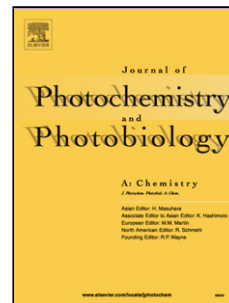


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Optical Properties of Gold Nanoparticles Decorated with Furan-based Diarylethene Photochromic Molecules

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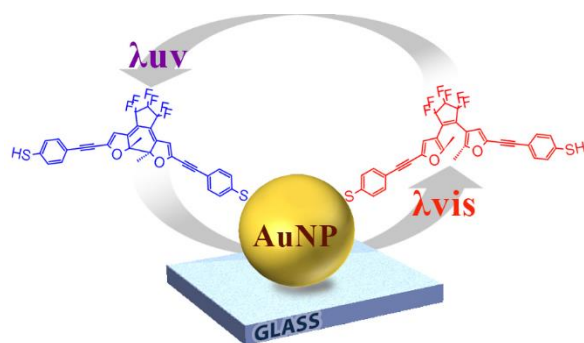
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Graphical Abstract



<InlineImage1>

HIGHLIGHTS

- OPTICAL PROPERTIES OF GOLD NANOPARTICLES DECORATED WITH FURAN-BASED DIARYLETHENE PHOTOCHROMIC
- *S.V. Snegir^{1,2*}, A.A. Khodko³, D. Sysoiev⁴, E. Lacaze², O.Pluchery², T. Huhn⁴*
- A reversible triggering of furan-based diarylethene molecules chemically attached on gold nanoparticles surface is studied
- A reversible blue shift of local surface plasmon resonance of gold nanoparticles decorated with diarylethene molecules is observed.

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