

## W. Adam: Oral Presentations

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W. Adam

A Novel Cyclic Peroxy-Ester:  $\beta$ -Phenyl- $\beta$ -Peroxypropiolactone

147th A.C.S. National Meeting

Philadelphia, Penn.

April 1964

2

W. Adam, F. Matheu Delgado

Homomolecular Ions

Third Caribbean Chemical Symposium

Caracas, Venezuela

January 1965

3

W. Adam, A. Grimison

EHT Applied to Nucleophilic Substitution in Pyridine, Quinoline and Isoquinoline

150th A.C.S. National Meeting

Atlantic City, New York, N.Y.

September 1965

4

W. Adam, J.R. Ramirez

A Novel Decarboxylation Reaction

152nd A.C.S. National Meeting

New York, N.Y.

September 1966

5

W. Adam, A. Grimison

Sigma Effects in 5-Membered Heterocyclics

Fourth Caribbean Chemical Symposium

Kingston, Jamaica

January 1967

6

W. Adam, A. Grimison, R. Hoffmann, C. Zuazaga

Hydrogen Bonding in Pyridine

Hydrogen Bonding Symposium

Elmau, Germany

April 1967

7

W. Adam

Gomberg Free Radical Conference

Ann Arbor, Mich.

August 1967

8

W. Adam, A. Grimison, G. Rodriguez

Carbon-13 Chemical Shifts in Nitrogen Heterocycles

154th A.C.S. National Meeting

Chicago, Illinois

September 1967

9

W. Adam, Y.M. Cheng  
Rearrangement of Oxygen Diradicals  
155th A.C.S. National Meeting  
San Francisco, Cal.  
September 1967

10

W. Adam  
International Oxidation Conference  
San Francisco, Cal.  
September 1967

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W. Adam  
Hetarynes  
Colloquium , University of Montreal  
Montreal, Canada  
October 1968

12

W. Adam  
 $\beta$ -Peroxy-Lactones  
Organic Colloquium, McGill University  
Montreal, Canada  
October 1968

13

W. Adam, A. Rios  
The Mechanism of the Reaction of Peroxy-Carbonates with Phosphorus Nucelophiles  
Fifth Caribbean Chemical Symposium  
Bridgetown, Barbados  
January 1969

14

W. Adam, A. Grimison, P.A. Sprangle  
Nuclear Spin-Spin Coupling in the Hydrides of the Second Period  
9th Latin American Congress of Chemistry  
San Jose, Costa Rica  
February 1969

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W. Adam  
Lone Pair Interactions in Heteroaromatic Anions  
Second Quantum Chemistry Symposium  
Jerusalem, Israel  
April 1969

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W. Adam  
The Chemistry of  $\beta$ -Peroxy-Lactones  
Organic Colloquium, University of Karlsruhe  
Karlsruhe, Germany  
16. April 1969

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W. Adam, G. Santiago Aponte  
Photodecarboxylation of  $\beta$ -Peroxy-Lactones  
158th A.C.S. National Meeting  
New York, N.Y.  
September 1969

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W. Adam  
 $\beta$ -Peroxy-Lactones  
Colloquium, Louisiana State University  
New Orleans, Louisiana  
May 1970

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W. Adam, C. Wilkerson  
Peroxy-Lactones  
Cyclic Peroxide Symposium, Metrochem 71, A.C.S. Regional Meeting  
San Juan, Puerto Rico  
April 1971

20

W. Adam, J. Baeza  
Conformational Effects in the Rearrangement of Oxygen Diradicals Generated from the  
Thermolysis of  $\beta$ -Peroxlactones  
Cyclic Peroxide Symposium, Metrochem 71, ACS Regional Meeting  
San Juan, Puerto Rico  
April 1971

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W. Adam, G. Santiago Aponte  
The Mechanism of Photodecarboxylation of  $\beta$ -Peroxy-Lactones  
Cyclic Peroxide Symposium, Metrochem 71, ACS Regional Meeting  
San Juan, Puerto Rico  
April 1971

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W. Adam, L. Szendrey  
A Novel Cyclic Peroxyester: Synthesis of gamma-Methyl-gamma-Peroxy-Valerolactone, Its  
Thermolysis and Photolysis  
Cyclic Peroxide Symposium, Metrochem 71, ACS Regional Meeting  
San Juan, Puerto Rico  
April 1971

23

W. Adam, J. Sanabia  
Synthesis and Thermal Decomposition of a Novel Cyclic Peroxalate: 7,7,10,10-Tetramethyl-  
1,2,5,6-tetroxocane-3,4-dione  
Cyclic Peroxide Symposium, Metrochem. 71, ACS Regional Meeting  
San Juan, Puerto Rico  
April 1971

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W. Adam, R. Rucktäschel

Synthesis and Thermolysis of Cyclic Malonyl Peroxide

Cyclic Peroxide Symposium, Metrochem 71, ACS Regional Meeting

San Juan, Puerto Rico

April 1971

25

W. Adam, R. Rios

Synthesis of Vicinal Hydroperoxy Alcohols and their 1,2,4-Trioxane Derivatives

Cyclic Peroxide Symposium, Metrochem 71, ACS Regional Meeting

San Juan, Puerto Rico

April 1971

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W. Adam, N. Duran

The Thermolysis of 1,2-Dioxolane Derivatives

Cyclic Peroxide Symposium, Metrochem 71, ACS Regional Meeting

San Juan, Puerto Rico

April 1971

27

W. Adam, J. Arce

The Dehalogenation of Vicinal Dihalides with Sodium Naphthalide

Metrochem 71, ACS Regional Meeting

San Juan, Puerto Rico

April 1971

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W. Adam, J.C. Liu

A Novel and Convenient  $\beta$ -Lactone Synthesis

Metrochem 71, ACS Regional Meeting

San Juan, Puerto Rico

April 1971

29

W. Adam, J. Baeza, J.C. Liu

A Convenient Stereoselective Fixation of Double Bonds by the Thermolysis of  $\beta$ -Lactones

23rd IUPAC Congress

Boston, Massachusetts

July 1971

30

W. Adam, J. Sanabia

Differential Scanning Calorimetry Applied to the Thermolysis of Peroxalates

3rd ICTA Symposium

Davos, Switzerland

August 1971

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W. Adam

Free Radical Conference

Lyon, France

September 1971

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W. Adam, J.C. Liu  
Oxygenation of Tetrathioethylenes with Singlet Oxygen  
162nd A.C.S. National Meeting  
Washington, D.C.  
September 1971

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W. Adam  
Behavior of Oxygen Diradicals  
Organic Colloquium, University of Würzburg  
Würzburg, Germany  
6. September 1971

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W. Adam  
Singlet Oxygen in Organic Chemistry  
Organic Colloquium, University of Gießen  
Gießen, Germany  
9. September 1971

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W. Adam  
Novel Cyclic Peroxides  
Organic Colloquium, University of Köln  
Köln, Germany  
September 1971

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W. Adam  
 $\alpha$ -Lactone Intermediates  
Organic Colloquium, University of Groningen  
Groningen, Holland  
14. September 1971

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W. Adam, N. Duran  
Photolysis of 1,2-Dioxolanes  
10th Latin American Congress of Chemistry  
Santiago, Chile  
5. January 1972

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W. Adam, J. Baeza, O. Rodriguez  
Stereochemistry of the  $\beta$ -Peroxy-Lactone-Triphenylphosphine Reaction  
10th Latin American Congress of Chemistry  
Santiago, Chile  
5. January 1972

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W. Adam, A. Rios  
Thermolysis and Photolysis of 1,2,4-Trioxanes  
10th Latin American Congress of Chemistry  
Santiago, Chile  
5. January 1972

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W. Adam  
Novel Peroxide Heterocycles  
Gordon Research Conference  
New Hampton, New Hampshire  
30. June 1972

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W. Adam, N. Duran  
Oxatrimethylene Diradicals via Thermolysis of 1,2-Dioxolanes  
164th National ACS Meeting  
New York, N.Y.  
29. August 1972

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W. Adam  
IUPAC Physical Organic Conference  
Crans-sur-Sierre, Switzerland  
September 1972

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W. Adam, J.C. Liu, G. Simpson, H.-C. Steinmetzer  
a-Peroxy-Lactones, Bioluminescent Intermediates  
International Chemiluminescence Conference  
Athens, Georgia  
12. October 1972

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W. Adam  
Diradicals Derived from Cyclic Peroxy-Esters  
Physical Chemistry Colloquium, University of Zürich  
Zürich, Switzerland  
19. November 1972

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W. Adam  
Cyclic Peroxy-Esters, their Thermolysis and Photolysis  
Organic Chemistry Colloquium, University Clausthal-Zellerfeld  
Clausthal-Zellerfeld, Germany  
19. December 1972

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W. Adam, J. Sanabia  
Thermolysis and Photolysis of 1,2-Dioxanes  
7th Caribbean Chemical Conference  
Mayagüez, Puerto Rico  
January 1973

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W. Adam, J. Arce de Sanabia  
4-Alkylidene-1,2-Dioxolanes  
7th Caribbean Chemical Conference  
Mayagüez, Puerto Rico  
January 1973

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W. Adam, A. Rios  
1,2,4-Trioxanes, their Thermolysis and Photolysis  
7th Caribbean Chemical Conference  
Mayagüez, Puerto Rico  
January 1973

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W. Adam, M. Colon, O. Rodriguez, S.C. Tsai  
Mass Spectrometry of  $\beta$ -Peroxy-Lactones and of their Thermal and Photochemical Products  
7th Caribbean Chemical Conference  
Mayagüez, Puerto Rico  
January 1973

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W. Adam, J.C. Liu  
 $\alpha$ -Peroxy-Lactones  
7th Caribbean Chemical Conference  
Mayagüez, Puerto Rico  
January 1973

51

W. Adam, L. Guedes, C.I. Rojas  
Effect of  $\alpha$ -Substitution on the Thermolysis and Photolysis of  $\beta$ -Peroxy-Lactones  
7th Caribbean Chemical Conference  
Mayagüez, Puerto Rico  
January 1973

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W. Adam  
 $\alpha$ -Peroxy-Lactones  
Organic Chemistry Colloquium, University of Konstanz  
Konstanz, Germany  
24. January 1973

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W. Adam  
The Chemistry of Diradicals Generated from Cyclic Peroxides  
Organic Chemistry Colloquium, University of Gießen  
Gießen, Germany  
1. February 1973

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W. Adam  
The Chemistry of Luciferin Bioluminescence  
Biophysical Chemistry Colloquium, University of Frankfurt  
Frankfurt, Germany  
2. February 1973

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W. Adam  
The Thermolysis and Photolysis of 5-Membered Ring Cyclic Peroxides  
General Colloquium DSM Central Research  
Geleen, Holland  
17. April 1973

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W. Adam

The Chemiluminescence of 1,2-Dioxetanones  
Organic Chemistry Colloquium, University of Wageningen  
Wageningen, Holland  
18. April 1973

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W. Adam

The Mechanism of the Thermolysis and Photolysis of Peroxy-Lactones  
General Colloquium AKZO Chemical Research  
Arnheim, Holland  
18. April 1973

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W. Adam

Conference on Stereochemistry  
Bürgenstock, Switzerland  
1. May - 5. May 1973

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W. Adam

Diradicals Derived from Cyclic Alkyl Peroxides  
Organic Chemistry Colloquium, University of Freiburg  
Freiburg, Germany  
7. May 1973

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W. Adam

Dioxetanes, Dioxolanes and Dioxanes  
Organic Chemistry Colloquium, University of Karlsruhe  
Karlsruhe, Germany  
21. May 1973

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W. Adam

Bioluminescence of  $\alpha$ -Peroxy-Lactones  
Organic Chemistry Colloquium, University of Köln  
Köln, Germany  
22. May 1973

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W. Adam

$\alpha$ -Peroxlactones as Bioluminescent Intermediates  
Organic Chemistry Colloquium, University of Groningen  
Groningen, Holland  
23. May 1973

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W. Adam

Mechanism of Chemiluminescence  
Organic Chemistry Colloquium, University of Leiden  
Leiden, Holland  
24. May 1973

64

W. Adam

$\alpha$ -Peroxy-Lactones in Bioluminescence

Plenary Lecture at the Annual Meeting of the Organic Section of the Dutch Chemical Society

Wageningen, Holland

25. May 1973

65

W. Adam

Diradicals Derived from Cyclic Alkyl Peroxides

Organic Colloquium, University of Marburg

Marburg, Germany

2. July 1973

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W. Adam

CIDNP as a Mechanistic Probe in Photo-Rearrangements

Organic Colloquium, University of Gießen

Gießen, Germany

5. July 1973

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W. Adam

The Chemistry of Bioluminescence

Organic Colloquium, University of Würzburg

Würzburg, Germany

9. July 1973

68

W. Adam, G.A. Simpson, F. Yany

Mechanism of  $\alpha$ -Peroxy-Lactone Chemiluminescence

Symposium on 1,2-Dioxetanes, Columbia University

New York, N.Y.

