

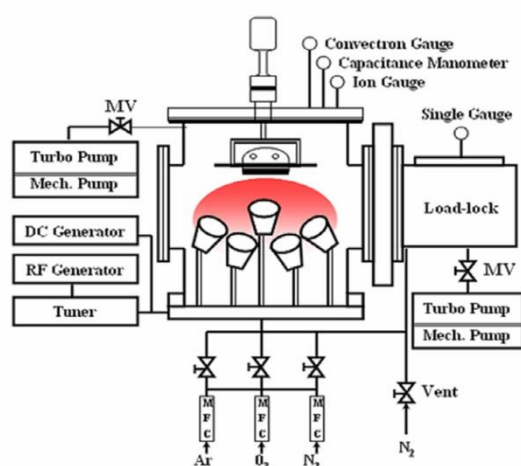
Supplementary Materials: Visible-Light-Responsive Antibacterial Property of Boron-Doped Titania Films

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Target	TiB ₂	DC 120W
	Ti(x2)	DC 200W
Working Pressure	3 mTorr	
Gas flow	O ₂	6, 8 sccm
	Ar	20 sccm
Sub. T (°C)	100	
Sub. Rot.	5 rpm	
Thickness(nm)	pure TiO ₂ 122,	
	B-TiO ₂ 117, 155, 250, 306, 313, 405, 484	
RTA	600°C, Air annealing 1hr	

Figure S1. Experimental settings. Parameters and experimental settings on the synthesis of TiO₂(B) thin films are showed.

Table S1. XPS-composition analysis.

	Sample (nm)	Ti (%)	B (%)	O (%)
As	117	22.92	3.51	73.57
	155	22.85	3.77	73.38
	250	22.45	3.72	73.84
	306	22.18	3.9	73.93
	313	25.96	1.06	72.98
	405	25.17	2.93	71.9
	484	24.92	2.61	72.47
Air	117	27.62	0.25	72.13
	155	27.75	0.22	72.02
	250	27.83	0.14	72.03
	306	28.01	0.24	71.75
	313	29.13	0.47	70.39
	405	29.09	0.07	70.84
	484	29.01	0.22	70.76