

## **CERTIFICATE** of recognition

This certificate is presented to

Wenye Ji, Jin Chang, Fle-Xiu Xu, Jian Rang Gao, Simon Gröblacher, Fl. Paul Urbach & Aurèle J. L. Adam

to recognize their paper entitled "Recent advances in metasurface design and quantum optics applications with machine learning, physics-informed neural networks, and topology optimization methods" as this August's top downloaded paper, among all papers published by *Light: Science & Applications* in July 2023.

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