

## Supporting Information

### Polyhedral oligomeric silsesquioxane (POSS)-carbon/silicon quantum dots nanocomposites for cell imaging

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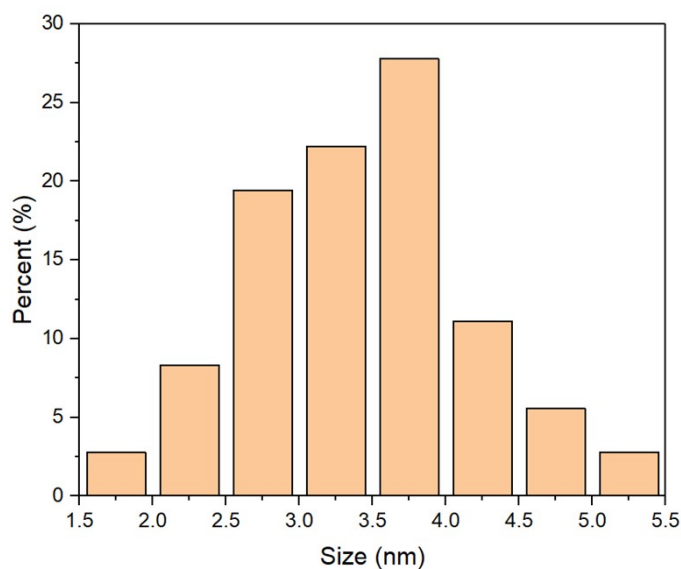


Figure S1 The size distribution of silicon nanodots

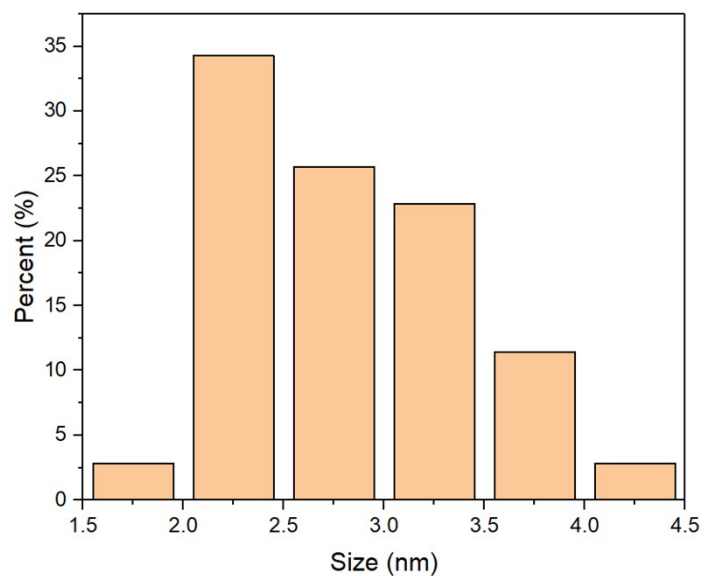


Figure S2 The size distribution of green-emitting carbon nanodots

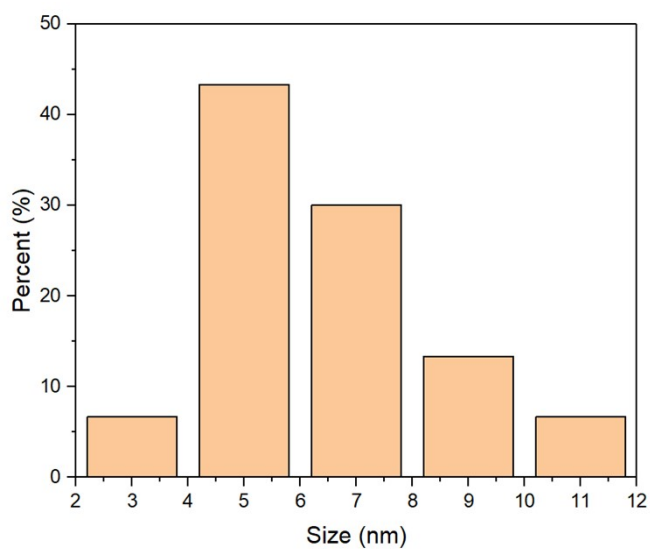


Figure S3 The size distribution of red-emitting carbon nanodots

Table S1. The PLQY of QDs and POSS-QDs.

