
硅量子点(蓝色)

Silicon quantum dots (blue)

1 技术参数(Properties)

名称	Product name	硅量子点(蓝色) Silicon quantum dots (blue)
外观	Appearance	淡黄色粉末 Light yellow powder
尺寸	Size	2-10 nm (HRTEM)

2 表征测试图 (Characterizations)

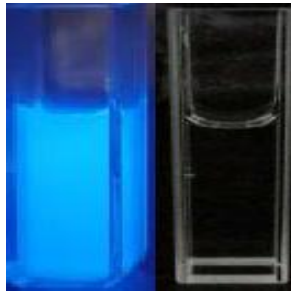


图 1 硅量子点水溶液(1mg/ml)在 365 nm 紫外灯下的照片 (左) 和粉末的照片 (右)

Fig.1 Photo of Silicon quantum dots solution(1mg/ml) under 365 nm UV lamp (left) and powder (right) (1mg/ml)

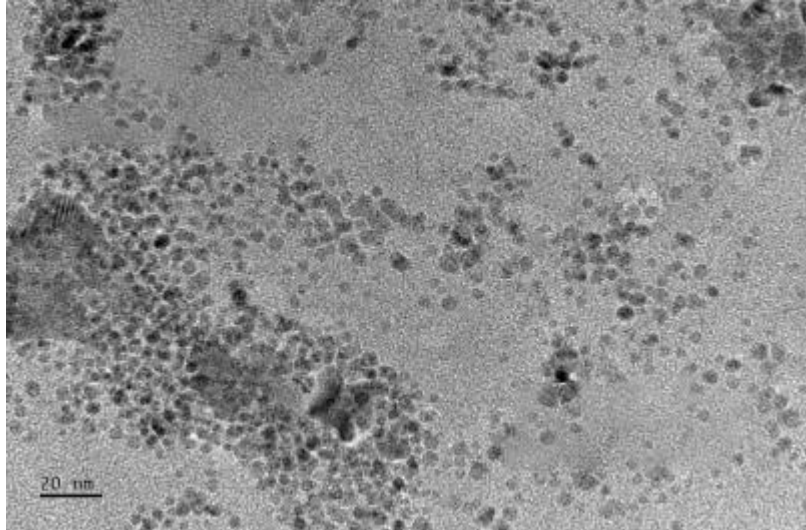


图 2

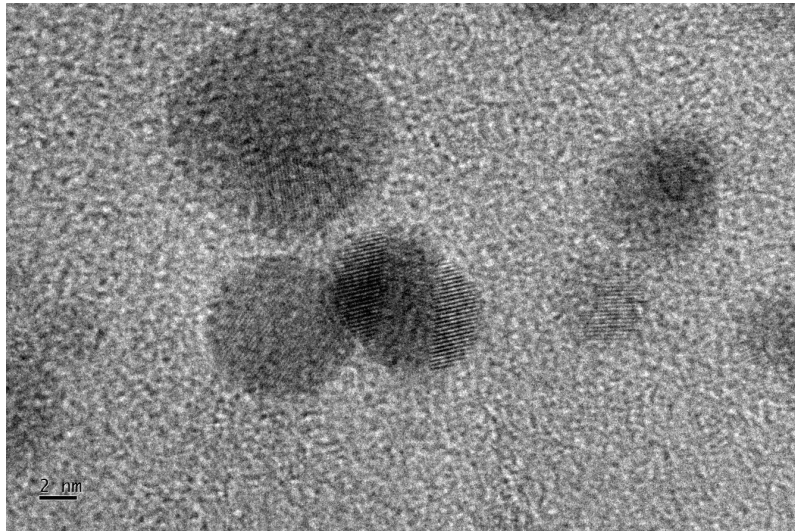


图 3

图 2,3 硅量子点 HRTEM 图

Fig.2,3 HRTEM graphs of Silicon quantum dots

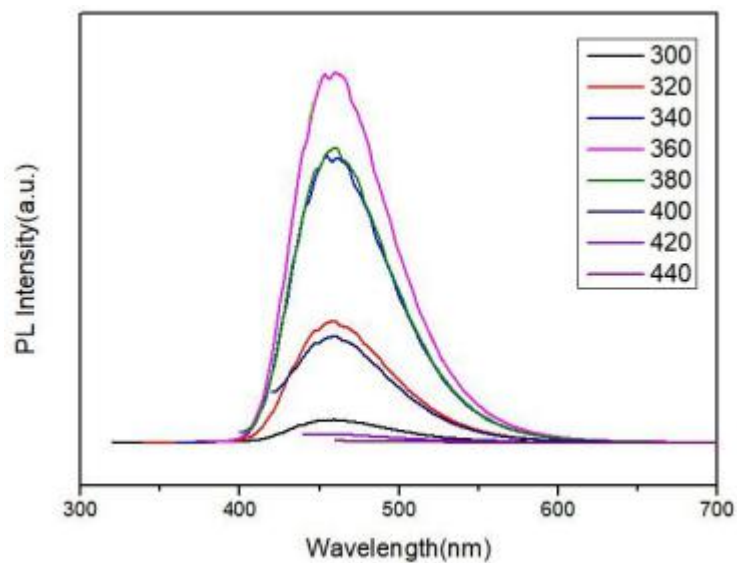


图 4

图 4 硅量子点水溶液(1mg/ml)的 PL 谱图

Fig.4 PL spectrum of Silicon quantum dots solution (1mg/ml)

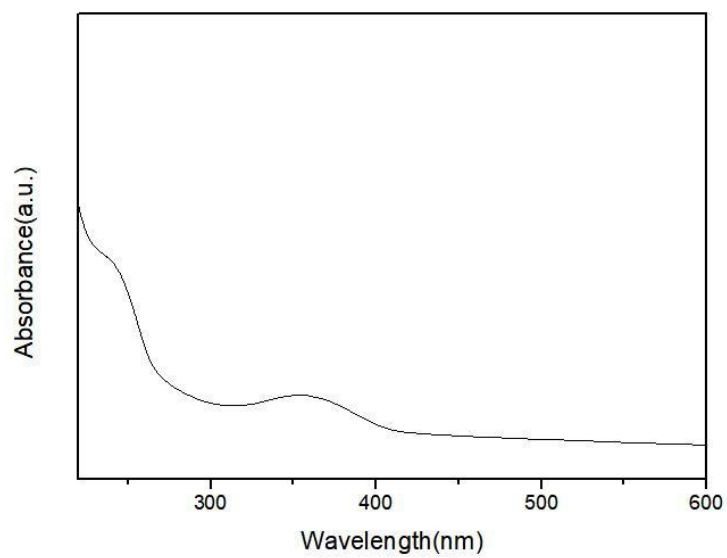


图 5 硅量子点水溶液(1mg/ml)的吸收光谱

Fig.5 Absorption spectrum of Silicon quantum dots solution(1mg/ml)

3 应用领域 (Application Fields)

荧光检测、荧光成像、载药、荧光墨水、生物制药、太阳能电池等。

Fluorescence detection, fluorescence imaging, medicine carrying, fluorescent ink, biopharmacy, solar cell etc.

4 保存条件 (Storage Conditions)

4°C冷藏避光保存，最长保存期限 3 个月。

Sealed, avoid light, and keep at 4°C. Expiry date: Three months.
