

Supplementary Information

An effective strategy to achieve deeper coherent light for

LiB_3O_5

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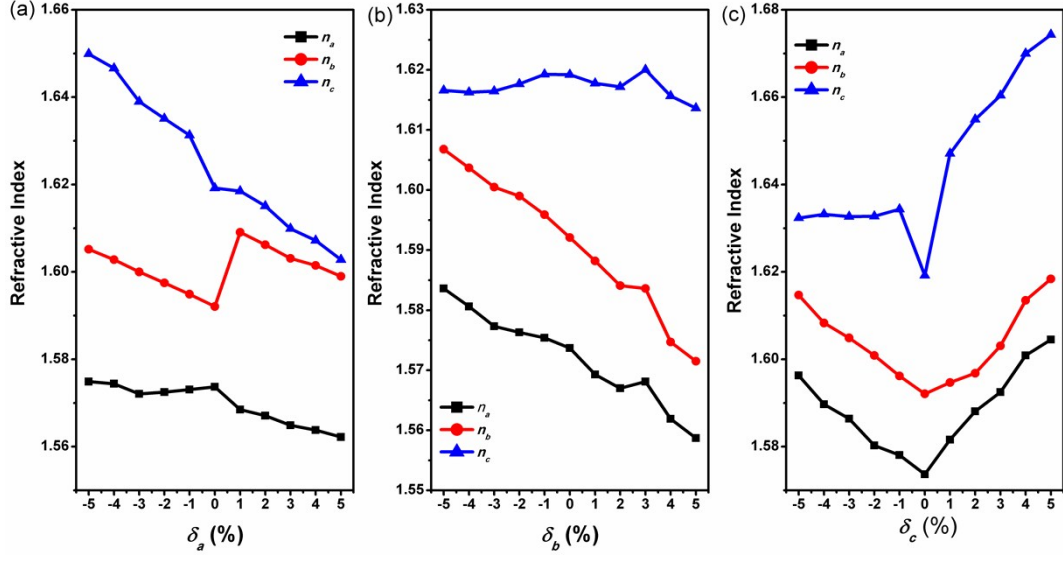


Fig. S1. Refractive index of LBO at 1064 nm as a function of strain along a -axis (a), b -axis (b), c -axis (c).

Table S1 Polarizability anisotropy (a.u.) with strains along a -, b - and c -axis using B3LYP/6-311+G(d) level of theory.

	a -axis	b -axis	c -axis
-5%	141.65	91.86	109.84
-3%	131.32	96.22	114.07
-1%	107.68	99.01	122.76
1%	97.89	106.64	139.88
3%	95.24	113.33	150.62
5%	92.58	126.19	178.10