

CORRECTION | JUNE 03 2022

## Publisher's Note: "Generation of integer and fractional perfect vortex beams using all-dielectric geometrical phase metasurfaces" [Appl. Phys. Lett. 120, 201701 (2022)] **FREE**

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*Appl. Phys. Lett.* 120, 229901 (2022)

<https://doi.org/10.1063/5.0100473>

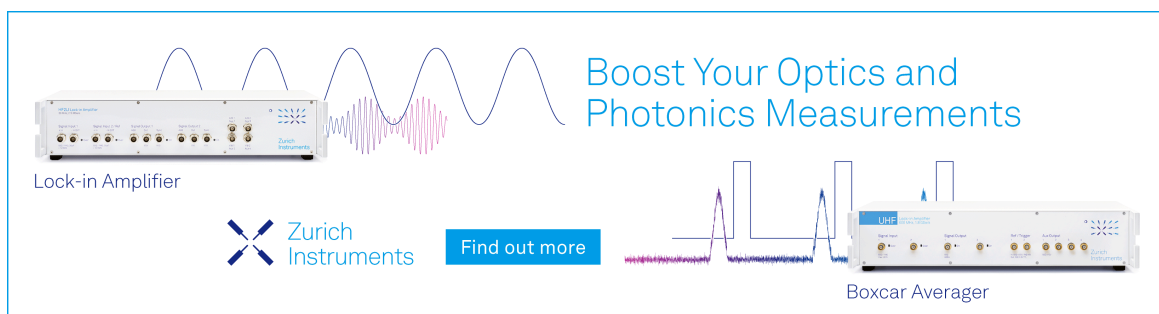


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Cite as: Appl. Phys. Lett. **120**, 229901 (2022); doi: [10.1063/5.0100473](https://doi.org/10.1063/5.0100473)

Submitted: 24 May 2022 · Published Online: 3 June 2022



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<https://doi.org/10.1063/5.0100473>

This article was originally published online on 18 May 2022 with errors throughout. Equations (3) and (4) have been corrected as follows:

$$\varphi_{\text{spiral}} = \text{larctan}\left(\frac{ey}{x}\right), \quad (3)$$

$$\varphi_{\text{axicon}} = -\frac{2\pi NA}{\lambda} \sqrt{x^2 + e^2 y^2}, \quad (4)$$

On page 4, the sentence beginning "The difference..." has been corrected as "The difference is mainly caused by the near-field coupling of adjacent nanopillars with different orientations. Due to the simulation of the unit-cell based on periodic boundary condition, which

assumes a uniform array and without this problem, the simulated efficiency of the unit-cell is higher than the whole metasurface." Also on page 4, the last paragraph, the first sentence has been corrected as "To generate an elliptical PV beam, we set ellipticity  $e$  as 0.7 and use 830 nm incidence in the simulation. Figures 4(d)–4(f) show the simulated intensity profile of the elliptical PV beams at the focal plane ( $z = 14 \mu\text{m}$ ) with  $l = 1, 2, \text{ and } 3$ . On page 6, "Scale bar:  $4 \mu\text{m}$ ." was added to the end of the Fig. 4 caption.

All online versions of this article were corrected on 23 May 2022; the article is correct as it appears in the printed version of the journal. AIP Publishing apologizes for these errors.