

Jens Sehested - Publications - DTU Orbit (27/01/2016)

Atmospheric chemistry of $\text{CF}_3\text{C}(\text{O})\text{OCH}_2\text{CF}_3$: UV spectra and kinetic data for $\text{CF}_3\text{C}(\text{O})\text{OCH}(\cdot)\text{CF}_3$ and $\text{CF}_3\text{C}(\text{O})\text{OCH}(\text{OO}\cdot)\text{CF}_3$ radicals, and atmospheric fate of $\text{CF}_3\text{C}(\text{O})\text{OCH}(\text{O}\cdot)\text{CF}_3$ radicals

General information

State: Published

Organisations: Risø National Laboratory for Sustainable Energy

Authors: Stein, T. (Ekstern), Christensen, L. (Intern), Platz, J. (Ekstern), Sehested, J. (Intern), Nielsen, O. (Intern), Wallington, T. (Ekstern)

Pages: 5705-5713

Publication date: 1999

Main Research Area: Technical/natural sciences

Publication information

Journal: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory

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Original language: English

Source: orbit

Source-ID: 300110

Publication: Research - peer-review › Journal article – Annual report year: 1999

Atmospheric chemistry of cyclohexane: UV spectra of $\text{c-C}_6\text{H}_{11}\cdot$ and $(\text{c-C}_6\text{H}_{11})\text{O}_2(\cdot)$ radicals, kinetics of the reactions of $(\text{c-C}_6\text{H}_{11})\text{O}_2(\cdot)$ radicals with NO and NO_2 , and the fate of the alkoxy radical $(\text{c-C}_6\text{H}_{11})\text{O}\cdot$

General information

State: Published

Organisations: Risø National Laboratory for Sustainable Energy

Authors: Platz, J. (Ekstern), Sehested, J. (Intern), Nielsen, O. (Intern), Wallington, T. (Ekstern)

Pages: 2688-2695

Publication date: 1999

Main Research Area: Technical/natural sciences

Publication information

Journal: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory

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BFI (2010): BFI-level 1
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BFI (2008): BFI-level 1
Original language: English
Source: orbit
Source-ID: 300457
Publication: Research - peer-review › Journal article – Annual report year: 1999

Atmospheric chemistry of trimethoxymethane, (CH₃O) (3) CH; Laboratory studies

General information

State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Authors: Platz, J. (Ekstern), Sehested, J. (Intern), Nielsen, O. (Intern), Wallington, T. (Ekstern)
Pages: 2632-2640
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Main Research Area: Technical/natural sciences

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Journal: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory
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BFI (2011): BFI-level 1
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BFI (2010): BFI-level 1
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BFI (2008): BFI-level 1
Original language: English
Source: orbit
Source-ID: 300456
Publication: Research - peer-review › Journal article – Annual report year: 1999

Absolute and relative rate constants for the reactions CH₃C(O)O₂+NO and CH₃C(O)O₂+NO₂ and thermal stability of CH₃C(O)O₂+NO₂

General information

State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Authors: Sehested, J. (Intern), Christensen, L. (Intern), Møgelberg, T. (Intern), Nielsen, O. (Intern), Wallington, T. (Ekstern), Guschin, A. (Ekstern), Orlando, J. (Ekstern), Tyndall, G. (Ekstern)
Pages: 1779-1789
Publication date: 1998
Main Research Area: Technical/natural sciences

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Journal: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory
Volume: 102
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ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
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BFI (2008): BFI-level 1
Original language: English
Source: orbit
Source-ID: 298828
Publication: Research - peer-review › Journal article – Annual report year: 1998

Atmospheric chemistry of 1,3,5-trioxane: UV spectra of $c\text{-C}_3\text{H}_5\text{O}_3(\cdot)$ and $(c\text{-C}_3\text{H}_5\text{O}_3)\text{O}_2(\cdot)$ radicals, kinetics of the reactions of $(c\text{-C}_3\text{H}_5\text{O}_3)\text{O}_2(\cdot)$ radicals with NO and NO_2 , and atmospheric fate of the alkoxy radical $(c\text{-C}_3\text{H}_5\text{O}_3)\text{O}(\cdot)$

General information

State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Authors: Platz, J. (Ekstern), Christensen, L. (Intern), Sehested, J. (Intern), Nielsen, O. (Intern), Wallington, T. (Ekstern), Sauer, C. (Ekstern), Barnes, I. (Ekstern), Becker, K. (Ekstern), Vogt, R. (Ekstern)
Pages: 4829-4838
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Main Research Area: Technical/natural sciences

