Uptake and distribution of ceria nanoparticles in cucumber plants

Zhiyong Zhang, Xiao He, Haifeng Zhang, Yuhui Ma, Peng Zhang, Yayun Ding, and Yuliang Zhao

Key Laboratory of Nuclear Analytical Techniques, and CAS Key Lab for Biomedical Effects of Nanomaterials and Nanosafety, Institute of High Energy Physics, Chinese Academy of Sciences, Beijing 100049, China

* Address correspondence to zhangzhy@ihep.ac.cn
**Figure ESI1** XRD patterns of 7 nm and 25 nm ceria particles

![XRD patterns of 7 nm and 25 nm ceria particles](image)

**Figure ESI2.** Autoradiographs of $^{141}\text{Ce}^{3+}$ in cucumber leaves. Cucumber seedlings were treated with 116 µmol/L $^{141}\text{Ce(NO}_3\text{)}_3$ for 14 d. Autoradiography was performed by the method described in the main text.

![Autoradiographs of $^{141}\text{Ce}^{3+}$ in cucumber leaves](image)