

Supporting Information

Platinum Nanoparticles Functionalized with Ethynylphenylboronic Acid Derivatives:

Selective Manipulation of Nanoparticle Photoluminescence by Fluoride Ions

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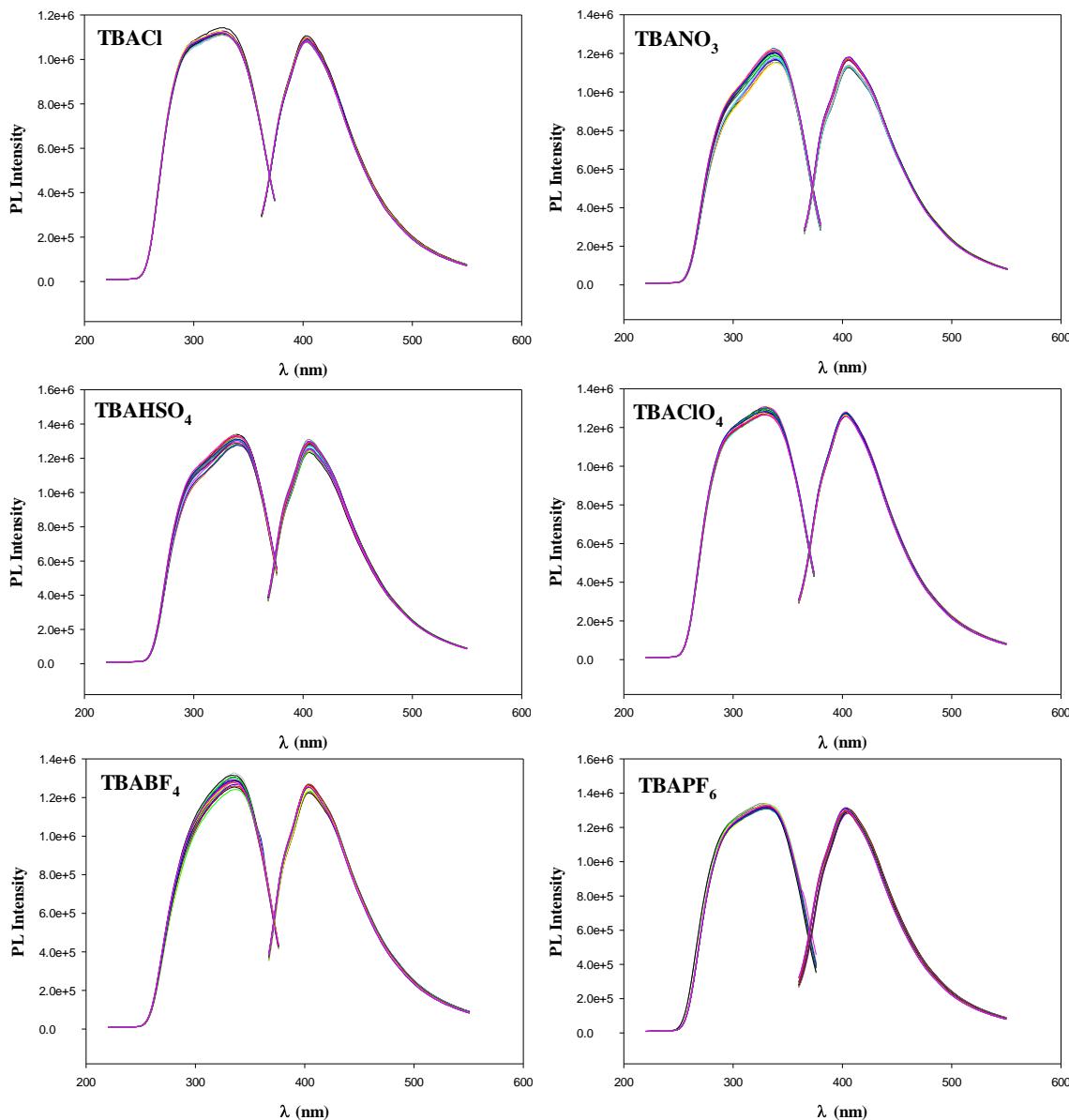


Figure S1. Excitation and emission spectra of Pt-EPBAPE nanoparticles in the presence of different tetrabutylammonium salts with concentrations up to 0.67 mM. Initial concentration of the nanoparticles was 0.01 mg/mL in DMF.

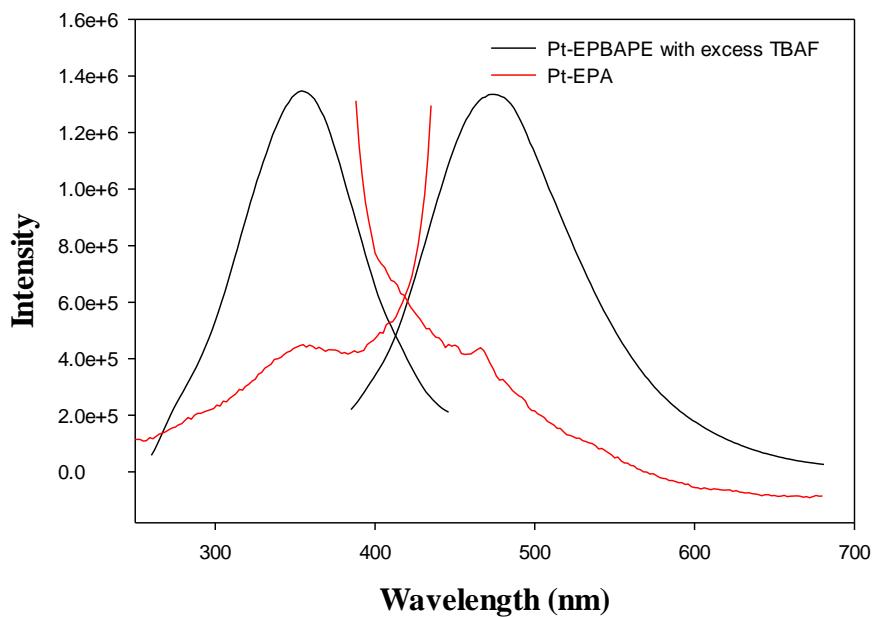


Figure S2. Excitation and emission spectra of Pt-EPBAPE nanoparticles with the addition of a large excess of TBAP, along with those of Pt-EPA nanoparticles in DMF. The excitation and emission peaks can both be identified at 355 nm and 467 nm, respectively. The synthesis of the Pt-EPA nanoparticles has been described in detail in reference 24.