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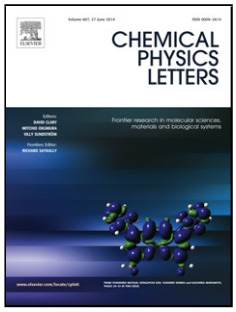

Title: Second- and third-order nonlinear optical properties of unsubstituted and mono substituted chalcones

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The values of the 1st hyperpolarizability of the chalcones molecules were of the same order of the PNA

It was determined the two-photon cross section absorption spectra to two chalcones molecules

Theoretical calculations yielded transition properties in accordance with the experimental results

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