	SiQDs	G-CQDs	R-CQDs
PLQY	28.6%	37.5%	34.7%
	POSS-SiQDs	POSS-G-CQDs	POSS-R-CQDs
PLQY	35.2%	42.9%	40.1%

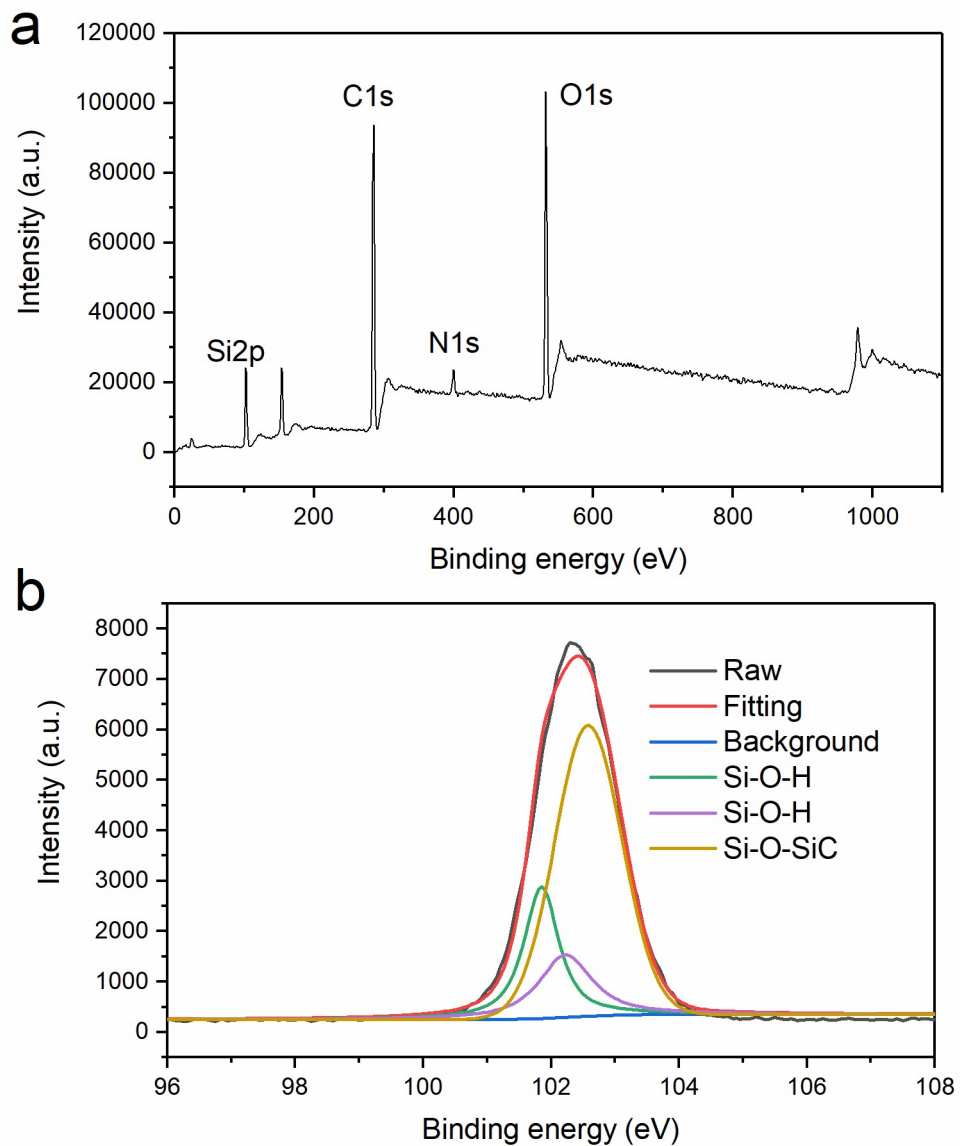


Figure S4 Survey XPS spectrum of POSS-Si NDs and the high resolution XPS peaks of Si 2p