14. November 1973

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W. Adam (Member of Organizing Committee)

Fourth International Conference on Structure-Energy Relationships

San Juan, Puerto Rico

9. January - 12. January 1974

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W. Adam

$\alpha$ -Peroxy-Lactones as Bioluminescent Intermediates

Organic Colloquium, Iowa State University

Ames, Iowa

14. January 1974

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W. Adam

The Chemistry of Bioluminescence

Chemistry Colloquium, SUNY

Buffalo, N.Y.

29. January 1974

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W. Adam

The Chemistry of Diradicals

Visiting Lectureship, SUNY

Buffalo, N.Y.

15. January - 13. February 1974

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W. Adam

Bioluminescence

Organic Colloquium, University of Detroit

Detroit, USA

1. February 1974

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W. Adam

The Chemistry of Oxygen Diradicals

Organic Colloquium, Wayne State University

Detroit, USA

1. February 1974

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W. Adam

What makes the Lightbug light up ?

Seminar, St. Bonaventure University

Olean, N.Y.

5. February 1974

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W. Adam

$\alpha$ -Peroxy-Lactones

Organic Colloquium, MIT

Cambridge, Massachusetts

8. February 1974

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W. Adam

The Chemistry of  $\alpha$ -Peroxy-Lactones

Organic Colloquium, Princeton University

Princeton, N.J.

14. February 1974

78

W. Adam

Chemically Generated Excited States

Colloquium, Bell Labs

Murray Hill, N.J.

15. February 1974

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W. Adam

$\alpha$ -Peroxy-Lactones as Energizers of Bioluminescence

167th National Meeting of the American Chemical Society

Los Angeles, California

1. April 1974

80

W. Adam

The Chemistry of Bioluminescence  
Organic Colloquium, University of Illinois  
Urbana, Illinois  
4. April 1974

81

W. Adam

$\alpha$ -Peroxy-Lactones as Intermediates in Bioluminescence  
Organic Colloquium, Harvard University  
Cambridge, Massachusetts  
8. April 1974

82

W. Adam

The Chemistry of Bioluminescence  
Colloquium, Pennsylvania State University  
University Park, Pennsylvania  
11. April 1974

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W. Adam

Excited Carbonyl Products by Chemical Energization  
Organic Colloquium, Cornell University  
Ithaca, N.Y.  
15. April 1974

84

W. Adam

The Mechanism of Bioluminescence  
Colloquium, Catholic University  
Valparaiso, Chile  
29. July 1974

85

W. Adam

CIDNP as a Photomechanistic Tool  
Colloquium, University of Chile, Faculty of Science  
Santiago, Chile  
30. July 1974

86

W. Adam

Luciferin Bioluminescence  
Colloquium, University of Chile, School of Medicine  
Santiago, Chile  
30. July 1974

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W. Adam

The Diradicals Derived from Cyclic Dialkyl Peroxides  
Colloquium, University of Concepcion  
Concepcion, Chile  
1. August 1974

88

W. Adam

$\alpha$ -Peroxy-Lactones as Bioluminescent Intermediates

Colloquium, University of Concepcion

Concepcion, Chile

1. August 1974

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W. Adam

The Chemistry of Chemically Generated Excited States

Visiting Lectureship, University of Sao Paulo

Sao Paulo, Brazil

5. August - 31. August 1974

90

W. Adam

The Chemistry of Bioluminescence

Colloquium, University of Sao Paulo

Sao Paulo, Brazil

13. August 1974

91

W. Adam

CIDNP Diagnosis of Radical-Cage Reactions

Colloquium, University of Sao Paulo

Sao Paulo, Brazil

19. August 1974

92

W. Adam

The Chemistry of Bioluminescence

Colloquium, University of Campinas

Campinas, Brazil

20. August 1974

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W. Adam

The Chemistry of Bioluminescence

Colloquium, Federal University of Rio de Janeiro

Rio de Janeiro, Brazil

21. August 1974

94

W. Adam

Bioluminescent Organisms

Seminar, School of Dentistry

San Jose de Campos, Brazil

28. August 1974

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W. Adam

The Chemistry of Bioluminescence

Colloquium, Federal University of Belo Horizonte

Belo Horizonte, Brazil

29. August 1974

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W. Adam

The Marvelous World of Biological Luminescence  
Lecture Series in Oceanography, Inter-American University  
Hato Rey Campus  
23. November 1974

97

W. Adam

The Chemistry of Bioluminescence  
Graduate Seminar, Biology Department of the University of Puerto Rico  
Rio Piedras, Puerto Rico  
11. October 1974

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W. Adam

The Mechanism of Bioluminescence  
Fourth Enzyme Mechanism Conference  
San Juan, Puerto Rico  
3. January - 5. January 1975

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W. Adam

Polarized *meta*-Product in the Photo-Fries Rearrangement  
Euchem DIDNP Conference  
Grenoble, France  
21. May - 23. May 1975

100

W. Adam

Biology, Chemistry and Physics of Bioluminescence  
Colloquium, University of Basel  
Basel, Switzerland  
4. July 1975

101

W. Adam, L. Guedes

Evidence for a 1,3-Diradical Intermediate in the Direct, Photo- and Chemi-Sensitized  
Decarboxylation of 4,4,5,5-Tetramethyl-1,2-dioxolan-3-one  
25th IUPAC Organic Congress  
Jerusalem, Israel  
6. July - 11. July 1975

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W. Adam

Theoretical Aspects of Bioluminescence  
Colloquium, National Autonomous University of Mexico  
Mexico City, Mexico  
8. December 1975

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W. Adam

First North American Congress  
Mexico City, Mexico  
30. November - 5. December 1975

104

W. Adam

International Symposium on Prostaglandins in Hematology  
Philadelphia, Penn.

4. March - 5. March 1976

105

W. Adam, A. Rodriguez

Ethoxyacetylene as Potential  $\alpha$ -Peroxylactonization Catalyst  
4th Annual Xavier-MBS Biomedical Symposium

New Orleans, Louisiana

April 1976

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W. Adam

Centennial ACS Meeting

New York, N.Y.

5. April - 9. April 1976

107

W. Adam

$\alpha$ -Peroxy-Lactones as Chemical Energizers

Colloquium, University of Michigan, ACS Section

Ann Arbor, Mich.

8. April 1976

108

W. Adam

The Chemistry of Bioluminescence

Colloquium, University of New Orleans

New Orleans, Louisiana

12. April 1976

109

W. Adam

The Chemistry of 1,2-Dioxetanes

Colloquium, Louisiana State University

Baton Rouge, Louisiana

13. April 1976

110

W. Adam

$\alpha$ -Peroxy-Lactones as High Energy Intermediates in Chemiluminescence

US-Japan Joint Seminar on Peroxide Chemistry

Boulder, Colorado

23. August - 27. August 1976

111

W. Adam, O. Rodriguez, K. Zinner

Tetramethyl-1,2-Dioxetane: Acetone Chemi-Excited Phosphorescence in Polymer Matrices

Sixth IUPAC Photochemistry Conference

Aix-en-Provence, France

19. July 1976

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W. Adam, O. Rodriguez, K. Zinner  
Triplet-Singlet Energy Transfer in Polymer Matrices  
172nd National ACS Meeting  
San Francisco, Cal.  
2. September 1976

113

W. Adam, O. Cueto  
Synthesis of  $\alpha$ -Hydroperoxy Acids by Direct Oxygenation of Enolate Carboxylates  
First Senior Technical Meeting of the ACS-Puerto Rico Section  
La Parguera, Puerto Rico  
10. December 1976

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W. Adam, O. Rodriguez, F. Yany  
The Singlet Oxygenation of Ketenes  
First Senior Technical Meeting of the ACS-Puerto Rico Section  
La Parguera, Puerto Rico  
10. December 1976

115

W. Adam  
Bioelectronic Processes  
Colloquium, University of Puerto Rico Medical School  
Rio Piedras, Puerto Rico  
March 1977

116

W. Adam  
National Science Foundation Minority Programs "Public Meeting of Experts on Centers of Graduate Education for Minorities  
Arlington, Va.  
14. January 1977

117

W. Adam, S. Diaz, C. Cadiz, A. Rodriguez  
Synthesis of 1,2-Dioxolanes from Cyclopropanes; A Route to Prostanoid Endoperoxide Model Compounds  
5th Annual Xavier MBS Biomedical Symposium  
New Orleans, Louisiana  
April 1977

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W. Adam, O. Cueto, H. Rebollo  
 $\alpha$ -Lithiation of 2-Phenylpropionic Acid and its Electrophilic Substitutions  
5th Annual Xavier MBS Biomedical Symposium  
New Orleans, Louisiana  
April 1977

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W. Adam, L.O. Rodriguez, K. Zinner  
Acid-Dependent Fluorescence Efficiency of Ergostatetraenone  
5th Annual Xavier MBS Biomedical Symposium  
New Orleans, Louisiana  
April 1977

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W. Adam

The Use of Chemienergization as a Medical Tool in Photochemical Problems

N.Y. Academy of Science

New York, N.Y.

3. May 1977

121

W. Adam

Chemi-Generated Electronically Excited States

Colloquium, IBM, Watson Research Center

Yorktown, N.Y.

4. May 1977

122

W. Adam

Strained Peroxide Rings

International Symposium on the "Chemistry of Strained Rings

Binghamton, N.Y.

27. May - 29. May 1977

123

W. Adam

Diradicals Derived from Cyclic Peroxides

Gordon Research Conference

Andover, N.Y.