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BFI (2008): BFI-level 1
Original language: English
Source: orbit
Source-ID: 298650
Publication: Research › Journal article – Annual report year: 1998

Atmospheric chemistry of $\text{CF}_3\text{CH}_2\text{OCH}_2\text{CF}_3$: UV spectra and kinetic data for $\text{CF}_3\text{CH}(\cdot)\text{OCH}_2\text{CF}_3$ and $\text{CF}_3\text{CH}(\text{OO}\cdot)\text{OCH}_2\text{CF}_3$ radicals and atmospheric fate of $\text{CF}_3\text{CH}(\text{O}\cdot)\text{OCH}_2\text{CF}_3$ radicals

General information

State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Authors: Wallington, T. (Ekstern), Guschin, A. (Ekstern), Stein, T. (Ekstern), Platz, J. (Ekstern), Sehested, J. (Intern), Christensen, L. (Intern), Nielsen, O. (Intern)

Pages: 1152-1161
Publication date: 1998
Main Research Area: Technical/natural sciences

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Original language: English
Source: orbit
Source-ID: 298898
Publication: Research - peer-review › Journal article – Annual report year: 1998

Atmospheric chemistry of HFE-7200 (C₄F₉OC₂H₅): Reaction with OH radicals and fate of C₄F₉OCH₂CH₂O(·) and C₄F₉OCHO(·) CH₃

General information

State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Authors: Christensen, L. (Intern), Sehested, J. (Intern), Nielsen, O. (Intern), Bilde, M. (Intern), Wallington, T. (Ekstern), Guschin, A. (Ekstern), Molina, L. (Ekstern), Molina, M. (Ekstern)
Pages: 4839-4845
Publication date: 1998
Main Research Area: Technical/natural sciences

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Original language: English
Source: orbit
Source-ID: 298600
Publication: Research - peer-review › Journal article – Annual report year: 1998

Atmospheric chemistry of the phenoxy radical, C_6H_5O : UV spectrum and kinetics of its reaction with NO, NO₂, and O₂

General information

State: Published

Organisations: Risø National Laboratory for Sustainable Energy

Authors: Platz, J. (Ekstern), Nielsen, O. (Intern), Wallington, T. (Ekstern), Ball, J. (Ekstern), Hurley, M. (Ekstern), Straccia, A. (Ekstern), Schneider, W. (Ekstern), Sehested, J. (Intern)

Pages: 7964-7974

Publication date: 1998

Main Research Area: Technical/natural sciences

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Journal: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory

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BFI (2010): BFI-level 1

BFI (2009): BFI-level 1

BFI (2008): BFI-level 1

Original language: English

Source: orbit

Source-ID: 298078

Publication: Research - peer-review › Journal article – Annual report year: 1998

Kinetics and mechanism of the reactions of 2,3-butadione with F and Cl atoms, UV absorption spectra of $CH_3C(O)C(O)CH_2$ · and $CH_3C(O)C(O)CH_2O_2$ · radicals, and atmospheric fate of $CH_3C(O)C(O)CH_2O$ · radicals

General information

State: Published

Organisations: Risø National Laboratory for Sustainable Energy

Authors: Christensen, L. (Intern), Sehested, J. (Intern), Nielsen, O. (Intern), Wallington, T. (Ekstern), Guschin, A. (Ekstern), Hurley, M. (Ekstern)

Pages: 8913-8923

Publication date: 1998

Main Research Area: Technical/natural sciences

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Journal: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory

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BFI (2010): BFI-level 1
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BFI (2008): BFI-level 1
Original language: English
Source: orbit
Source-ID: 297967
Publication: Research › Journal article – Annual report year: 1998

Atmospheric chemistry of CH_2BrCl : Kinetics and mechanism of the reaction of F atoms with CH_2BrCl and fate of the CHBrClO^\bullet radical

General information

State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Authors: Bilde, M. (Intern), Sehested, J. (Intern), Nielsen, O. (Intern), Wallington, T. (Ekstern)
Pages: 5477-5488
Publication date: 1997
Main Research Area: Technical/natural sciences

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BFI (2010): BFI-level 1
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Original language: English
Source: orbit
Source-ID: 296844
Publication: Research - peer-review › Journal article – Annual report year: 1997

Atmospheric chemistry of Dimethoxymethane ($\text{CH}_3\text{OCH}_2\text{OCH}_3$): kinetics and mechanisms of its reaction with OH radicals and fate of the alkoxy radicals $\text{CH}_3\text{OCHO}(\cdot)\text{OCH}_3$ and $\text{CH}_3\text{OCH}_2\text{OCH}_2\text{O}(\cdot)$

