

**Supporting Information for**

# **Fluorescence Resonance Energy Transfer Properties and Auger Recombination Suppression in Supraparticles Self-Assembled from Colloidal Quantum Dots**

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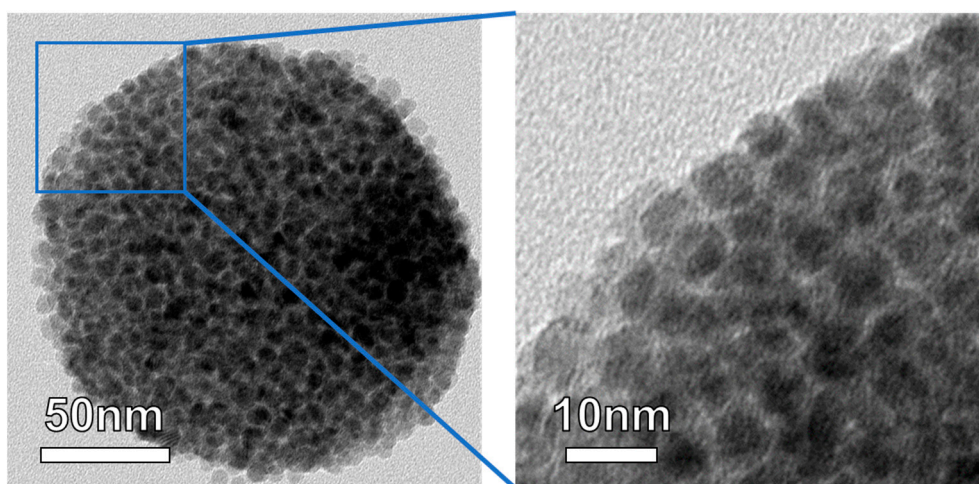
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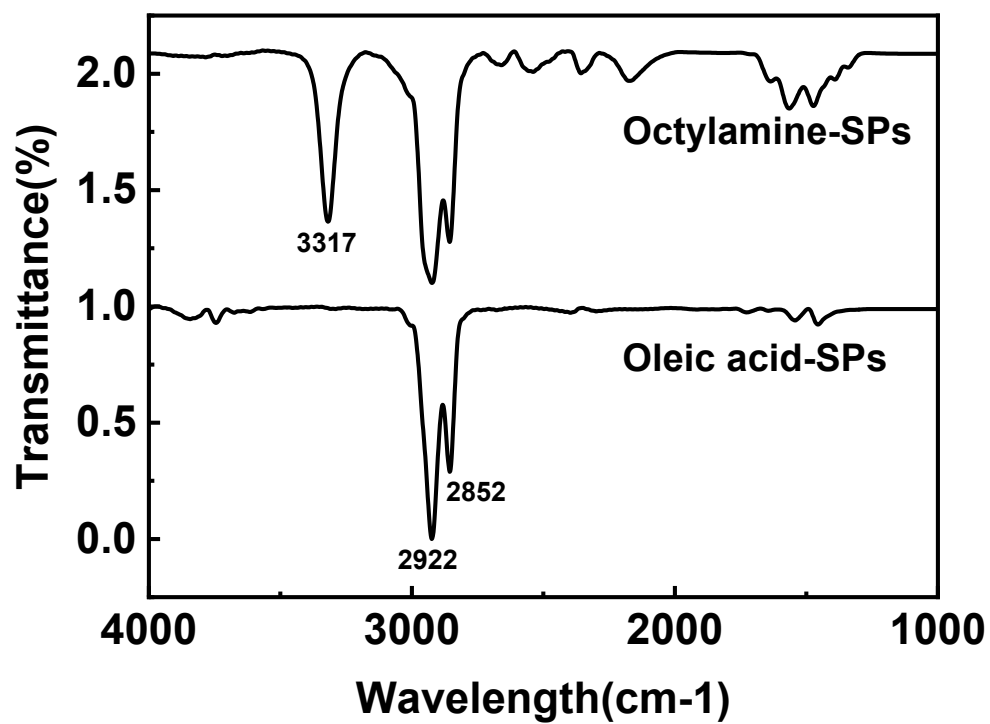
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**Figure S1.** High resolution transmission electron microscopy image of SPs.



**Figure S2.** Fourier transform infrared spectroscopy spectra of OctA-SPs and OA-SPs.

**Table S1** Life decay curve fitting parameters at different wavelengths of 595-620 nm

Wavelength(nm)	A <sub>1</sub> (%)	$\tau_1$ (ps)	A <sub>2</sub> (%)	$\tau_2$ (ps)
595	58.891	52.49663	38.854	308.6004
600	52.399	53.41224	44.405	301.9325
605	45.166	54.65532	50.797	301.9542
610	39.077	57.93251	55.774	315.5416
615	34.66	61.97879	59.648	330.6701
620	33.457	64.7552	61.16	355.4469