



## Third order NLO properties of modified azo-azulenes

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Auteur	Niziol, Jacek [1], Essaidi, Zacaria [2], Sahraoui, Bouchta [3]
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Résumé en anglais	In this work there are reported third order nonlinear optical properties of some new azo- functionalized azulene derivatives. They were studied using standard methods - degenerate four waves mixing and third harmonic generation and nonlinear optical absorption. The obtained results allow us to conclude that NLO properties of an azulene molecule can be significantly enhanced by substitution with an electron accepting an acetamidophenyl group.
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### Liens

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- [2] [http://okina.univ-angers.fr/publications?f\[author\]=2572](http://okina.univ-angers.fr/publications?f[author]=2572)
- [3] <http://okina.univ-angers.fr/bouchta.sahraoui/publications>
- [4] <http://okina.univ-angers.fr/publications/ua2069>
- [5] <http://dx.doi.org/10.4302/plp.2010.1.14>
- [6] <http://photonics.pl/PLP/index.php/letters/article/view/2-32>

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