General information

State: Published
Organisations: Risø National Laboratory for Sustainable Energy
Authors: Wallington, T. (Ekstern), Hurley, M. (Ekstern), Ball, J. (Ekstern), Straccia, A. (Ekstern), Platz, J. (Ekstern), Christensen, L. (Intern), Sehested, J. (Intern), Nielsen, O. (Intern)
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Main Research Area: Technical/natural sciences

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BFI (2010): BFI-level 1

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BFI (2008): BFI-level 1

Original language: English

Source: orbit

Source-ID: 296496

Publication: Research - peer-review › Journal article – Annual report year: 1997

Atmospheric chemistry of dimethyl carbonate: Reaction with OH radicals, UV spectra of $\text{CH}_3\text{OC(O)OCH}_2$ and $\text{CH}_3\text{OC(O)OCH}_2\text{O}_2$ radicals, reactions of $\text{CH}_3\text{OC(O)OCH}_2\text{O}_2$ with NO and NO_2 , and fate of $\text{CH}_3\text{OC(O)OCH}_2\text{O}$ radicals

General information

State: Published

Organisations: Risø National Laboratory for Sustainable Energy

Authors: Bilde, M. (Intern), Møgelberg, T. (Intern), Sehested, J. (Intern), Nielsen, O. (Intern), Wallington, T. (Ekstern), Hurley, M. (Ekstern), Japar, S. (Ekstern), Dill, M. (Ekstern), Orkin, V. (Ekstern), Buckley, T. (Ekstern), Huie, R. (Ekstern), Kurylo, M. (Ekstern)

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Main Research Area: Technical/natural sciences

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Journal: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory

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BFI (2008): BFI-level 1

Original language: English

Source: orbit

Source-ID: 297073

Publication: Research - peer-review › Journal article – Annual report year: 1997

Atmospheric chemistry of HFC-236cb: Fate of the alkoxy radical $\text{CF}_3\text{CF}_2\text{CFHO}$

General information

State: Published

Organisations: Risø National Laboratory for Sustainable Energy

Authors: Møgelberg, T. (Intern), Sehested, J. (Intern), Tyndall, G. (Ekstern), Orlando, J. (Ekstern), Fracheboud, J. (Ekstern), Wallington, T. (Ekstern)
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Main Research Area: Technical/natural sciences

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BFI (2008): BFI-level 1
Original language: English
Source: orbit
Source-ID: 297079
Publication: Research - peer-review › Journal article – Annual report year: 1997

Atmospheric chemistry of HFE-7100 ($C_4F_9OCH_3$): reaction with OH radicals, UV spectra and kinetic data for $C_4F_9OCH_2$ and $C_4F_9OCH_2O_2$ radicals and the atmospheric fate of $C_4F_9OCH_2O$ radicals

General information

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Organisations: Risø National Laboratory for Sustainable Energy
Authors: Wallington, T. (Ekstern), Schneider, W. (Ekstern), Sehested, J. (Intern), Bilde, M. (Intern), Platz, J. (Ekstern), Nielsen, O. (Intern), Christensen, L. (Intern), Molina, M. (Ekstern), Molina, L. (Ekstern), Wooldridge, P. (Ekstern)
Pages: 8264-8274
Publication date: 1997
Main Research Area: Technical/natural sciences

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ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 1
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
BFI (2009): BFI-level 1
BFI (2008): BFI-level 1
Original language: English
Source: orbit
Source-ID: 296495
Publication: Research - peer-review › Journal article – Annual report year: 1997

Kinetics and mechanism of the gas phase reaction of atomic chlorine with CH₂ICI at 206–432 K

General information

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Organisations: Risø National Laboratory for Sustainable Energy

Authors: Bilde, M. (Intern), Sehested, J. (Intern), Nielsen, O. (Intern), Wallington, T. (Ekstern), Meagher, R. (Ekstern), McIntosh, M. (Ekstern), Piety, C. (Ekstern), Nicovich, J. (Ekstern), Wine, P. (Ekstern)

Pages: 8035-8041

Publication date: 1997

Main Research Area: Technical/natural sciences

Publication information

Journal: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory

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BFI (2011): BFI-level 1

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BFI (2010): BFI-level 1

BFI (2009): BFI-level 1

BFI (2008): BFI-level 1

Original language: English

Source: orbit

Source-ID: 296081

Publication: Research - peer-review › Journal article – Annual report year: 1997