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Effect of MgO shell on electron transfer from Cu doped ZnInS quantum dots to FePt nanoparticles

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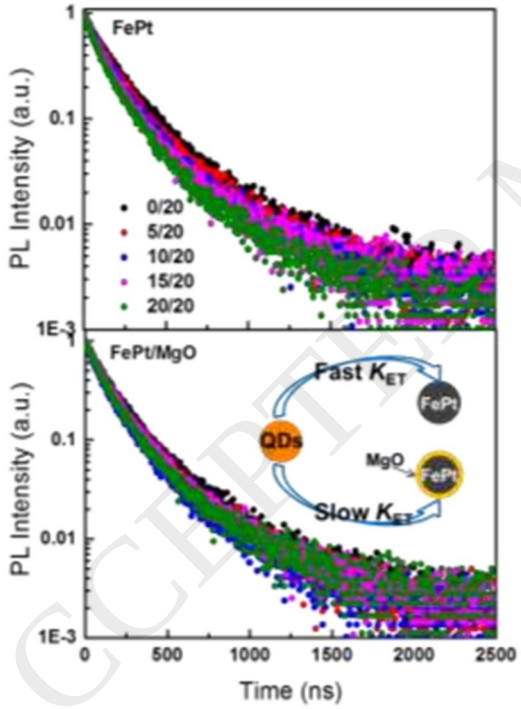
Graphical abstract



The formation of interfacial MgO barriers could efficiently restrain the electron transfer at Cu doped ZnInS QD-FePt NP interface.