

Guidelines for preparation of your PDF Extended Abstract at the Carbon'09 International Conference held in Biarritz (France)

Marc Montioux¹, Pierre Delhaes², Christian Godet³ *

¹ CEMES, Groupe NanoMat (CNRS UPR 8011), 29 rue Jeanne Marvig, 31055 Toulouse Cedex 4 (France)

² Centre de Recherche Paul Pascal (CNRS), 115 rue du Docteur Albert Schweitzer, 33600 Pessac (France)

³ Institut de Physique de Rennes (CNRS UMR 6251), Université Rennes 1, Beaulieu, 35042 Rennes (France)

* *Corresponding author. E-mail : christian.godet@univ-rennes1.fr*

Abstract. These guidelines for the presentation of your Extended Abstract are strongly suggested to keep some homogeneity. You can also type your Extended Abstract directly within this model. The Extended Abstract should not be shorter than two pages, and your PDF file should not exceed 1 Mo in size to be integrated in the CD-ROM.

1. Introduction

Please justify the whole Extended Abstract on both sides with a single column presentation. Use Times 16 pt Bold for the Title, 0 pt spacing before and 22 pt spacing after the title. Use Times 10 pt for the list of authors, 0 pt spacing before and 10 pt spacing after this list. A superscript refers to the authors affiliations. Use Times 9 pt for the affiliations, 0 pt spacing before and 0 pt spacing after each affiliation. Use Times 9 pt with 10 pt spacing before and 10 pt spacing after the e-mail address of the corresponding author.

For the concise Abstract, please use Times 9 pt with 0 pt spacing before and 20 pt spacing after the Abstract. For Titles, use Times 11 pt Bold, with 18 pt spacing before and 11 pt spacing after. For the text, use Times 10 pt, with 0 pt spacing before and 11 pt spacing after each paragraph. References will be under brackets, e.g. diamond [1-3], glassy carbon [4, 5] or amorphous carbon [6, 7]. A full list of authors is recommended ; book titles should be given but not titles of other references [8, 9].

2. Experimental Methods

The experimental methods for the synthesis and analysis of the carbon-based materials, along with the physics and chemistry principles which were used, should be included in this Section 2.

3. Results and Discussion

The Experimental Results and their Discussion can be either reported in separate Sections or commented jointly. Figures with their Figure caption and legible units and labels should be referred to in the Text (Figure 1). Tables with their Table caption explaining the units and error bars should be referred to in the Text (Table 1). For both Figure and Table captions, use Times 9 pt (Bold for the Titles), with 0 pt spacing before and 6 pt spacing after.

Equations should be numbered consecutively: (1).

The hypothesis and experimental facts should be clearly detailed, so that most participants in the Carbon'09 conference will understand your work, including non-specialists and young researchers.

4. Conclusion

A concise Conclusion to summarize your work may also give some future interesting directions.

Table 1. Arrhenius law parameters for the rate constant $k(T)$ of perfluorodecene molecular desorption from a-C, a-Si:H and crystalline Si(111):H surfaces. Fits of the coverage values measured after different annealing steps assume first-order kinetics.

	E_{act} (eV)	ν (s ⁻¹)	DG ($T_{1/2}$) (eV)	$T_{1/2}$ (K)
Amorphous Carbon	0.31 (±0.02)	0.05 (±0.02)	2.35	718
Amorphous Silicon	0.485 (±0.04)	2.7 (±1)	2.10	643

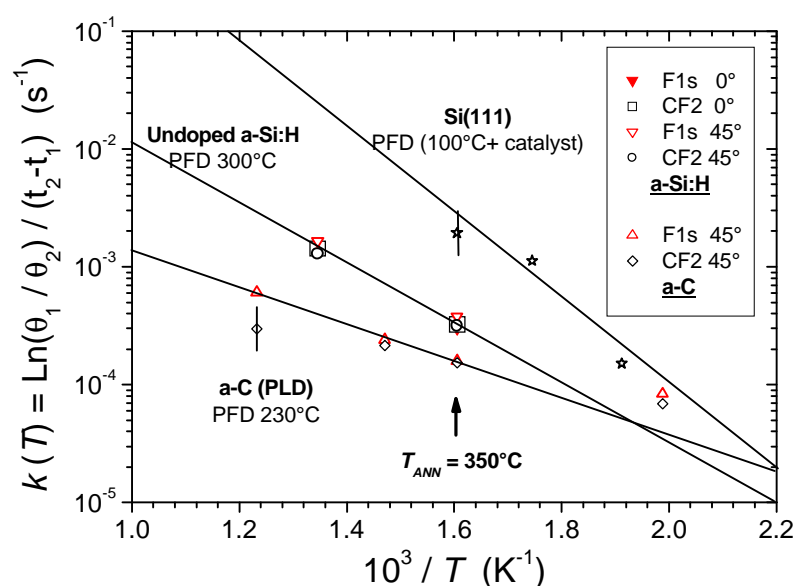


Figure 1 : Rate constant $k(T)$ of the perfluorodecene molecule desorption reaction for thermal annealing under UHV, covalently immobilized on undoped a-Si:H surface and a-C(PLD) film surfaces. Several lines (F1s and CF₂) measured at different emission angles were used to compute the first-order rate constant $k(T)$. Comparison with Si(111) is made using IR experiments [7].

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