

Accepted Manuscript

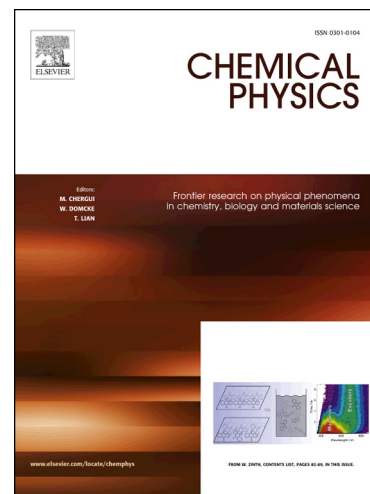
A Molecular Electron Density Theory study of the chemo- and regioselective [3+2] cycloaddition reactions between trifluoroacetonitrile *N*-oxide and thioketones

Saeedreza Emamian, Tian Lu, Luis. R. Domingo, Leily Heidarpour Saremi, Mar Ríos-Gutiérrez

PII: S0301-0104(17)30934-5
DOI: <https://doi.org/10.1016/j.chemphys.2017.12.019>
Reference: CHEMPH 9900

To appear in: *Chemical Physics*

Received Date: 7 November 2017
Accepted Date: 30 December 2017



Please cite this article as: S. Emamian, T. Lu, s.R. Domingo, L. Heidarpour Saremi, M. Ríos-Gutiérrez, A Molecular Electron Density Theory study of the chemo- and regioselective [3+2] cycloaddition reactions between trifluoroacetonitrile *N*-oxide and thioketones, *Chemical Physics* (2017), doi: <https://doi.org/10.1016/j.chemphys.2017.12.019>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

A Molecular Electron Density Theory study of the chemo- and regioselective [3+2] cycloaddition reactions between trifluoroacetonitrile *N*-oxide and thioketones

Saeedreza Emamian^{a,*}, Tian Lu^b, Luis. R. Domingo^c, Leily Heidarpour Saremi^d and Mar Ríos-Gutiérrez^c

^a *Chemistry Department, Shahrood Branch, Islamic Azad University, Shahrood, Iran.*

^b *Beijing Kein Research Center for Natural Sciences, Beijing 100022, P. R. China.*

^c *Department of Organic Chemistry, University of Valencia, Dr Moliner 50, 46100 Burjassot, Valencia, Spain.*

^d *Department of Chemistry, Faculty of Science, University of Sistan and Baluchestan, Zahedan, Iran.*

*Corresponding author. Tel.: +98 9121735085; Fax: +98 2332390537.

E-mail address: s_emamian@iau-shahrood.ac.ir & saeedreza_em@yahoo.com

Download English Version:

<https://daneshyari.com/en/article/7837375>

Download Persian Version:

<https://daneshyari.com/article/7837375>

[Daneshyari.com](https://daneshyari.com)