

**S1 Table. Shoot fresh biomass**

NPs Concentration (mg/L)	CK		10		100		1000	
	Mean $\pm$ SD	95%	Mean $\pm$ SD	95%	Mean $\pm$ SD	95%	Mean $\pm$ SD	95%
		Confidence Interval for Mean		Confidence Interval for Mean		Confidence Interval for Mean		Confidence Interval for Mean
Super-elevated CO <sub>2</sub> /g	0.1504 $\pm$ 0.0467a	0.1208-0.1801	0.1426 $\pm$ 0.0281a	0.1248-0.1604	0.1077 $\pm$ 0.0391b	0.0829-0.1326	0.1072 $\pm$ 0.0272b	0.0900-0.1245
Normal CO <sub>2</sub> /g	0.1137 $\pm$ 0.0255a*	0.0941-0.1333	0.1270 $\pm$ 0.0292a	0.1046-0.1495	0.1145 $\pm$ 0.0164a	0.1019-0.1272	0.1127 $\pm$ 0.0167a	0.0998-0.1256

Values are mean  $\pm$  SD (n $\geq$ 3). Letters represent significant difference (p<0.05) among TiO<sub>2</sub> NPs treatments under the same growth conditions; \* represents significant difference (p<0.05) between super-elevated CO<sub>2</sub> and normal CO<sub>2</sub> conditions at each TiO<sub>2</sub> NPs concentration