

Biographical information:

Yanqi Gao is a Professor for Shanghai Institute of Laser Plasma and leader of the laser team. His main research is the laser driver system and unit technology research for laser driven inertial confinement fusion. In recent years, he leads the team to focus on solving the deterioration of laser plasma instability which is one of the key issues that hinder the ignition of international laser fusion, and proposes the low coherence laser driver route. After years of research, many technological breakthroughs have been made, such as the generation of low-coherence sources, the transmission and amplification of low-coherence pulses, the high-efficiency frequency multiplication of low-coherence pulses, and the beam smoothing of low-coherence pulses. On this basis, the first kilojoule-level low-coherence laser driver device has been built. He has published more than 40 articles on Optics Letters, APL Photonics, MRE and other journals, and the related research results have been reported in several important academic conferences.