13. June - 17. June 1977

124

W. Adam

Chemienergization with High-Energy Molecules

Colloquium, Cyanamid Company

Bound Brook, New Jersey

11. June 1977

125

W. Adam

The Chemistry of Bioluminescence

Seminar, Tam-Kang University

Tam-Kang, Taiwan

24. August 1977

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W. Adam

The Chemistry of Oxygen Diradicals

Seminar, Tsing Hua University

Tsing Hua, Taiwan

25. August 1977

127

W. Adam

The Chemistry of Bioluminescence

Seminar, Cheng Kung University

Chen Kung, Taiwan

26. August 1977

128

W. Adam  
Chemienenergization with  $\alpha$ -Peroxy-Lactones  
Seminar, Kyoto University  
Kyoto, Japan  
30. August 1977

129

W. Adam  
Oxygen Diradicals  
Seminar, Nagoya University  
Nagoya, Japan  
31. August 1977

130

W. Adam  
High-Energy Molecules  
Seminar, Tsukuba University  
Tsukuba, Japan  
2. September 1977

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W. Adam, A. Birke, C. Cadiz, S. Diaz, A. Rodriguez  
A Novel Synthesis of 1,2-Dioxolanes; Model Compounds for Prostaglandin Endoperoxides  
26th IUPAC Congress  
Tokyo, Japan  
4. September - 10. September 1977

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W. Adam, A. Birke, C. Cadiz, S. Diaz, H.J. Eggelte, A. Rodriguez  
Model Prostanoid Endoperoxides  
Fifth Pharmacology and Toxicology Seminar, NIH  
Washington, D.C.  
17. November - 18. November 1977

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W. Adam  
Chemienenergization of Electronically Excited States  
Seminar, National Institute of Arthritis, Metabolism and Diseases, NIH  
Bethesda, Maryland  
17. November 1977

134

W. Adam and I. Erden  
Singlet-Oxygen Adducts of Fulvenes and their Diimide Reduction  
9th Caribbean Chemical Conference  
San Juan, Puerto Rico  
8. December - 10. December 1977

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W. Adam, H.J. Eggelte, A. Rodriguez  
Singlet-Oxygen Adducts of Furans and their Diimide Reduction  
9th Caribbean Chemical Conference  
San Juan, Puerto Rico  
8. December - 10. December 1977

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W. Adam, O. Cueto, F. Yany

On the Mechanism of the Rubrene-Enhanced Chemiluminescence of  $\alpha$ -Peroxy-Lactones

9th Caribbean Chemical Conference

San Juan, Puerto Rico

8. December - 10. December 1977

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W. Adam, K. Sakanishi

Mercuric-Trifluoroacetate-Catalyzed Decomposition of Allylic Hydroperoxides. Evidence for a Mercury-Substituted 1,2-Dioxetane

9th Caribbean Chemical Conference

San Juan, Puerto Rico

8. December - 10. December 1977

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W. Adam, H.J. Eggelte

Prostanoid Endoperoxide Model Compounds: 2,3-Dioxabicyclo(2,2,1)heptane by Selective Diimide Reduction

9th Caribbean Chemical Conference

San Juan, Puerto Rico

8. December - 10. December 1977

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W. Adam, H.-H. Fick

Direct  $\alpha$ -Lithiation of Phenoxyacetic Acid and Electrophilic Substitution

9th Caribbean Chemical Conference

San Juan, Puerto Rico

8. December - 10. December 1977

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W. Adam, A. Birke, C. Cadiz, S. Diaz, A. Rodriguez

Prostanoid Endoperoxide Model Compounds: The Preparation of 1,2-Dioxolanes from Cyclopropanes

9th Caribbean Chemical Conference

San Juan, Puerto Rico

8. December - 10. December 1977

141

W. Adam, L.A. Arias Encarnacion, H.-H. Fick

Lithium  $\alpha$ -Lithio-Benzoyloxyacetate: A Convenient Synthesis of Benzyl Enol Ethers

9th Caribbean Chemical Conference

San Juan, Puerto Rico

8. December - 10. December 1977

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W. Adam, J. del Fierro

Synthesis of  $\alpha$ -Hydroperoxy Esters by Singlet Oxygenation of Ketene Acetals

9th Caribbean Chemical Conference

San Juan, Puerto Rico

8. December - 10. December 1977

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W. Adam, H.J. Eggelte, A. Rodriguez  
Synthesis of Bicyclic Ozonides as Prostanoid Endoperoxide Model Compounds  
6th Annual Xavier MBS Biomedical Symposium  
Atlanta, Georgia  
27. March 1978

144

W. Adam, J. del Fierro, F. Quiroz  
Synthesis of Phenyl  $\alpha$ -Hydroperoxy Carboxylates as Model Studies for Luciferin  
Bioluminescence  
6th Annual Xavier MBS Biomedical Symposium  
Atlanta, Georgia  
27. March 1978

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W. Adam  
Chemenergization of Electronic Excitation  
Graduate Seminar, University of Puerto Rico  
Mayagüez, Puerto Rico  
28. March 1978

146

W. Adam  
Chemenergization with High Energy Molecules  
Colloquium, California Institute of Technology  
Pasadena, California  
10. April 1978

147

W. Adam  
Bicyclic Peroxides  
Colloquium, University of Southern California  
Los Angeles, California  
11. April 1978

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W. Adam  
Oxygen Diradicals  
Colloquium, University of California  
Los Angeles, California  
13. April 1978

149

W. Adam  
Chemenergization with High-Energy Molecules  
Colloquium, University of Stanford  
Stanford, California  
14. April 1978

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W. Adam  
Chemi-Energization with High-Energy Molecules  
Colloquium, Oregon State University  
Corvallis, Oregon  
17. April 1978

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W. Adam  
Oxygen Diradicals  
Colloquium, University of Oregon  
Eugene, Oregon  
18. April 1978

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W. Adam  
Mechanism of Bioluminescence  
Colloquium, University of Idaho  
Moscow, Idaho  
19. April 1978

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W. Adam  
Oxygen Diradicals  
Colloquium, University of Idaho  
Moscow, Idaho  
20. April 1978

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W. Adam  
Bicyclic Peroxides  
Colloquium, University of Idaho  
Moscow, Idaho  
20. April 1978

155

W. Adam  
Chemiennergization with High Energy Molecules  
Colloquium, Washington State University  
Pullman, Washington  
21. April 1978

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W. Adam  
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Berlin, Germany

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Namur, Belgium

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Colloquium

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Stresa, Italy

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Freiburg, Germany

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Colloquium, Université de Lausanne

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21. September 1982

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Singlet Oxygenations: Synthetic and Mechanistic Applications

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Colloquium, Universidad Autonoma de Barcelona

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Colloquium, University of Padova

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Laser-Photochemie: Mit Kanonen auf Spatzen schießen ?

Colloquium, Techn. Hochschule Aachen

Aachen, Germany

10. January 1984

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W. Adam

Singulett-Sauerstoff: Mechanistische Aspekte und synthetische Anwendungen

Colloquium, Hoffmann-La Roche

Basel, Switzerland

2. April 1984

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W. Adam

Singulett-Sauerstoff: Das "enfant terrible" unter Molekülen

Colloquium, Universität Bonn

Bonn, Germany

11. April 1984

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W. Adam

Biomedizinische Anwendungen von Dioxetanen und Singulett-Sauerstoff

Colloquium, Mechanismen toxischer Wirkung von Fremdstoffen über angeregte

Sauerstoffspezies

Rottach-Egern, Germany

27. April 1984

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W. Adam

Laserchemie: Mit Kanonen auf Spatzen schießen ?

Colloquium, Universität Mainz

Mainz, Germany

24. May 1984

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W. Adam

Singulett-Sauerstoff: Das "enfant terrible" unter Molekülen

Colloquium, Universität Stuttgart

Stuttgart, Germany

14. June 1984

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W. Adam

Dioxetane als Photoäquivalente

Colloquium, Universität Bremen

Bremen, Germany

18. June 1984

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W. Adam, W. Haas, G. Sieker

Thianthrene-5-Oxide as Mechanistic Probe in Oxygen Transfer Reactions: The Case of Carbonyl Oxides *versus* Dioxiranes

International Symposium on Activation of Dioxygen Species and Homogeneous Catalytic Oxidations

Calzignano, Italy

24. June - 27. June 1984

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W. Adam

Singlet Oxygen: Generation, Detection, Reactions and Biological Consequences

Colloquium, Universität Mainz

Mainz, Germany

13. July 1984

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A. Berkessel, W. Adam

The Photochemistry of the Divinyl Ethers 1,1-iOxydi-2,2-diphenylethene and 1,1-iOxydi-2-methyl-1-propene in Solution

Xth IUPAC Symposium on Photochemistry

Interlaken, Switzerland

22. July - 27. July 1984

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K. Hannemann, W. Adam, R.M. Wilson

UV-Laser Photochemistry: Oxygen Trapping and Lifetimes of Triplet Diradicals Derived from Azoalkanes

Xth IUPAC Symposium on Photochemistry

Interlaken, Switzerland

22. July - 27. July 1984

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W. Adam, W.J. Baader, C. Babatsikos, E. Schmidt  
Four-Membered-Ring Peroxide Heterocycles: Photochemistry through the Backdoor  
10th European Colloquium on Heterocyclic Chemistry  
Kaiserslautern, Germany  
1. October - 3. October 1984

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W. Adam  
Chemical Generation of Excited States  
50th Anniversary Celebration, University of Sao Paulo  
Sao Paulo, Brazil  
15. October 1984

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W. Adam  
The Many Faces of Singlet Oxygen  
16th Latin American Congress  
Rio de Janeiro, Brazil  
14. October - 19. October 1984

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W. Baader, W. Adam  
The Effects of Methylation on the Thermal Stability and Chemiluminescence Properties of 1,2-Dioxetanes  
Latin American Congress  
Rio de Janeiro, Brazil  
15. October 1984

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W. Adam  
Singulett-Sauerstoff: Das "enfant terrible" unter den Molekülen  
Colloquium, Bayer AG  
Uerdingen, Germany  
15. November 1984

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W. Adam  
Präparative Laserphotochemie: Nachweis und Lebenszeiten von Diradikalen  
Colloquium, Universität Siegen  
Siegen, Germany  
29. January 1985

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W. Adam  
Singulett-Sauerstoff - Ein ungewöhnliches Molekül  
Colloquium, Universität Kiel  
Kiel, Germany  
7. February 1985

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W. Adam  
Photo-Equivalents: Chemical, Biological and Physical Aspects  
Colloquium, University of Bari  
Bari, Italy  
2. April 1985

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W. Adam

How are Oxygen Atoms Transferred?

Colloquium, University of Bari

Bari, Italy

3. April 1985

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W. Adam

Photo-Equivalents: Chemical, Biological and Physical Aspects

Colloquium, University of Catania

Catania, Italy

11. April 1985

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How are Oxygen Atoms Transferred?

