

Supporting information

Thermo-physical properties of nonlinear optical crystal

$K_3B_6O_{10}Br$

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Table S1. Principle refractive indices of KBB crystal at different temperatures.

$\lambda/\mu\text{m}$	T/ °C	n_o	n_e	n_o-n_e
0.2537	40	1.67178	1.61602	0.05576
	70	1.67164	1.61619	0.05545
	100	1.67146	1.61630	0.05516
	130	1.67134	1.61645	0.05489
	160	1.67119	1.61663	0.05456
0.3630	40	1.61464	1.56457	0.05007
	70	1.61428	1.56447	0.04981
	100	1.61398	1.56439	0.04959
	130	1.61369	1.56434	0.04935
	160	1.61345	1.56431	0.04914
0.4047	40	1.60633	1.55718	0.04915
	70	1.60600	1.55707	0.04893
	100	1.60570	1.55698	0.04872
	130	1.60539	1.55691	0.04848
	160	1.60504	1.55684	0.04820
0.4358	40	1.60149	1.55286	0.04863
	70	1.60115	1.55274	0.04841

	100	1.60085	1.55263	0.04822
	130	1.60048	1.55258	0.04790
	160	1.60024	1.55247	0.04777
0.4800	40	1.59635	1.54822	0.04813
	70	1.59594	1.54810	0.04784
	100	1.59562	1.54798	0.04764
	130	1.59530	1.54789	0.04741
	160	1.59499	1.54780	0.04719
0.5461	40	1.59080	1.54335	0.04745
	70	1.59046	1.54320	0.04726
	100	1.59007	1.54307	0.04700
	130	1.58972	1.54288	0.04684
	160	1.58953	1.54287	0.04666
0.5875	40	1.58831	1.54116	0.04715
	70	1.58790	1.54094	0.04696
	100	1.58757	1.54083	0.04674
	130	1.58726	1.54072	0.04654
	160	1.58692	1.54064	0.04628
0.6438	40	1.58558	1.53875	0.04683
	70	1.58516	1.53854	0.04662
	100	1.58482	1.53841	0.04641
	130	1.58452	1.53829	0.04623
	160	1.58418	1.53820	0.04598
0.7065	40	1.58320	1.53667	0.04653
	70	1.58280	1.53646	0.04634
	100	1.58244	1.53633	0.04611
	130	1.58215	1.53622	0.04593
	160	1.58179	1.53612	0.04567
2.325	40	1.55593	1.51544	0.04049
	70	1.55552	1.51536	0.04016
	100	1.55517	1.5152	0.03997
	130	1.55483	1.51511	0.03972
	160	1.55453	1.51493	0.03960
