

# CERTIFICATE

## of recognition

This certificate is presented to

*Yide Zhang*

for his paper entitled "Single-pulse real-time billion-frames-per-second planar imaging of ultrafast nanoparticle-laser dynamics and temperature in flames" as one of the top downloaded papers of *Light: Science & Applications* in 2023.

*March 1, 2024*

Date

*Xiang Zeng Yun-Feng Xue*

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