Colloquium, University of Catania

Catania, Italy

12. April 1985

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R.M. Wilson, K. Hannemann, J. Scharold, W. Adam

Trapping of Carbonyl Photointermediates

17th ACS Central Regional Meeting

Akron, Ohio

5. June - 7. June 1985

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W. Adam

The Mechanism of Oxygen Transfer

Colloquium, University of Miami

Miami, Florida, USA

7. June 1985

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W. Adam, S. Grabowski, K. Hannemann, P. Hössel, H. Platsch, R.M. Wilson

Laser-Photochemical Generation of Diradicals

Gordon Research Conference

Holderness, New Hampshire

10. June - 14. June 1985

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A. Berkessel, W. Adam

On the Search for the 3-ODPM Rearrangement

Gordon Research Conference

Holderness, New Hampshire

10. June - 14. June 1985

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Lifetimes of Diradicals

Colloquium, University of Cincinnati

Cincinnati, Ohio

14. June 1985

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W. Adam, S. Grabowski, K. Hannemann, P. Hössel, U. Kliem, H. Platsch, R.M. Wilson  
The Laser as Preparative Tool in Photochemistry  
München, Germany  
1. July 1985

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W. Adam  
Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine  
Colloquium, University of Tohoku  
Sendai, Japan  
20. August 1985

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Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine  
Colloquium, KAO Industries  
Utsunomia, Japan  
21. August 1985

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Four-Membered-Ring Cyclic Peroxides as Photo-Equivalents  
Colloquium, University of Tokyo  
Tokyo, Japan  
23. August 1985

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Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine  
Colloquium, University of Kyoto  
Kyoto, Japan  
26. August 1985

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UV-Laser Photochemistry: Generation, Detection and Lifetimes of Triplet Diradicals  
Colloquium, University of Kyushu  
Fukuoka, Japan  
29. August 1985

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Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine  
Colloquium, University of Hiroshima  
Hiroshima, Japan  
31. August 1985

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W. Adam  
Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine  
Colloquium, University of Nagoya  
Nagoya, Japan  
2. September 1985

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Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine  
Colloquium, Sagami Chemical Research Center Shin-Yokohama  
Yokohama, Japan  
3. September 1985

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Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine  
Colloquium, Nisso Company  
Odawara, Japan  
4. September 1985

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Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine  
Colloquium, University of Tsukuba  
Tsukuba, Japan  
6. September 1985

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UV-Laser Photochemistry: Generation, Detection and Lifetimes of Triplet Diradicals  
Colloquium, National Taiwan University  
Taipei, Taiwan  
9. September 1985

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Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine  
Colloquium, Academia Sinica  
Taipei, Taiwan  
9. September 1985

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How are Oxygen Atoms Transferred  
First Pan-American Chemical Congress  
San Juan, Puerto Rico  
13. October - 19. October 1985

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A. Berkessel, W. Adam

The 3-Oxadi-p-methane Rearrangement: Photochemistry of Divinyl Ethers and Independent  
Generation of Oxiranyldicarbonyl Diradicals  
First Pan-American Chemical Congress  
San Juan, Puerto Rico  
13. October - 19. October 1985

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P. Hössel, S. Grabowski, W. Adam, R.M. Wilson

Laserphotochemie von Azoalkanen - Lebensdauerbestimmung von Triplett-diradikalen  
Tagung der GDCh-Fachgruppe Photochemie  
Siegen, Germany  
20. November - 22. November 1985

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A.G. Griesbeck, W. Adam

Regioselektive Photooxygenierung von Derivaten  $\alpha,\beta$ -ungesättigter Carbonsäuren

Tagung der GDCh-Fachgruppe Photochemie

Siegen, Germany

20. November - 22. November 1985

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W. Adam

Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine

Colloquium, The Technical University of Denmark

Lyngby, Denmark

18. February 1986

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W. Adam

Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine

Colloquium, Odense University

Odense, Denmark

19. February 1986

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W. Adam

Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine

Colloquium, Aarhus University

Aarhus, Denmark

20. February 1986

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Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine

Colloquium, University of Lund

Lund, Sweden

21. February 1986

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B. Epe, P. Mützel, W. Adam, A.G. Griesbeck, R. Fuchs

UV-Analogous DNA Damage by 1,2-Dioxetanes

Tagung der Deutschen Pharmakologischen Gesellschaft

Mainz, Germany

11. March - 15. March 1986

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W. Adam

Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine

Colloquium, University of New Orleans

New Orleans, Louisiana

27. March 1986

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W. Adam

Singlet Oxygen: A Mechanistic Challenge, but a Synthetic Gold Mine

Colloquium, University of Cincinnati

Cincinnati, Ohio

3. April 1986

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W. Adam

Singlet Oxygen in the Wonderland of Organic Synthesis

9th National Conference of Organic Chemistry

Adelaide, Australia

11. May 1986

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W. Adam

Synthesis of Functionalized Dioxetanes for Biomedical Testing

The Australian National University

Canberra, Australia

19. May 1986

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W. Adam

UV Laserchemistry: Generation, Detection and Lifetimes of Triplet Diradicals

University of Sidney

Sidney, Australia

21. May 1986

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What is New in Azochemistry?

University of Queensland

Brisbane, Australia

22. May 1986

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UV Laserchemistry: Generation, Detection and Lifetimes of Triplet Diradicals

University of Queensland

Brisbane, Australia

23. May 1986

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How are Oxygen Atoms Transferred?

James-Cook University of North Queensland

Townsville, Australia

27. May 1986

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W. Adam

Singulett-Sauerstoff: Eine Goldgrube für die präparative Chemie

Universität Bielefeld

Bielefeld, Germany

10. July 1986

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R.M. Wilson, K. Hannemann, W. Adam

The Argon Laser Jet: A Versatile Technique for the Study of High Intensity Photochemistry

11. IUPAC Symposium on Photochemistry

Lisbon, Portugal

27. July - 1. August 1986

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W. Adam, A. Beinhauer, B. Epe, R. Fuchs, A. Griesbeck, H. Hauer, P. Mützel, L. N  
Genotoxic Effects of 1,2-Dioxetanes  
First Joint SFB Toxicology Meeting  
Mainz, Germany  
15. September 1986

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W. Adam  
Transition-Metal-Catalyzed Oxygen Functionalization of Olefins with Singlet Oxygen  
Colloquium, BASF  
Ludwigshafen, Germany  
15. September 1986

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W. Adam  
Dioxetanes as Photochemical Equivalents  
Universität Fribourg  
Fribourg, Switzerland  
22. September 1986

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Chemical Generation of Excited States  
Universität Fribourg  
Fribourg, Switzerland  
23. September 1986

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Biological Generation of Excited States  
Universität Fribourg  
Fribourg, Switzerland  
24. September 1986

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W. Adam  
Singlet Oxygen: A Mechanistic Challenge  
Ecole Polytechnique Fédérale de Lausanne Eculems  
Lausanne, Switzerland  
25. September 1986

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W. Adam  
Laser Photochemical Generation of Triplet Diradicals, their Detection and Lifetimes  
Ecole Polytechnique Federale de Lausanne Eculems  
Lausanne, Switzerland  
26. September 1986

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W. Adam, S. Grabowski, P. Hössel  
Laserphotochemie von Azoalkanen - Lebensdauerbestimmung von Triplettdiradikalen  
2nd Postgraduate Symposium on Photochemistry  
Mülheim, Germany  
7. October - 9. October 1986

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W. Adam, G. Zang

185nm-Photolyse von spirocyclopropan-substituierten Azoalkanen. Produktbildung über 1,3-Diradikale und Carbene

2nd European Postgraduate Symposium on Photochemistry

Mülheim, Germany

7. October - 9. October 1986

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R.M. Wilson, K. Hannemann, W. Adam

The Argon Laser Jet: A Versatile Technique for the Study of High Intensity Photochemistry

2nd European Postgraduate Symposium on Photochemistry

Mülheim, Germany

7. October - 9. October 1986

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W. Adam

Experimental Organic Courses - The German System of Chemistry Teaching: Success and Failures

Colloquium, Interamerican University, Metropolitan Campus

San Juan, Puerto Rico

4. December 1986

365

W. Adam, S. Grabowski, K. Hannemann, Peter Hössel, H. Platsch, R.M. Wilson, J. W

LASER PHOTOCHEMISTRY: The Diradical Connection

10th Senior Technical Meeting, ACS Puerto Rico Section

Aguadilla, Puerto Rico, USA

5. December - 7. December 1986

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W. Adam

1,2-DIOXETANE: Physikalische, chemische und biologische Aspekte der Chemilumineszenz von viergliedrigen cyclischen Peroxiden

Colloquium, University of Dresden

Dresden, Germany

2. February 1987

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W. Adam

1,2-DIOXETANE: Physikalische, chemische und biologische Aspekte der Chemilumineszenz von viergliedrigen cyclischen Peroxiden

Colloquium, University of Leipzig

Leipzig, Germany

3. February 1987

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W. Adam

1,2-DIOXETANE: Physikalische, chemische und biologische Aspekte der Chemilumineszenz von viergliedrigen cyclischen Peroxiden

Colloquium, University of Halle

Halle, Germany

4. February 1987

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W. Adam

Übergangsmetall-katalysierte Sauerstoff-Funktionalisierung von Olefinen mit Singulett-Sauerstoff

Chemiedozententagung 1987

Magdeburg, Germany

6. February 1987

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W. Adam

LASERPHOTOCHEMISTRY: Generation, Detection and Lifetimes of Triplet Diradicals

University of Strathclyde

Glasgow, UK

9. March 1987

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LASERPHOTOCHEMISTRY: Generation, Detection and Lifetimes of Triplet Diradicals

Colloquium, The University of Leeds

Leeds, UK

10. March 1987

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LASERPHOTOCHEMISTRY: Generation, Detection and Lifetimes of Triplet Diradicals

Colloquium, University College London

London, England

11. March 1987

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LASERPHOTOCHEMISTRY: Generation, Detection and Lifetimes of Triplet Diradicals

Colloquium, University of Oxford

Oxford, UK

12. March 1987

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W. Adam

LASERPHOTOCHEMISTRY: Generation, Detection and Lifetimes of Triplet Diradicals

Colloquium, University of Cambridge

Cambridge, UK

13. March 1987

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W. Adam, L.H. Catalani, A.G. Griesbeck

Trialkylsilyl Protecting Groups in the Synthesis of  $\alpha$ -Hydroperoxy Carbonyl Compounds

Eighth International Symposium on Organosilicon Chemistry

St. Louis, USA

7. June - 12. June 1987

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W. Adam

LASERPHOTOCHEMISTRY: Generation, Detection and Lifetimes of Triplet Diradicals

Colloquium, Emory University

Atlanta, Georgia

16. June 1987

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W. Adam

Singulett-Sauerstoff: Neue Erkenntnisse und Anwendungen in der Organischen Chemie

Colloquium, Fa. Degussa AG

Hanau, Germany

3. September 1987

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S. Grabowski, W. Adam

Laserphotochemie von Azoalkanen - Untersuchung des Konformationseinflusses auf die Lebensdauer von Triplett-1,4-Diradikalen

10. Vortragstagung der GDCh-Fachgruppe Photochemie

Würzburg, Germany

18. November - 20. November 1987

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U. Burkhardt, W. Adam, M.A. Miranda

Neuartige Photochemische Elektronentransfer-Reaktionen mit Polyoxometallaten zur Bildung von Radikal-Kationen aus cyclischen Azoalkanen

10. Vortragstagung der GDCh-Fachgruppe Photochemie

Würzburg, Germany

18. November - 20. November 1987

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H. Platsch, P. Hössel, W. Adam

UV-LASER PHOTOCHEMIE: Strukturelle Einflüsse auf die Lebensdauer von 1,3-Diradikalen

10. Vortragstagung der GDCh-Fachgruppe Photochemie

Würzburg, Germany

18. November - 20. November 1987

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W. Adam

Laser Photochemie: Mit Kanonen auf Spatzen schießen ?

