

## Supporting Information:

### Improving luminescence performance of quantum dots-based on photonic crystals for white-light-emission

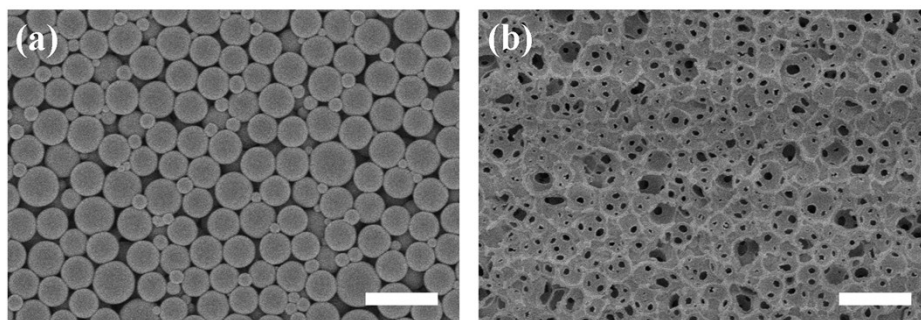
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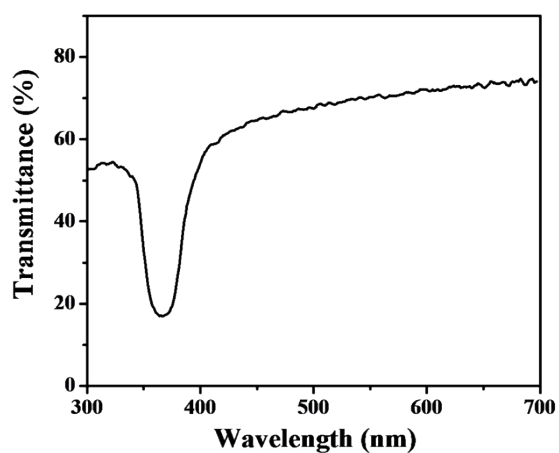
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**Figure S1** SEM images of nonperiodic SiO<sub>2</sub> latex template and the corresponding porous nonperiodic SiO<sub>2</sub> materials. Scale bar =1  $\mu\text{m}$ .



**Figure S2** The transmittance spectra for PC film of SiO<sub>2</sub> inverse opals. The transmittance of PC film is about 70% in the visible spectral range.