

Title	OPCPA - the next generation of amplified ultra-short pulses
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Abstract	<p>During the last two decades, ultrashort femtosecond laser systems have grown into well-established light sources for various in scientific and industrial applications. These systems offer a unique combination of very high peak powers from Megawatt to even Petawatt with ultrashort pulse duration in the range of 30 fs (1 fs = 10^{-15} s). The applications for these sources are similarly pervasive and include cutting and welding; eye surgery; micro-machining; bio-imaging and basic research in pump-probe spectroscopy and light matter interaction.</p>
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