Colloquium, Universität Oldenburg

Oldenburg, Germany

26. November 1987

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W. Adam

Licht, Sauerstoff und Leben

Studium Generale, Colloquium, Universität Würzburg

Würzburg, Germany

14. December 1987

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W. Adam

Singulett-Sauerstoff als synthetisches Werkzeug - Übergangsmetallaktivierter Sauerstofftransfer

Colloquium, Universität Basel

Basel, Switzerland

25. April 1988

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Singulett-Sauerstoff als synthetisches Werkzeug - Übergangsmetallaktivierter Sauerstofftransfer

Colloquium, Universität Zürich

Zürich, Switzerland

27. April 1988

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W. Adam

Singlet Oxygen as Synthetic Tool: Transition-Metal-Catalysed Functionalization of Olefins

Colloquium, University of Sassari

Sassari, Italy

2. June 1988

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F. Vargass, W. Adam, B. Epe, D. Schiffmann, D. Wild

Photobiological Model Studies with 1,2-Dioxetanes: Competing Deactivation (Reduction, Oxygen Transfer, Dark Catalysis) with Biologically Significant Substrates by Electron Transfer

Belgian Society for the Study of Oxygen Metabolism

Ghent, Belgium

June 1988

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H. Platsch, W. Adam, K. Hannemann, J. Wirz

UV-Laser-Photochemistry: Generation and Lifetime of Phenyl-Substituted 1,3-Cyclopentadiyl Triplets

Proceedings of the XII IUPAC Symposium on Photochemistry

Bologna, Italy

17. July - 22. July 1988

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F. Vargass, L. Hasemann, W. Adam, B. Epe, D. Schiffmann, D. Wild

Single Electron Transfer (SET) Leading to Radical Species in the Redox Reactions of Cyclic Peroxides with Biological Substrates

5th International Symposium on Organic Free Radicals

Zürich, Switzerland

18. September - 23. September 1988

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W. Adam (Organizer)

Minisymposium on "Free Radicals in Biological Systems", 5th International Symposium on Organic Free Radicals

Zürich, Switzerland

18. September - 23. September 1988

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W. Adam

UV/VIS-Laser Chemistry: Generation, Detection and Lifetimes of Triplet Diradicals

Colloquium, Vanderbilt University

Nashville, Tennessee, USA

27. September 1988

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W. Adam

Oxygen Trapping and Lifetime Determination of Triplet Diradicals Generated by Laser Photolysis of Azoalkanes

Symposium, Bowling Green State University

Bowling Green, Ohio, USA

1. October 1988

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W. Adam

Transition-Metal-Catalyzed Oxygen Functionalization with Singlet Oxygen

Colloquium, University of Notre Dame

South Bend, Indiana, USA

3. October 1988

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W. Adam

UV-VIS LASERCHEMIE: Nachweis und Lebenszeiten von Triplett-diradikalen

Colloquium, University of Freiburg

Freiburg, Germany

28. November 1988

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W. Adam

Dioxetanes: On the Search for Photogenotoxicity

2nd IAPS Winter Conference

Clearwater Beach, Florida

3. January - 7. January 1989

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W. Adam

Dioxetanes: On the Search for Photogenotoxicity

University of Miami, Florida

Miami, Florida, USA

9. January 1989

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Dioxetanes: On the Search for Photogenotoxicity

Autonomous University of Mexico

Mexico City, Mexico

11. January 1989

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Singulett-Sauerstoff: Übergangsmetall-katalysierte Sauerstofffunktionalisierung

Colloquium, TH Darmstadt

Darmstadt, Germany

10. February 1989

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L. Hasemann, W. Adam

$\alpha$ -Methylen- $\beta$ -peroxylactone - Wege zu neuen Synthesebausteinen

Hoechst AG Werk Kalle

Wiesbaden, Germany

25. April 1989

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T. Mosandl, W. Adam  
Photobiologische Modellstudien an 1,2-Dioxetanen  
Hoechst AG Werk Kalle  
Wiesbaden, Germany  
25. April 1989

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H. Platsch, W. Adam  
Laser-Photochemie: Erzeugung, Nachweis und Lebensdauern von Triplett-diradikalen  
Hoechst AG Werk Kalle  
Wiesbaden, Germany  
25. April 1989

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W. Adam, A.G. Griesbeck, L. Hasemann, P. Lupon, L. Paquato, E. Staab  
Photooxygenation as Synthetic Tool: Oxygen Functionalization through the Ene Reaction  
International Symposium on Photochemistry in Synthesis and Catalysis  
Ferrara, Italy  
6. June - 8. June 1989

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R. Finzel, W. Adam  
UV-Laser-Photochemie: Direct and Benzophenone-Sensitized Photolysis of  $\delta^3$ -1,3,4-Oxadiazolines  
International Symposium on Photochemistry in Synthesis and Catalysis  
Ferrara, Italy  
6. June - 8. June 1989

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W. Adam  
Oxygen Functionalization by Transition-Metal-Catalyzed Photooxygenation  
Colloquium, University of Bari  
Bari, Italy  
16. June 1989

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W. Adam  
Singlet Oxygen in Organic Synthesis  
Three Lectures, School of Organic Chemistry of the Italian Chemical Society  
Gargnano, Italy  
19. June - 23. June 1989

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W. Adam, A. Beinhauer, T. Mosandl, C.R. Saha-Möller, F. Vargas, B. Epe, E. Müller  
Progress in the Search for Genotoxic Dioxetanes  
Joint Symposium of the Sonderforschungsbereiche 172 and 302  
Würzburg, Germany  
26. June - 28. June 1989

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W. Adam

Endogenous Photochemistry

Light and Pharmaceutical Chemistry, Summer School on Photochemistry of the European Photochemistry Association

Spiez, Switzerland

30. July - 5. August 1989

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X. Wang, W. Adam

A Novel Geometrical Isomerization of Ketene Silyl Acetals and Photooxygenation of (E)- and (Z)-Ketene Silyl Acetals

Zweite Jahrestagung der Gesellschaft Chinesischer Chemiker und Chemieingenieure

Bonn, Germany

25. August - 27. August 1989

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T. Mosandl, W. Adam

Photobinding of Psoralen to DNA by Triplet Ketones Generated Thermally from Dioxetanes

Third Congress of European Society for Photobiology, Hungarian Biophysical Society

Budapest, Hungary

27. August - 2. September 1989

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W. Adam

Photobiological DNA Studies with Dioxetanes in the Dark

6. Gentner Symposium on Chemistry

Rehovot and Eilat, Israel

24. September - 27. September 1989

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L. Hasemann, W. Adam

$\alpha$ -Methylen- $\beta$ -lactones: A Novel Heterocycle Serving as a Potential "Baustein" for Organic Synthesis

6. Gentner Symposium on Chemistry

Rehovot and Eilat, Israel

24. September - 27. September 1989

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Photobinding of Psoralen to DNA by Triplet Ketones Generated Thermally from Dioxetanes

6. Gentner Symposium on Chemistry

Rehovot and Eilat, Israel

24. September - 27. September 1989

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W. Adam

Lifetimes of Localized Triplet Diradicals

Lecture, National Research Council, Division of Chemistry

Ottawa, Canada

6. October 1989

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W. Adam

Oxygen, Light and Life

University Distinguished Visitor Program, University of Alberta, Department of Chemistry  
Edmonton, Canada

8. October - 20. October 1989

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W. Adam

1,2-Dioxetanes: On the Search for Photo-Genotoxicity

University Distinguished Visitor Program, University of Alberta, Department of Chemistry  
Edmonton, Canada

8. October - 20. October 1989

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W. Adam

Singlet Oxygen: Transition-Metal-Catalyzed Oxyfunctionalization of Olefins

University Distinguished Visitor Program, University of Alberta, Department of Chemistry  
Edmonton, Canada

8. October - 20. October 1989

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Laser Photochemistry: The Generation and Lifetimes of Localized Triplet Diradicals

University Distinguished Visitor Program, University of Alberta, Department of Chemistry  
Edmonton, Canada

8. October - 20. October 1989

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W. Adam

Singlet Oxygen: Transition-Metal-Catalyzed Oxyfunctionalization of Olefins

Lecture, University of British Columbia

Vancouver, Canada

13. October 1989

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W. Adam

Sauerstoff-Transfer mit Singulett-Sauerstoff: Anwendungen in der Synthese

Lecture, Henkel KG

Düsseldorf, Germany

6. November 1989

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W. Adam

Oxyfunktionalisierung mit aktiven Sauerstoffspezies

Lecture, Akademie der Wissenschaften der DDR, Zentralinstitut für Organische Chemie

Berlin, Germany

13. November 1989

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W. Adam

Oxyfunktionalisierung mit aktiven Sauerstoffspezies

Lecture, TH Carl Schorlemmer

Leuna-Merseburg, Germany

13. November 1989

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W. Adam

Laser-Photochemie: Erzeugung und Lebensdauern von Triplett-Diradikalen

Lecture, TH Carl Schorlemmer

Leuna-Merseburg, Germany

13. November 1989

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W. Adam

1,2-Dioxetanes: Auf der Suche nach Photo-Gentoxizität

Lecture, TH Carl Schorlemmer

Leuna-Merseburg, Germany

14. November 1989

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B. Epe, E. Müller, W. Adam

DNA Modifications Induced by Photosensitizers and Singlet Oxygen are Recognized by Specific Repair Endonucleases

International Symposium on Mechanisms of Tissue Specific Toxicity, Institut für Toxikologie

Würzburg, Germany

19. November - 21. November 1989

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C.R. Saha-Möller, T. Mosandl, W. Adam, B. Epe, D. Schiffmann, D. Wild

Photobiological Activity of Dioxetanes

11. Vortragstagung der Fachgruppe Photochemie der GDCh

Duisburg, Germany

22. November - 24. November 1989

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R. Finzel, W. Adam

UV-Laser-Photochemie: Cyclopropylcarbonyl-Umlagerung und Dimerisierung des  $\alpha$ -Cyclopropyl-trimethylen-methandiradikals

11. Vortragstagung der Fachgruppe Photochemie der GDCh

Duisburg, Germany

22. November - 24. November 1989

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H. Platsch, W. Adam

Sauerstoff-Abfangreaktion und Thermochemie des Singulett-Diradikals 1,3-Diphenyl-1,3-cyclopentadiyl

11. Vortragstagung der Fachgruppe Photochemie der GDCh

Duisburg, Germany

22. November - 24. November 1989

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W. Adam

Photobiological DNA Studies with Dioxetanes in the Dark

Lecture, Universidade Federal de Santa Catarina

Florianopolis, Brazil

2. March 1990

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W. Adam

Photobiological DNA Studies with Dioxetanes in the Dark

ICRO-UNESCO Training Course Oxygen Toxicity: Biochemistry, Physiology and Pathology

Buenos Aires, Argentina

5. March 1990

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W. Adam

UV-VIS-Laser-Photochemie: Werkzeug zur Generierung von Hochspin-Systemen organischer Moleküle

28. Tutzing-Symposium der Dechema, Chemische Grundlagenforschung für die Informationstechnologie

Tutzing, Germany

12. March - 15. March 1990

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W. Adam

Oxyfunctionalization with Active Oxygen Species

Lecture, Universidad Politécnica de Valencia, Departamento de Química

Valencia, Spain

9. April 1990

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W. Adam

Photobiological Genotoxicity Studies with Dioxetanes in the Dark

Universidad de Valencia, Departamento de Química Orgánica, Facultad de Farmacia

Valencia, Spain

10. April 1990

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W. Adam

Laser Photochemistry: Generation, Detection and Lifetimes of Triplet Diradicals

Colloquium, Central Research Institute for Chemistry of the Hungarian Academy of Sciences

Budapest, Hungary

12. July 1990

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W. Adam

Oxyfunctionalizations with Dioxiranes

Colloquium, Department of Chemistry, University of Debrecen

Debrecen, Hungary

13. July 1990

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R. Finzel, W. Adam

Synthesis, Thermolysis and Photolysis of the Bis-Azoalkane 3,4,9,10-Tetraazatetracyclo-[6.2.11,8.12,5.02,7]-3,9-dodecadien

XIIIth IUPAC Symposium on Photochemistry, Poster, University of Warwick

Coventry, England

22. July - 28. July 1990

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H. Walter, W. Adam

Photosensitized ( $\lambda > 400$  nm) Single-Electron-Transfer Chemistry of Azoalkanes: 1,4-Dimethyl-2,3-diazabicyclo[2.2.1]hept-2-ene as Model System