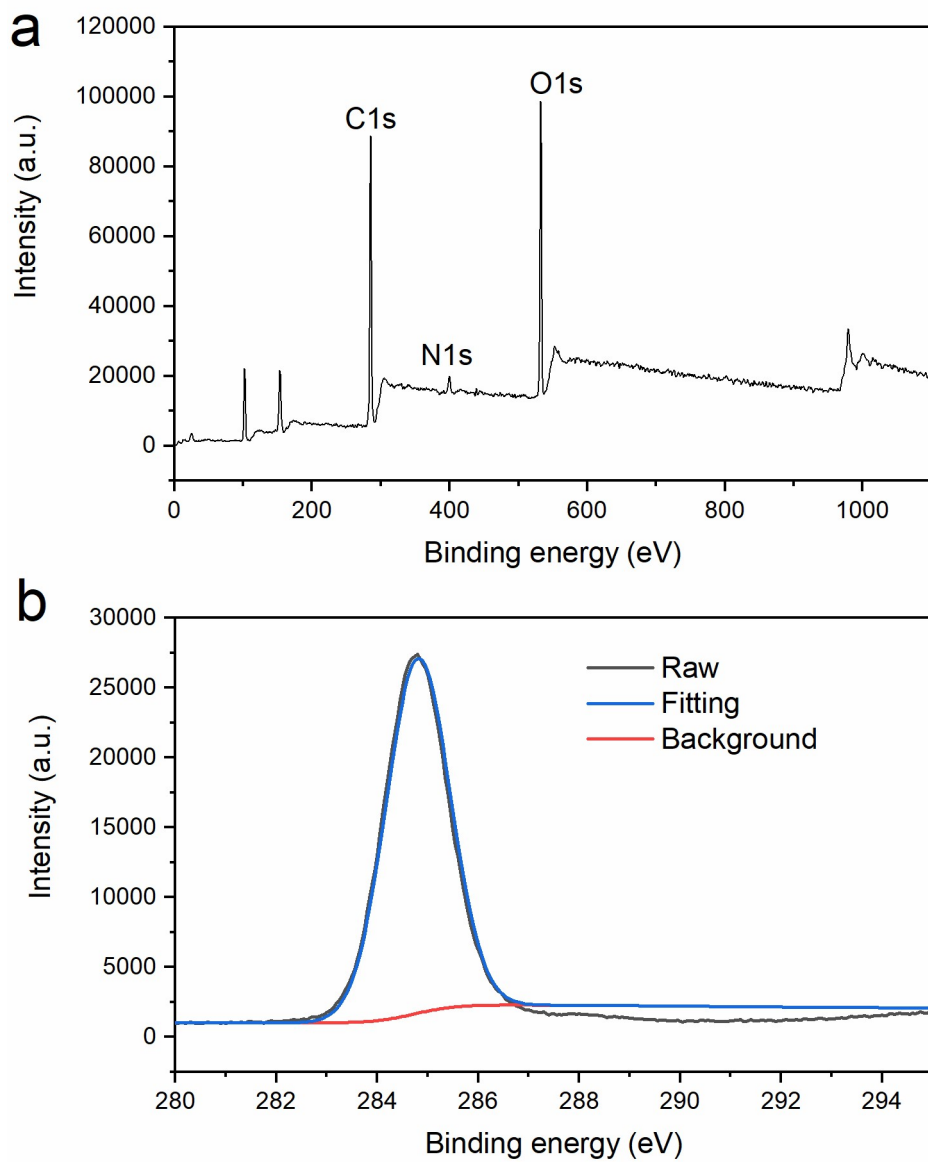


Figure S5 Survey XPS spectrum of POSS-G-CQDs and the high resolution XPS peaks of C 1s.

