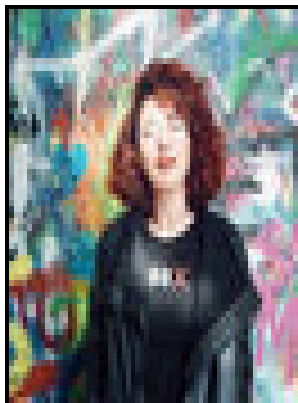


Resonance Raman spectroscopic study of some naphthylazo dyes.

University of Salford - A RAMAN



Description: -

-Resonance Raman spectroscopic study of some naphthylazo dyes.

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Notes: MSc thesis, Chemistry.

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A Raman spectroscopic study of photochromic benzothiazolium dyes

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[PDF] Resonance Raman Study of New Pyrrole

The Journal of Physical Chemistry A 2019, 123 28 , 5957-5968.

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Summers and Grace A Lowe and Jean-François Lefebvre and Simbarashe Ngwerume and M. Officer, Pawel Wagner, Keith C.

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The Supporting Information is available free of charge on the at DOI:. In: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, Vol. Fluorescent dyes for moisture detection in organic solvents: Push-pull based phenothiazine aldehydes with large Stokes shifts.

Walking the Emission Tightrope: Spectral and Computational Analysis of Some Dual

Bands arising from both cis- and trans-isomers have been distinguished by comparing the spectra observed at different resonances and under different sample conditions.

A Raman spectroscopic study of photochromic benzothiazolium dyes

Inorganic Chemistry 2019, 58 15 , 9785-9795. The changes in vibrational frequencies have been correlated with changes in the UV—vis absorption maxima observed previously and which are due to solvent polarity variations, the complexation of the dye molecules containing a crown ether ring with Mg 2+, and the variations in molecular structure.

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Preliminary assignments of the bands have been made, allowing insight into the changes in structure and bonding which occur on photoisomerization. Journal of Photochemistry and Photobiology A: Chemistry 2020, 402 , 112804.

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