

CERTIFICATE of recognition

This certificate is presented to

Yuan Meng, Yizhen Chen, Longhui Lu, Yimin Ding, Andrea Cusana, Jonathan A. Fan, Qiaamu Hu, Kajyuan Wang, Zhenwei Xie, Zhoutian Liu, Yuanmu Yang, Qiang Liu, Mali Gang, Qirang Xiaa, Shulin Sun, Minming Zhang, Xiaacang Yuan & Xingjie Ni

to recognize their paper entitled "Optical meta-waveguides for integrated photonics and beyond" as this December's top downloaded paper, among all papers published by *Light: Science & Applications* in November 2021.

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Tianlin Cas



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