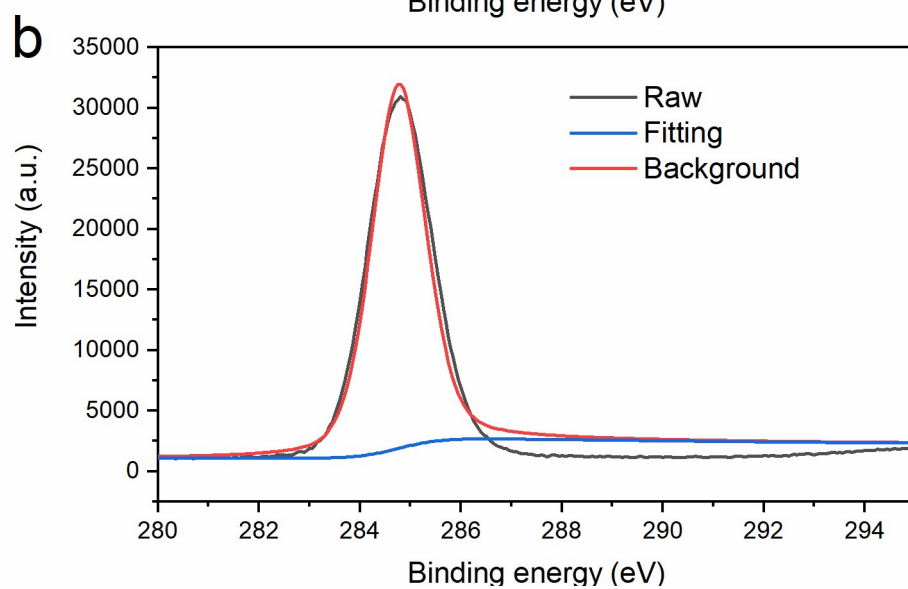
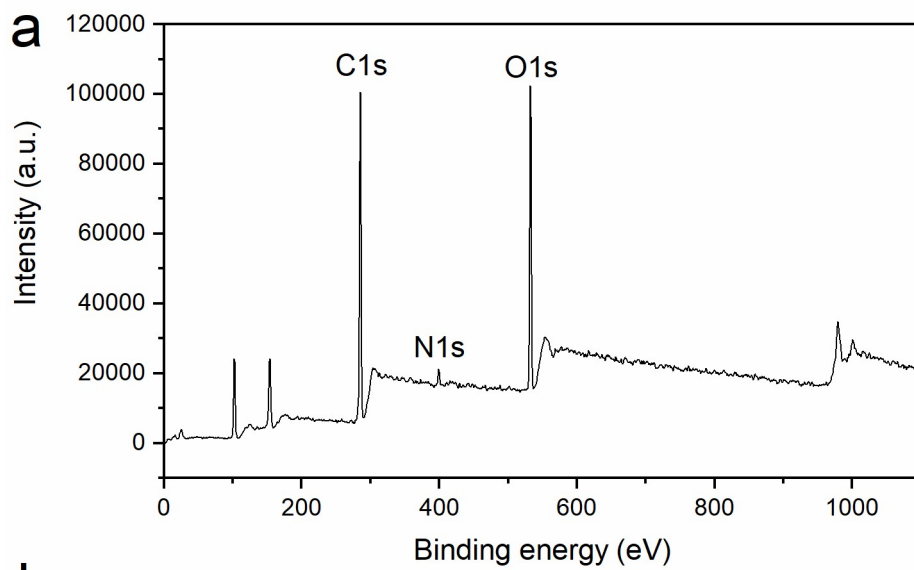


Figure S6 Survey XPS spectrum of POSS-R-CQDs and the high resolution XPS peaks of C 1s.