

Azo-azulene based compounds-nonlinear optical and photorefractive properties

Submitted by Emmanuel Lemoine on Mon, 06/02/2014 - 18:19

Titre	Azo-azulene based compounds-nonlinear optical and photorefractive properties
Type de publication	Communication
Type	Communication avec actes dans un congr�s
Ann�e	2011
Langue	Anglais
Titre du colloque	First Polish - French Workshop on Organic Electronics and Nanophotonics (WOREN 2010)
Titre des actes ou de la revue	Optical Materials
Num�ro	9
Volume	33
Pagination	1387-1390
Auteur	Essaidi, Zacaria [1], Niziol, Jacek [2], Sahraoui, Bouchta [3]
ISBN	0925-3467
Mots-cl�s	Azo-azulene derivatives [4], chromophores [5], functionalized polymers [6], hyperpolarizabilities [7], Nonlinear optics [8], photoaddressable polymers [9], photoinduced surface gratings [10], thin-films [11]
R�sum� en anglais	This work reports on nonlinear optical properties of some azo-functionalized azulene derivatives. Linear and nonlinear optical absorption, second- and third harmonic generation were used as diagnostic tools. It was demonstrated that light induced a surface pattern on thin films containing the studied compounds. The results indicate an important role of thiazole substitution for enhancing NLO properties of the azulene derivatives.
Notes	Date du colloque : 07/2011
URL de la notice	http://okina.univ-angers.fr/publications/ua3125 [12]
DOI	10.1016/j.optmat.2011.02.039 [13]

Liens

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[13] <http://dx.doi.org/10.1016/j.optmat.2011.02.039>

Publié sur *Okina* (<http://okina.univ-angers.fr>)