Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

Supporting Information

of

Fluorescent Ag nanoclusters prepared in aqueous Poly(acrylic acid-*co*-maleic acid) solutions : A spectroscopic study of its excited state dynamics and local environment

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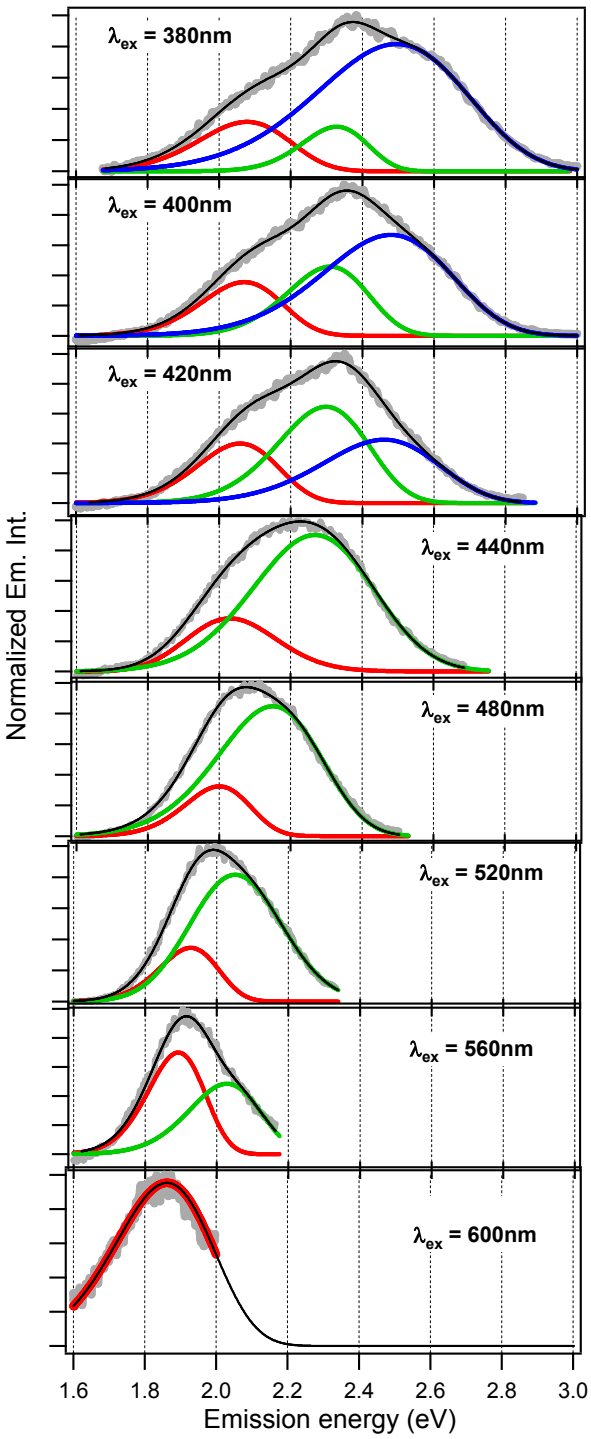

Fig.S1: Steady-state emission spectra of Set-2 plotted as a function of emission energy for various excitation energies, as indicated. The red, green and blue curves represent the emissive components obtained by applying lognormal deconvolution in each case.

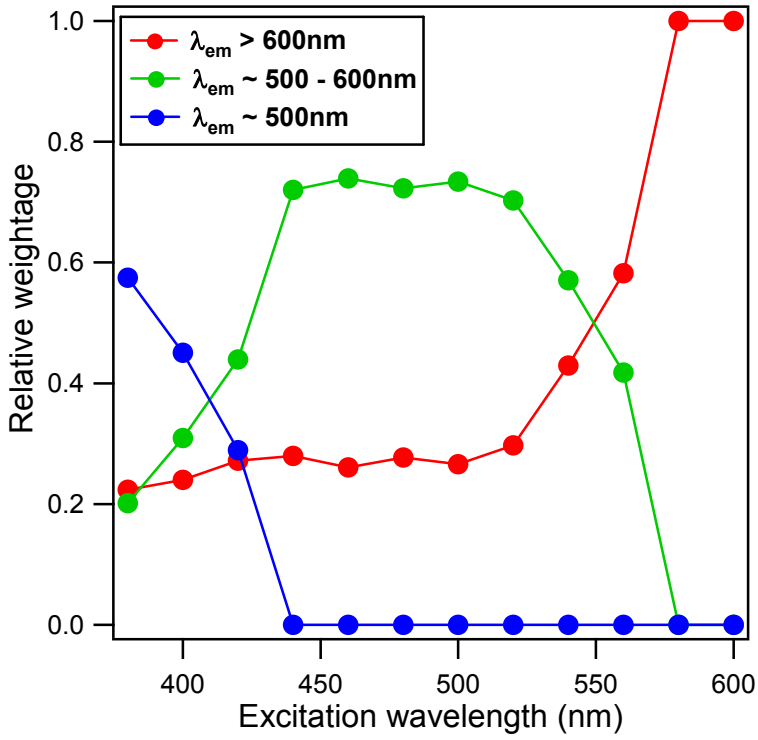

Fig.S2: Relative weightage of different emissive components as a function of the excitation wavelength.