XIIIth IUPAC Symposium on Photochemistry, Poster, University of Warwick

Coventry, England

22. July - 28. July 1990

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X. Wang, W. Adam

Photooxygenation of (E)- and (Z)-Ketene Silyl Acetals

XIIIth IUPAC Symposium on Photochemistry, Poster, University of Warwick

Coventry, England

22. July - 28. July 1990

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S. Bottle, W. Adam

Nitroxide 1,3 Diradical Scavenging

XIIIth IUPAC Symposium on Photochemistry, Poster, University of Warwick

Coventry, England

22. July - 28. July 1990

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W. Adam

Oxygenfunctionalizations with Dioxiranes

Colloquium, Institute of Organic Chemistry, University of Munich

München, Germany

23. July 1990

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W. Adam, L. Hadjiarapoglou, R. Mello, B. Nestler, F. Prechtl

Oxyfunctionalization with Dioxiranes

Colloquium, Department of Chemistry, University of Indonesia

Jakarta, Indonesia

2. October 1990

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W. Adam, L. Hadjiarapoglou, R. Mello, B. Nestler, F. Prechtl, X. Wang

Oxyfunctionalization with Dioxiranes

Colloquium, Indonesian Chemical Society

Bandung, Indonesia

3. October 1990

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W. Adam

Modern Trends in Applied Research

Panel Discussion, Institute of Technology

Surabaya, Indonesia

4. October 1990

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W. Adam, S. Grabowski, K. Hannemann, P. Hössel, U. Kliem, H. Platsch, J. Sendelbach

Laser Photochemistry: Generation, Detection, and Lifetimes of Triplet Diradicals

Colloquium, Academia Sinica, Institute of Photographic Sciences

Beijing, China

9. October 1990

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W. Adam, L. Hadjiarapoglou, R. Mello, B. Nestler, F. Prechtel, X. Wang  
Oxyfunctionalizations with Dioxiranes  
Colloquium, Academia Sinica, Institute of Organic Chemistry  
Shanghai, China  
8. October 1990

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W. Adam, A.G. Griesbeck, L. Hasemann, P. Lupon, L. Pasquato, M. Richter, E. St  
Transition-Metal-Catalyzed Oxyfunctionalization by Means of the Singlet-Oxygen Ene Reaction  
Colloquium, Academia Sinica, Institute of Photographic Science  
Beijing, China  
10. October 1990

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W. Adam, S. Grabowski, K. Hannemann, P. Hössel, U. Kliem, H. Platsch, J. Sendelbach  
Laser Photochemistry: Generation, Detection, and Lifetimes of Triplet Diradicals  
Colloquium, Institute of Chemical Physics  
Dalian, China  
12. October 1990

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W. Adam, L. Hadjiarapoglou, L. Hasemann, P. Lupon, L. Pasquato  
Oxyfunctionalizations with Singlet Oxygen and Dioxiranes  
Colloquium, Academia Sinica, Institute of Chemical Physics  
Dalian, China  
12. October 1990

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W. Adam, L. Hadjiarapoglou  
Dioxiranes: Oxygen Transfer Chemistry Made Easy  
Plenary Lecture, 10th Symposium on Fundamental Organic Chemistry, 21th Symposium on  
Structural Organic Chemistry, and 40th Symposium on Organic Reactions, Japan  
Tsukuba, Japan  
17. October - 19. October 1990

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W. Adam, S. Grabowski, K. Hannemann, P. Hössel, U. Kliem, H. Platsch, J. Sendelbach  
Laser Photochemistry: Generation, Detection, and Lifetimes of Triplet Diradicals  
Colloquium, Department of Organic Chemistry, University of Tsukuba  
Tsukuba, Japan  
20. October 1990

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W. Adam  
Oxygen, Light and Life  
University Symposium on the Evolution of Materials, Plenary Lecture, University of Tsukuba  
Tsukuba, Japan  
22. October 1990

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W. Adam, S. Grabowski, K. Hannemann, P. Hössel, U. Kliem, H. Platsch, J. Sendelbach  
Laser Photochemistry: Generation, Detection, and Lifetimes of Triplet Diradicals  
Colloquium, Institute of Chemistry, Academia Sinica  
Taipei, Taiwan  
23. October 1990

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W. Adam, L. Hadjiarapoglou, L. Hasemann, P. Lupon, L. Pasquato  
Oxyfunctionalizations with Singlet Oxygen and Dioxiranes  
Colloquium, Department of Chemistry, National Tsing Hua University  
Hsinchu, Taiwan  
24. October 1990

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W. Adam, T. Mosandl, C.R. Saha-Möller, F. Vargas  
Photolytic, Peroxidic, and Epoxidic Damage of DNA by 1,2 Dioxetanes  
Colloquium, Department of Chemistry, National Taiwan University  
Taipei, Taiwan  
25. October 1990

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W. Adam  
Dioxiranes: Oxidation Chemistry Made Easy  
Colloquium, Technical University of Sofia, Small-Scale Organic Products Laboratory  
Sofia, Bulgaria  
20. November 1990

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W. Adam  
Photooxygenation as a Convenient and Efficient Method in Synthesis  
Colloquium, Technical University of Sofia, Small-Scale Organic Products Laboratory  
Sofia, Bulgaria  
21. November 1990

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W. Adam  
Transition-Metal-Catalyzed Oxyfunctionalization by Means of the Singlet Oxygen Ene Reaction  
Colloquium, Technical University of Sofia, Small-Scale Organic Products Laboratory  
Sofia, Bulgaria  
22. November 1990

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Dimethyldioxirane, the Miracle Oxidant  
Colloquium, Hoechst AG  
Wiesbaden, Germany  
28. November 1990

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W. Adam, R. Finzel, H. Platsch, R. Schulte Oestrich, J. Sendelbach  
Nicht-konjugierte cyclische Diyle: Erzeugung, Nachweis, Lebensdauer und Flüssigkeitsfaden-  
Experimente  
Plenary Lecture, Symposium über Organische Radikale und Radikationen - Präparative und  
mechanistische Aspekte  
Oldenburg, Germany  
28. February - 3. March 1991

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W. Adam, R. Finzel, H. Platsch, G. Reinhard, J. Sendelbach, J. Wirz  
Laser Photochemistry: Lifetimes of Triplet Diradicals as Intersystem-Crossing Probes  
Plenary Lecture, 8th Conference on Physical Organic Chemistry  
Florianopolis, Brazil  
1. April - 5. April 1991

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W. Adam, L. Hadjiarapoglou  
Dioxiranes: Oxygen-Transfer Chemistry Made Easy  
Lecture, Universidade Federal de Bahia  
Salvador de Bahia, Brazil  
7. April 1991

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W. Adam  
Dioxetanes as Photobiological Probes in Genotoxicity  
Sao Paulo, Brazil  
8. April 1991

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W. Adam  
Dioxiranes: Oxidation Chemistry Made Easy  
Plenary Lecture, ORPEC1991 Symposium on Organic Peroxide Chemistry  
München, Germany  
28. April - 30. April 1991

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C. R. Saha-Möller, W. Adam, A. Beinhauer, B. Epe, T. Mosandl, E. Müller, D. Schi  
Photobiological Studies with 1,2-Dioxetanes in Isolated DNA and Bacteria  
Poster, 19th Annual Meeting of American Society for Photobiology  
San Antonio, Texas, USA  
22. June - 26. June 1991

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R. Finzel, W. Adam  
Two-Photon Chemistry of Azoalkanes in the Laser Jet: Photochemical Transformations of 1,3-  
Cyclopentadiyl Triplet Diradicals by Triplet Benzophenone  
Poster, XVth International Conference on Photochemistry  
Paris, France  
28. July - 2. August 1991

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R. Schulte Oestrich, W. Adam  
Generation and Transformation of Excited Hydroxydiphenylmethyl Radicals in the  
Benzophenone-Ethanol System  
Poster, XVth International Conference on Photochemistry  
Paris, France  
28. July - 2. August 1991

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J. Sendelbach, W. Adam

Photoinduced Electron-Transfer Chemistry of Azoalkanes: Generation of 1,3-Cyclopentadiyl Radical Cations and their Transformations

Poster, XVth International Conference on Photochemistry

Paris, France

28. July - 2. August 1991

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W. Adam, A.G. Griesbeck

Facets of Photooxygenation Chemistry: Radical Reactions, Energy Transfer and Electronic Transfer

Summer School Lectures, 21eme Seminaire D'Automne en Chimie Organique

Champéry, Switzerland

8. September - 13. September 1991

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W. Adam, A.G. Griesbeck, L. Hasemann, P. Klug, B. Nestler, M. Richter, X. Wang

Selective Oxygen Transfer I: Singlet Oxygen

Poster I, SFB-347 Symposium

Würzburg, Germany

18. September - 20. September 1991

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W. Adam, L. Hadjiarapoglou, R. Mello, F. Prechtel, C.R. Saha-Möller, M. Sauter,

Selective Oxygen Transfer II: Dioxiranes

Poster II, SFB-347 Symposium

Würzburg, Germany

18. September - 20. September 1991

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W. Adam, L. Hadjiarapoglou

Problems with Oxidations? Try Dioxiranes!

Plenary Lecture, 2nd Panamerican Chemical Congress

San Juan, Puerto Rico

24. September - 29. September 1991

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W. Adam, R. Finzel, R. Schulte Oestrich

Two-Photon Chemistry in the Laser Jet

Colloquium, University of Puerto Rico

Rio Piedras, Puerto Rico

30. September 1991

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W. Adam, A.G. Griesbeck

Facets of Photooxygenation Chemistry: Radical Reactions, Energy Transfer and Electron Transfer Lectures, Universidad Politecnica de Valencia

Valencia, Spain

14. October - 18. October 1991

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W. Adam, R. Finzel, R. Schulte Oestrich  
Two-Photon Chemistry in the Laser-Jet  
Colloquium, Universidad Politecnica de Valencia  
Valencia, Spain  
19. October 1991

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W. Adam, B. Nestler, C.R. Saha-Möller, M. Sauter  
Oxidation Chemistry of Furans with Singlet Oxygen and Dioxiranes  
Lecture, Symposium on Oxidation of Fatty Acids and their Biological Consequences  
Bayreuth, Germany  
23. October - 24. October 1991

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W. Adam, L. Hadjirapoglou  
Problems with Oxidations? Try Dioxiranes!  
Plenary Lecture, VIII. Simposio Nacional de Quimica Organica  
Huerta Grande, Cordoba, Argentina  
6. November - 8. November 1991

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W. Adam, R. Schulte Oestrich  
Laserphotolyse des Diphenylmethyl-Radikals im Flüssigkeitsfaden  
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Aachen, Germany  
20. November - 22. November 1991

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W. Adam  
Dioxetane als photobiologische Gentoxizitäts-Sonden  
GDCh Colloquium, Universität Kaiserslautern  
Kaiserslautern, Germany  
10. December 1991

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W. Adam, R. Schulte Oestrich  
Zweiphotonenchemie im Laser-Jet  
Colloquium, Universität Erlangen  
Erlangen, Germany  
21. January 1992

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Problems with Oxidations? Try Dioxiranes!  
Colloquium, University of Miami, Department of Chemistry  
Coral Gables, Florida  
26. January - 28. January 1992

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W. Adam, A.G. Griesbeck  
Facets of Photooxygenation Chemistry: Radical Reactions, Energy Transfer and Electron Transfer  
Lecture Series, University del Valle  
Cali, Columbia  
15. March - 24. March 1992

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W. Adam

Problems with Oxidations? Try Dioxiranes!

Colloquium, Universidad del Valle

Cali, Columbia

18. March 1992

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W. Adam

Problems with Oxidations? Try Dioxiranes!

Colloquium, National University

Bogota, Columbia

26. March 1992

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W. Adam

Problems with Oxidations? Try Dioxiranes!

