

Meredith Jordan

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15/11/2021

Dr Andreas Hofzumahaus

Editor, Atmospheric Chemistry and Physics

RE MS no: acp-2021-424

Title: Photo-initiated ground state chemistry: How important is it in the atmosphere?

Dear Dr Hofzumahaus,

Responding to your comment:

In the title and throughout the paper, you are using the term 'carbonyl' for organic carbonyl compounds. In order to avoid possible confusion with inorganic or organometallic carbonyl compounds, at least the title should read '.... organic carbonyl compounds'.

We have changed the title to “An assessment of the tropospherically accessible photo-initiated ground state chemistry of **organic** carbonyls”. We also explicitly refer to “**organic** carbonyls” in the first paragraph. The first two paragraphs also explicitly reference volatile organic compounds. We subsequently use the generic term “carbonyl”.

Please do not hesitate to contact me if you have any questions.

Sincerely,



Meredith Jordan

(for all authors)