

Supporting Information

Figure S1. SEM micrographs of $\text{SrAl}_2\text{O}_4: \text{Eu}^{2+}, \text{Dy}^{3+}$ (SAOED) phosphors before and after coated modification: (a) native SAOED phosphors; (b) SiO_2 coated SAOED ($\text{SiO}_2@\text{SAOED}$); (c) APTMS coated $\text{SiO}_2@\text{SAOED}$ phosphors ($\text{NH}_2@\text{SiO}_2@\text{SAOED}$).