Colloquium, Lajos Kossuth University

Debrecen, Hungary

16. April 1992

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W. Adam, R. Curci, L. D'Accolti, C. Fusco, M.-E. González-Nuñez, R. Mello

Ossidazione di Eteri e Acetali con Diossirani

Poster, Reunion Hispano-Italiana de Química Organica

Valencia, Spain

20. April - 24. April 1992

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W. Adam, G. Asensio, M.-E. Gozáles-Nuñez, R. Mello, F. Tomás

Metil(trifluoro-metil)bis(oximetileno) Radical Anion: Generacion y Propiedades

Poster, Reunion Hispano-Italiana de Química Organica

Valencia, Spain

20. April - 24. April 1992

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A. Ouchi, W. Adam

Laser-Jet Photolysis of 1,8-bis(halomethyl)naphthalenes

Oral Presentation, 63rd Spring Annual Meeting of the Chemical Society of Japan

Higashi-Osaka, Japan

29. March 1992

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W. Adam

Peroxide in der Natur: Ausnahme oder die Regel? Ein Tribut an die Rieche Peroxidchemie

Plenary Lecture, Technische Universität Berlin

Berlin, Germany

11. May 1992

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W. Adam

Problems with Oxidations? Try Dioxiranes!

Colloquium, BASF

Ludwigshafen, Germany

26. May 1992

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W. Adam, P. Klug, B. Nestler, M. Richter  
Regio- and Stereoselective Ene Reactions of Singlet Oxygen for Oxyfunctionalization  
Plenary Lecture, 7th Italian Conference on Pericyclic Reactions  
Assisi, Italy  
1. June - 2. June 1992

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W. Adam  
Problems with Oxidations? Try Dioxiranes!  
GDCh Colloquium, Freie Universität Berlin  
Berlin, Germany  
6. June 1992

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P. Klug, W. Adam  
Regioselective Ene Reaction of Singlet Oxygen with Vinyl Tin Compounds  
Poster, The Third International Conference on Heteroatom Chemistry  
Riccione, Italy  
7. June - 12. June 1992

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F. Prechtel, W. Adam, U. Azzena  
Conversion of Ferrio Silanes to Ferrio Silanols by Selective Oxidation of the SiH-Function with  
Dimethyldioxirane  
Poster, The Third International Conference on Heteroatom Chemistry  
Riccione, Italy  
7. June - 12. June 1992

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M. Richter, W. Adam  
Silicon-Directed Hydroxy Epoxidation of Olefins: A Highly Regio- And Diastereoselective  
Synthesis of Epoxy Alcohols  
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F. Prechtel, W. Adam  
Oxidation of Lithium, Sodium and Titanium Enolates by Dimethyldioxirane: A Convenient  
Synthesis of  $\alpha$ -Hydroxy-Substituted Carbonyl Compounds  
Poster, Third International Symposium on Carbanion Chemistry  
Gallipoli, Italy  
14. June - 18. June 1992

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P. Klug, M. Richter, W. Adam  
Trisubstituted Vinylolithium Compounds by Reductive Lithiation of Vinyl Thioethers. A Versatile  
Synthesis of Vinyl Silanes and Stannanes  
Poster, Third International Symposium on Carbanion Chemistry  
Gallipoli, Italy  
14. June - 18. June 1992

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W. Adam, B. Epe, C.R. Saha-Möller, M. Sauter, D. Schiffmann, A. Schönberger, D.  
Genotoxicity Studies of Benzofuran Dioxetanes and Epoxides with Isolated DNA, Bacteria and  
Mammalian Cells

Poster, International Symposium of the Sonderforschungsbereich 172, Approaches for the  
Identification of Lesions Relevant in Carcinogenesis

Würzburg, Germany

18. June - 20. June 1992

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W. Adam

Problems with Oxidations? Try Dioxiranes!

GDCh Colloquium, Universität Hannover

Hannover, Germany

2. July 1992

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W. Adam

Free Radical Chemistry in the Laser Jet

204th ACS Meeting

Washington, D.C.

26. August 1992

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A. Ouchi, A. Yabe, W. Adam

The Laser Jet Photolysis of 1,8-Bis(substituted methyl)naphthalenes

Oral Presentation, Symposium on Photochemistry 1992-Japan Photochemistry Association

Chofu, Japan

17. September 1992

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W. Adam

Dioxetanes as Photobiological Probes

Colloquium, Padova-Würzburg Academic Exchange Program, School of Pharmaceutical  
Sciences, University of Padova

Padova, Italy

21. September 1992

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W. Adam, B. Nestler

Regio- and Diastereoselective Photooxygenations

Colloquium, Polytechnical University of Valencia

Valencia, Spain

26. October 1992

501

W. Adam

Dioxirane als Sauerstofftransfer-Reagens

Lecture, Firma AKZO

Obernburg, Germany

2. November 1992

502

W. Adam

A Potpourri of Oxidation Chemistry

A.v. Humboldt-Workshop, University of Adelaide

Adelaide, Australia

21. November 1992

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W. Adam

Oxidieren mit Dioxiran macht Spaß

GDCH Colloquium, Universität Stuttgart

Stuttgart, Germany

3. December 1992

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W. Adam

Probleme mit Oxidationen? Wir empfehlen Dioxiran!

Colloquium, Universität Hamburg

Hamburg, Germany

8. December 1992

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W. Adam, B. Nestler

Regio- and Diastereoselective Photooxygenations for Preparative Purposes

Colloquium, University of Miami

Miami, Florida, USA

12. January 1993

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W. Adam, C.R. Saha-Möller, M. Sauter

"1,2-Dioxetanes as Photobiological Probes"

Colloquium, University of Miami

Miami, Florida, USA

13. January 1993

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W. Adam, R. Schulte Oestrich

Radical Chemistry in the Laser Jet: Multiple-Photon Reactions

Colloquium, University of Miami

Miami, Florida, USA

15. January 1993

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D. Ramaiah, M. Häring, C.R. Saha-Möller, W. Adam, B. Epe

Hydroxyl-Radical-Type DNA Damage Induced by Furocoumarin Hydroperoxides upon Near-UV (360 nm) Irradiation

Poster, University of Grenoble

Grenoble, France

18. January - 19. January 1993

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W. Adam, M. Abou-Elzahab, M. Ahrweiler, T. Mosandl, D. Ramaiah, C.R. Saha-Möller  
Furocoumarin Dioxetanes and Hydroperoxides as Photobiological Probes  
Colloquium, University of Mansoura  
Mansoura, Egypt  
10. February 1993

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W. Adam, R. Schulte-Oestrich, B. Walther  
Radical Chemistry in the Laser Jet: Multiple-Photon Process  
Colloquium, University of Dumiat  
Dumiat, Egypt  
10. February 1993

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W. Adam, H.-G. Brünker, B. Nestler, M. Prein  
Regioselective and Diastereoselective Photooxygenations  
Colloquium, University of Mansoura  
Mansoura, Egypt  
14. February 1993

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W. Adam, R. Schulte Oestrich, B. Walther  
Radical Chemistry in the Laser Jet: Multiple-Photon Processes  
Colloquium, University of Cairo  
Cairo, Egypt  
18. February 1993

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Mehrphotonen-Chemie im Laser-Jet  
GDCh-Colloquium, MPI für Strahlenchemie  
Mühlheim, Germany  
4. March 1993

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A. Ouchi, W. Adam  
Laser-Jet Photolysis of 1,8-Bis(aryloxymethyl)naphthalenes  
Oral Presentation, 65th Spring Annual Meeting of the Chemical Society of Japan  
Tokyo, Japan  
29. March 1993

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W. Adam, H.-G. Brünker, B. Nestler, M. Richter  
Regioselective and Diastereoselective Photooxygenation and Epoxy-Hydroxylation  
Lecture  
Huerta Grande, Cordoba, Argentina  
29. March 1993

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Oxidation of 3-Arylidene flavanones by Dimethyldioxirane  
Poster, 3rd Blue Danube Symposium on Heterocyclic Chemistry  
Sopron, Hungary  
April 1993

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Regio- und Diastereoselektive Photooxygenierungen und Hydroxy-Epoxidierung  
Lecture, Institut für Organische Chemie und Molekularbiologie, Universität Jena  
Jena, Germany

7. May 1993

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W. Adam, B. Epe, C.R. Saha-Möller, M. Sauter, A. Schönberger

Dioxetanes as Photochemical, Oxidative and Alkylative DNA-Damaging Agents  
Lecture, 16th Annual Meeting of SBQ

Caxambu, Brasilien

29. March 1993

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C.R. Saha-Möller, W. Adam

Synthesis, Photooxidation and Biological Effects of Natural and Unnatural Furocoumarins  
Lecture, Workshop on German-East European Cooperations in Biotechnology

Pushchino, Moscow Region, Russia

1. June - 4. June 1993

520

W. Adam

Oxidieren mit Dioxiran macht Spaß

GDCh Lecture, Institut für Organische Chemie

Göttingen, Germany

17. June 1993

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W. Adam

Oxidieren mit Dioxiran macht Spaß

GDCh Lecture, Organisch-Chemisches Institut, Westfälische Wilhelms-Universität

Münster, Germany

1. July 1993

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M. Prein, W. Adam

Diastereoselective [4+2] Cycloaddition of Singlet Oxygen with Chiral Naphthyl Alcohols  
Poster, 33rd National Organic Chemistry Symposium, Montana State University

Bozeman, Montana, USA

12. June - 18. June 1993

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Regio- und Diastereoselektive Oxyfunctionalization with Singlet Oxygen

Colloquium, Organisch-Chemisches Institut, Universität Heidelberg

Heidelberg, Germany

14. July 1993

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W. Adam, F. Kita, R. Schulte Oestrich

Two-Photon Chemistry in the Laser Jet: Generation of Radical Intermediates and their  
Photochemical Transformation

Invited Lecture, XVIth International Conference on Photochemistry

Vancouver, Canada

1. August - 6. August 1993

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H.-G. Brünker, W. Adam

Diastereoselective and Regioselective Photooxygenation of a Chiral Allylic Amine and its Acyl Derivatives: Stereochemical Evidence for a Steering Effect by the Amino Group in the Ene Reaction of Singlet Oxygen

Poster, XVIth International Conference on Photochemistry

Vancouver, Canada

1. August - 6. August 1993

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F. Kita, W. Adam

Two-Photon Chemistry in the Laser Jet: Photochemistry of the Xanthone Ketyl Radical

Poster, XVIth International Conference on Photochemistry

Vancouver, Canada

1. August - 6. August 1993

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W.M. Nau, W. Adam

Substituent Effects on Intersystem Crossing in Localized Triplet Biradicals

Lecture, XVIth International Conference on Photochemistry

Vancouver, Canada

1. August - 6. August 1993

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A. Ouchi, A. Yabe, W. Adam

Laser Jet Photolysis of 1,8-Bis(Substituted-Methyl) Naphthalenes

Poster, XVIth International Conference on Photochemistry

Vancouver, Canada

1. August - 6. August 1993

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A. Lévai, C. Nemes, T. Patonay, G. Tóth, J. Halász

Oxidation of 3-Arylidenechromanones and Flavones by Dimethyldioxirane

Poster, 14th International Congress of Heterocyclic Chemistry

Antwerp, Belgium

1. August - 6. August 1993

530

J. Frisch, F. Prechtel, W. Adam, W.A. Schenk

Oxidation metallkoordinierter Thioether mit Dimethyldioxiran - Ein neuer Weg zu chiralen Sulfoxiden

Poster, 24th GDCh Meeting

Hamburg, Germany

5. September - 11. September 1993

531

W. Nau, W. Adam, J. Sendelbach, J. Wirz

Direct Spectral Observation of the Triplet Azo Chromophore in 2,3-Diazabicyclo[2.2.1]hept-2-ene (DBH) Derivatives