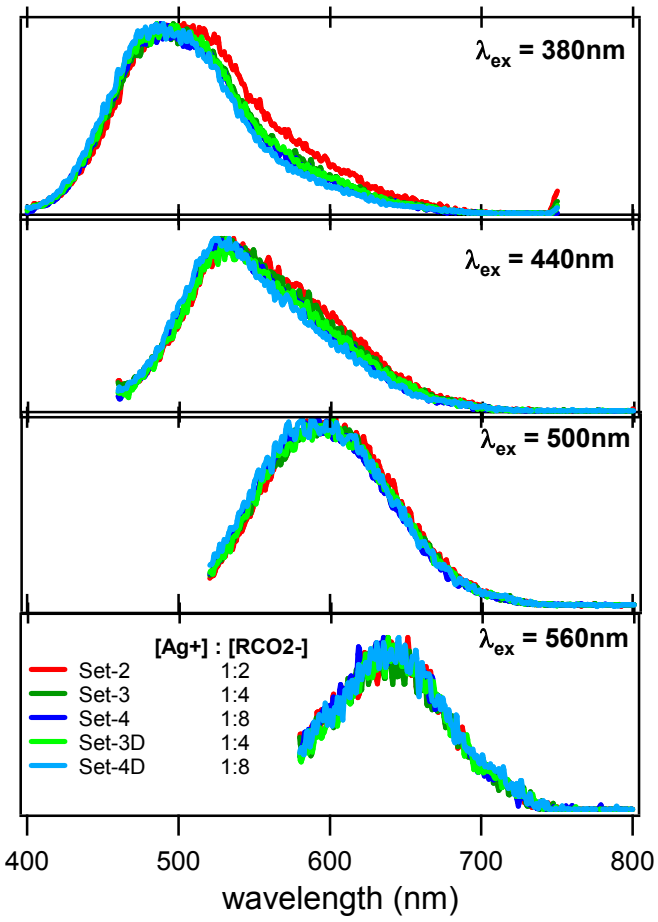

Fig.S3: Steady-state mormalized fluorescence emission and excitation spectra of Ag/Poly(AA-co-malA) nanocluster solutions with $[Ag^+] = 0.04$ M but $[Ag^+] : [RCO_2^-]$ ratio varying as 1:2, 1:4 and 1:8 spectra, at some selected excitation and emission wavelengths.

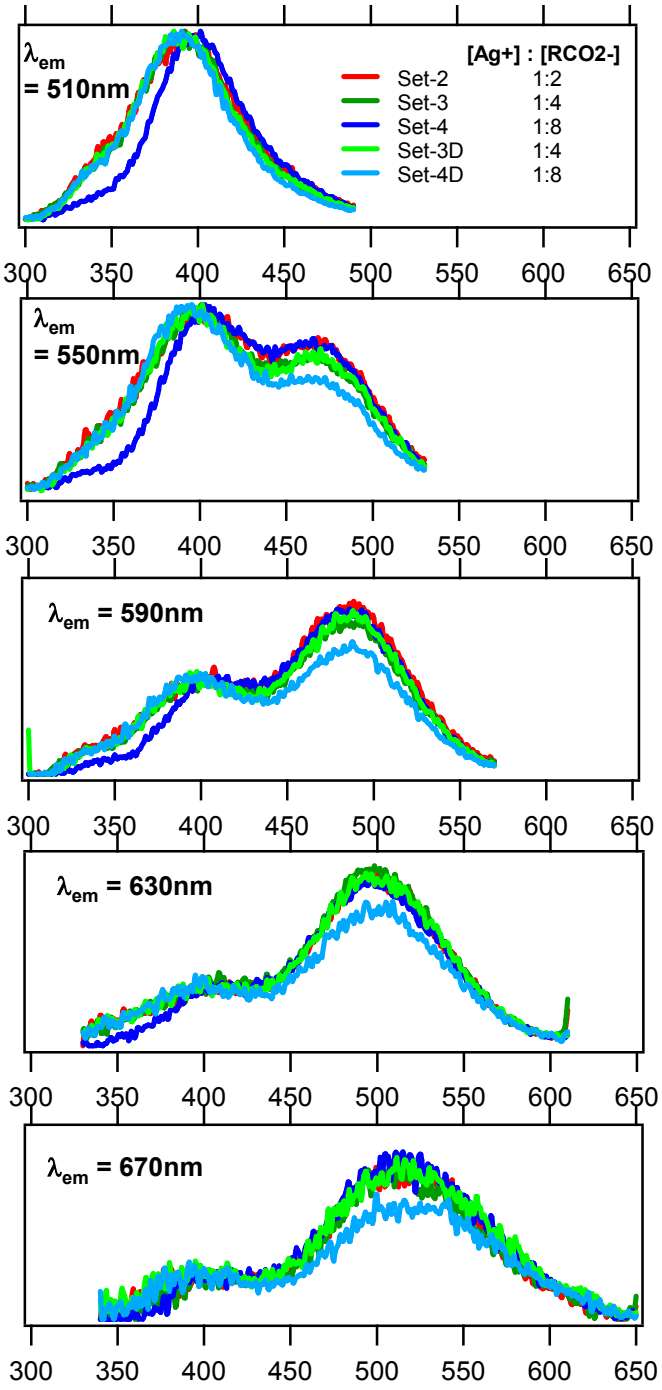

Fig.S4: Steady-state normalized fluorescence excitation spectra of Ag/Poly(AA-co-malA) nanocluster solutions with $[Ag^+] = 0.04$ M but $[Ag^+] : [RCO_2^-]$ ratio varying as 1:2, 1:4 and 1:8 spectra, at some selected emission wavelengths.