

Beta-Lead Oxide Quantum Dots (β -PbO QDs)/Polystyrene (PS) Composite Film and Its Applications in Ultrafast Photonics

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For comparison, β -PbO QDs after being stored in NMP for one month was added in Fig. I1. It can be clearly shown that β -PbO QDs have excellent stability no matter where they are kept in solvents such as NMP, or in solid states such as β -PbO QDs/PS composite film, indicating that its great potential in practical applications. In addition, it should be noted that the enhanced absorbance for β -PbO QDs/PS composite film in Fig. I1 is mainly attributed to the higher concentration of β -PbO QDs in its composite film than that in the NMP suspension.”

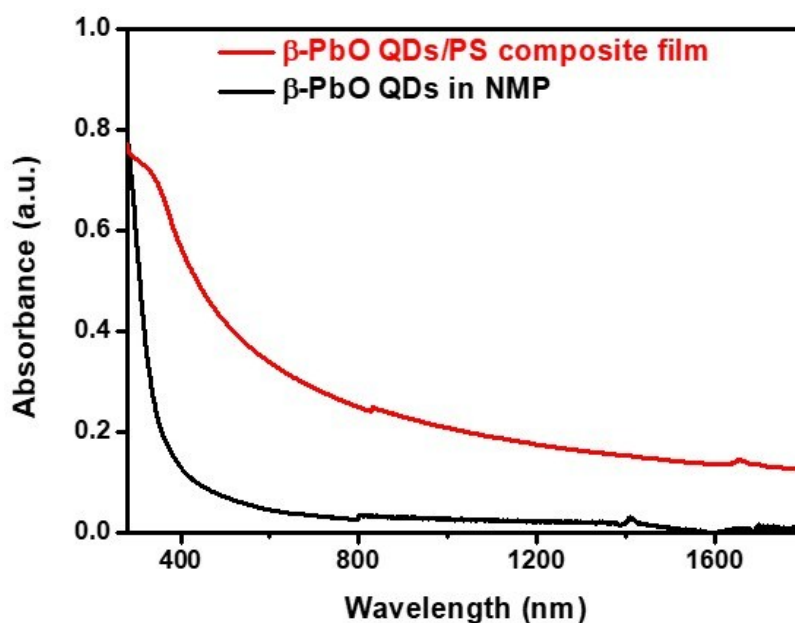


Fig. I1. UV-Vis-NIR absorption spectrum of β -PbO QDs/PS composite film.