyata]



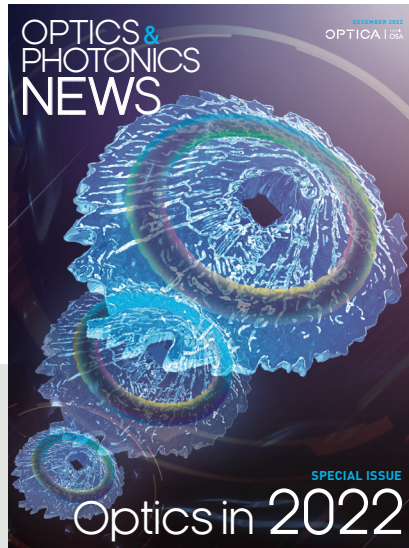
**Which cover would you choose?**

Take our poll to select your favorite:  
[optica-opn.org/optics-in-2022/poll](https://optica-opn.org/optics-in-2022/poll)



Lithium niobate isolators outperform magneto-optics.

O.E. Örsel et al. / University of Illinois



Toroidal vortices of light.

C. Wan et al. / Univ. of Shanghai for Sci. and Technol., Zhangjiang Lab. and Pusan Natl. Univ



Two-photon machining of sensors on fiber tips.

J. Williams et al. / Air Force Institute of Technology and AFRL, Wright-Patterson AFB

View all of the "Optics in 2022" research summaries: [optica-opn.org/optics-in-2022](https://optica-opn.org/optics-in-2022).