

# Ultrahigh Vacuum Studies of the Kinetics and Reaction Mechanisms of Ozone with Surface-Bound Fullerenes

Erin Durke Davis

Dissertation submitted to the faculty of the  
Virginia Polytechnic Institute and State University  
In partial fulfillment of the requirements for the degree of

DOCTOR OF PHILOSOPHY  
In  
Chemistry

John R. Morris, Chair  
Karen J. Brewer  
Gary L. Long  
Diego Troya  
Sungsool Wi

October 10, 2011  
Blacksburg, Virginia

Keywords: C<sub>60</sub>, ozone, fullerenes, ultrahigh vacuum, endohedrals, ozonolysis

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Sent: Monday, October 24, 2011 10:24 AM

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>

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> From: Kellar, Jon J. [mailto:Jon.Kellar@sdsmt.edu]

> Sent: Monday, October 24, 2011 8:54 AM

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>

> Erin:

>

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> y-dire

> ctory/xinwei-wang.html

> Hopefully you are getting closer to having your question answered!

>

> Jon Kellar

>

> Dr. Jon J. Kellar

> Douglas Fuerstenau Professor and Department Head of Materials and

> Metallurgical Engineering South Dakota School of Mines and Technology

> 501 E. St. Joseph Street

> Rapid City, SD 57701-3995

> 605-394-2343

> 605-394-3369 (fax)

> Jon.Kellar@sdsmt.edu

>

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> To: Kellar, Jon J.

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>

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>

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>

> Erin D. Davis

>

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> From: Webster, Dean [mailto:Dean.Webster@ndsu.edu]

> Sent: Tuesday, October 18, 2011 5:13 PM

> To: edurke@vt.edu

> Subject: RE: Carbon Nanotube Image

>

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>

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>

> Dean C. Webster

> Editor, Progress in Organic Coatings

> Professor, Coatings and Polymeric Materials North Dakota State

> University Dept. 2760 PO Box 6050 Fargo, ND 58108-6050

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>

> Erin D. Davis

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**Author:** Dieter Heymann et al.

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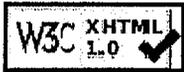
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**Author:** J. McCabe et al.

**Publication:** The Journal of Physical Chemistry C

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