



## Two-Photon absorption cross-section measurement by thermal lens and nonlinear transmission methods in organic materials at 532 nm and 1064 nm laser excitations

Submitted by Emmanuel Lemoine on Wed, 10/29/2014 - 11:48

Titre	Two-Photon absorption cross-section measurement by thermal lens and nonlinear transmission methods in organic materials at 532 nm and 1064 nm laser excitations
Type de publication	Article de revue
Auteur	Taouri, A. [1], Derbal-Habak, Hassina [2], Nunzi, Jean-Michel [3], Mountasser, R. [4], Sylla, Mamadou [5]
Editeur	INOE Publishing House
Type	Article scientifique dans une revue à comité de lecture
Année	2009
Langue	Anglais
Date	2009
Numéro	11
Pagination	1696 - 1703
Volume	11
Titre de la revue	Journal of optoelectronics and advanced materials
ISSN	1454-4164
Résumé en anglais	Experimental results concerning two-photon absorption (TPA) cross-section measurement using nonlinear transmission (NLT) method and a new pump-probe mode-mismatched thermal lens (TL) scheme, in picosecond regime are reported. Both methods are used in a prospect of comparison. Values of the TPA coefficient and cross-section in three common solvents (Chloroform, Benzene and Nitrobenzene) and new synthesized perylenediimide derivatives (PDI) at 532nm and 1064nm wavelengths are given.
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua5225">http://okina.univ-angers.fr/publications/ua5225</a> [6]

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