

AgGaGe₅Se₁₂ crystals

AgGaGe₅Se₁₂ is a promising new nonlinear optical crystal for frequency-shifting 1μm solid state lasers into the mid-infrared (2-12μm) spectral range.

Because of its higher damage threshold, larger birefringence and bandgap, and greater variety of phase-matching schemes, AgGaGe₅Se₁₂ could become an alternative to AgGaS₂ and AgGaSe₂, more widely used in high-power and specific applications.

