

**Table 1** Nonlinear optical properties of  $\text{ErMn}_{1-x}\text{Cr}_x\text{O}_3$  for input laser pulse energy of 90  $\mu\text{J}$  at 532

Cr concentration	$\beta$ ( $\times 10^{-11}$ )(m/W)	$I_s$ ( $\times 10^{11}$ )(W/m <sup>2</sup> )	Optical limiting threshold ( $\times 10^{12}$ ) (W/m <sup>2</sup> )
x=0.05	0.9	2.9	1.9
x=0.05	1.3	2.8	1.4
x=0.15	1.4	1.6	1.3

nm wavelength