Poster, 24th GDCh Meeting

Hamburg, Germany

5. September - 11. September 1993

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W. Adam, F. Kita, R. Schulte Oestrich

Two-Photon Chemistry in the Laser Jet: Generation of Radical Intermediates and their Photochemical Transformation

Invited Lecture, II Congress on Photochemistry

Poblet, Spain

12. September - 15. September 1993

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W. Adam, B. Nestler

Regio- and Diastereoselective Photooxygenation, a Convenient Synthetic Tool

Invited Lecture, Workshop of the II Congress on Photochemistry

Poblet, Spain

12. September - 15. September 1993

534

W. Adam

Thermal Generation of Triplet-Excited Species and Photochemical Formation of Hydroxyl Radicals in Photobiological Applications

Invited Lecture, Vth Congress of the European Society for Photobiology

Marburg, Germany

19. September - 26. September 1993

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D. Ramaiah, W. Adam, S. Caffieri, F. Dall'Acqua, B. Epe, C.R. Saha-Möller, D. Ve

Furocoumarin Hydroperoxides: Efficient Intercalating Photo-Fenton Reagents

Poster, Vth Congress of the European Society for Photobiology

Marburg, Germany

19. September - 26. September 1993

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C.R. Saha-Möller, W. Adam, B. Epe, E. Müller

Photochemical DNA Modifications Induced by 1,2-Dioxetanes

Poster, Vth Congress of the European Society for Photobiology

Marburg, Germany

19. September - 26. September 1993

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A. Schönberger, W. Adam, M. Berger, J. Cadet

Quantitative Determination of 8-OxoGua and 4-HO-8-OxodGuo, Oxidation Products of Guanine in DNA, Induced by Dioxetanes

Poster, Vth Congress of the European Society for Photobiology

Marburg, Germany

19. September - 26. September 1993

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W. Adam

Das Glühwürmchen als Phänomen: Effiziente Umwandlung chemischer Energie in Licht

Invited Lecture, 14. Hochschultage Energie

Essen, Germany

29. September - 30. September 1993

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R. Schuhmann , W. Adam, F. Pechtl , J. Frisch, K. Hindahl, W. Malisch, J. Putte  
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Cations and their Rearrangements  
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Lecture, Lubrizol India Ltd.  
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Regio- und Diastereoselektive En-Reaktionen von Singulett-Sauerstoff (Schenck-Reaktion) für die präparative Organische Chemie  
Plenary Lecture, GDCh-Fachgruppe Photochemie, (G.O. Schencks 80. Geburtstag)  
Berlin, Germany  
17. November 1993

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B. Nestler, W. Adam

Regio- and Diastereoselective Ene Reaction of Singlet Oxygen: The Directing Effect of the Hydroxy Functionality

Workshop, Department of Chemistry, University of Tsukuba

Tsukuba, Japan

26. November 1993

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Singulett-Sauerstoff und Dioxiran in der selektiven Oxidation

Colloquium, Institut für Pflanzenbiochemie, Universität Halle

Halle, Germany

1. December 1993

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D. Ramaiah, W. Adam, J. Cadet, F. Dall'Acqua, B. Epe, C.R. Saha-Möller

Furocoumarin Hydroperoxides: Efficient Hydroxyl Radical Source for the Cleavage of DNA

Lecture, IX Symposium of the Indian Society for Photobiology, Centre for Cellular and Molecular Biology

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Regio- and Diastereoselective Photooxygenations and its Applications in Organic Synthesis

Lecture, Universidad de Alcalá de Henares

Madrid, Spain

21. March 1994

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Lecture, CSIQ Madrid

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W. Adam, D. Golsch, L. Hadjarapoglou, F. Pechtl, M. Sauter

Dimethyldioxirane: A Powerful, Selective and Convenient Oxidant

Lecture, Instituto Universitario de Bio-Organica, Universidad de La Laguna

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University München  
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W. Adam, D. Reinhardt, C.R. Saha-Möller, M. Schulz  
A Rational Design of Chemiluminescent Probes for Bioanalytical Applications  
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5. June - 7. June 1994

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Thermolysis of 3,3-Bis(phenylmethyl)-1,2-dioxetane: Radical-induced Formation of the Unusual  
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D. Reinhardt, W. Adam  
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Dimethyldioxirane: Kinetics and Chemiluminescence Yields of the Thermal Decomposition and  
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10. June - 15. June 1994

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Tridentate  $\beta$ -Hydroperoxy Alcohols as New Oxygen Donors for the Titanium-Catalyzed Epoxidation of  $\alpha,\beta$ -Unsaturated  $\alpha,\beta$ -Diols: A Direct Diastereoselective Synthesis of Epoxy Diols  
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Cs. Nemes, A. Lévai, T. Patonay, W. Adam, D. Golsch

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C.R. Saha-Möller, W. Adam, D. Ramaiah, B. Epe, F. Dall'Acqua, J. Cadet

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Regio- and Diastereoselective Photooxygenations (the Schenck Ene Reaction) and their Applications in Organic Synthesis

Plenary Lecture, 5th Belgian Organic Synthesis Symposium

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A. Lévai, W. Adam; J. Halász, Cs. Nemes, T. Patonay, G. Tóth

Dimethyldioxirane Oxidation of 3-Arylidenechromanones

Poster, 5th Belgian Organic Synthesis Symposium

Namur, Belgium

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R.M. Schuhmann, W. Adam

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Brighton, England

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Merseburg, Germany

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B. Nestler, W. Adam

Diastereoselective Synthesis of Epoxy Diols from Allylic Alcohols: The Photooxygenation / Epoxy-Hydroxylation Approach

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Ibaraki University, Hitachi, Japan

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T. Kammel, W. Adam, K.H. Goller

4,5-Diaza-1,3-Cyclopentanediy l Diradicals and Radical Cations Derived from Urazole-Bridged Bicyclic Azoalkanes

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F. Kita, W. Adam, W. Nau, J. Wirz

Biradical versus Dipolar Character in Unsymmetrically Diaryl-Substituted 1,3-Cyclopentanediy l Biradicals and its Effect on Intersystem Crossing

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Absorption and Emission Spectroscopy of the Triplet Azo Chromophore

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W. Adam

Interdisciplinary Research as a Key to Chemical Education in the Future

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C.R. Saha-Möller, W. Adam, U. Hoch, P. Schreier  
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21. August - 26. August 1994

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A.K. Smerz, W. Adam  
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M. Shimizu, W. Adam  
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Der Einfluß von Substituenten auf die thermische Stickstoffabspaltung aus Azoalkanen:  
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K. Mielke, W. Adam, C.R. Saha-Möller  
Intercalating Photo-Fenton Reagents as Efficient Hydroxyl Radical Source for Oxidative DNA Damage  
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N-Hydroxythiopyridones plus Light Induce DNA Damage through Hydroxyl Radicals  
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Interdisciplinary Research as the Key to the Future in Chemical Education  
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Poster, Know-How-Börse, Verband der Chemischen Industrie, Technische Universität München  
München, Germany  
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A. Schönberger, W. Adam  
Charakterisierung und Quantifizierung oxidativer DNA-Modifikation  
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Photosensitized Oxidative DNA Damage Induced by Dioxetanes, Ketones and Photo-Fenton  
Reagents  
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C.M. Mitchell, W. Adam  
Methyltrioxorhenium-katalysierte Oxyfunktionalisierungen mit H<sub>2</sub>  
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A. Lévai, W. Adam, J. Halasz, C. Nemes, T. Patonay, G. Tóth  
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Lecture, 5th Blue Danube Symposium on Heterocyclic Chemistry  
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p-Facial Selectivity in the [4+2] Cycloaddition of Singlet Oxygen  
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A. Lévai, W. Adam, J. Jeko, Cs. Nemes, T. Patonay  
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T. Patonay, W. Adam, J. Halász, A. Lévai, Cs. Nemes, G. Tóth  
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Poster, The Royal Society of Chemistry, International Conference, Biological Challenge for  
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10. July - 14. July 1995

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Dioxirane als selektive Oxidantien: Möglichkeiten und Grenzen  
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13. July 1995

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H. Harrer, W. Adam, W.M. Nau  
The EPR Zero-Field Splitting Parameter D of 1,3-Diaryl Cyclopentane-1,3-Diyl Triplet Diradicals,  
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Lecture, XVIIth International Conference on Photochemistry, Imperial College  
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30. July - 4. August 1995

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T. Kammel, W. Adam  
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Substituent Effects on Radical Delocalization through Spin Densities Assessed by the D  
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Stereo-Controlled Photooxygenations  
Lecture, University of Erzurum, Faculty of Arts and Sciences  
Erzurum, Turkey  
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Diradicals as Mechanistic Probes for Radical Reactivity - The D D Scale for the Evaluation of Substituent Effects in Benzyl-Type Radicals

Lecture, 35th IUPAC Congress

Istanbul, Turkey

14. August 1995

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C.M. Mitchell, W. Adam

Catalytic Epoxidation of Olefins with the Urea-Hydrogen-Peroxide Adduct and

Methyltrioxorhenium: Allylic Alcohols as Stereochemical Probe for MTO-Catalyzed Epoxidations

Poster, 1st European Symposium of the European Chemical Society

Louvain-La-Neuve, Belgium

12. August - 17. August 1995

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S. Andler, W. Adam, C.R. Saha-Möller

Inhibition of Photosensitized Oxidative DNA Damage by Ethyl Oleate Hydroperoxide and Alcohol

Poster, 210th National American Chemical Society Meeting

Chicago, Illinois

20. August - 25. August 1995

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R.T. Fell, W. Adam, U. Hoch, C.R. Saha-Möller, P. Schreier

Kinetic Resolution of Chiral  $\alpha$ -Hydroperoxy Esters by Horseradish-Peroxidase-Catalyzed Enantioselective Reduction to  $\alpha$ -Hydroxy Esters

Poster, 210th National American Chemical Society Meeting

Chicago, Illinois

20. August - 25. August 1995

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Inhibitory Effect of Ethyl Oleate Hydroperoxide and its Alcohol in Photosensitized Oxidative DNA Damage

Poster, 6th Congress of the European Society for Photobiology, Churchill College, University of Cambridge

Cambridge, UK

3. September - 8. September 1995

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K. Mielke, W. Adam, B. Epe, P. Groer, Y. Schlegel, C.R. Saha-Möller

Intercalating Hydroperoxides as Novel Photo-Fenton Reagents for Oxidative DNA Damage

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Photochemical Hydroxyl-Radical Sources for Oxidative DNA Damage

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W. Adam, D. Reinhardt, C.R. Saha-Möller

Die Natur als leuchtendes Vorbild: Von der Biolumineszenz zum Chemilumineszenz-Immunoassay

Lecture, 25. GDCh-Hauptversammlung

Münster, Germany

11. September 1995

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M. Dürr, A. Smerz, J. Frisch, W. Adam, W.A. Schenk

Diastereoselektive Oxidation metallkoordinierter Thioether mit sauerstoffübertragenden

Reagenzien Synthese von Sulforaphan

Poster, 25. GDCh-Hauptversammlung

Münster, Germany

10. September - 16. September 1995

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R.T. Fell, W. Adam, U. Hoch, C.R. Saha-Möller, P. Schreier

Das Enzym Meerrettichperoxidase als Katalysator zur Synthese optisch aktiver Hydroperoxide und Alkohole

Poster, 25. GDCh-Hauptversammlung

Münster, Germany

10. September - 16. September 1995

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D. Golsch, C. van Barneveld, W. Adam

Dioxiran-Oxidation von N-Heteroaromaten

Poster, 25. GDCh-Hauptversammlung

Münster, Germany

10. September - 16. September 1995

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D. Reinhardt, W. Adam

Indol- und Pyrroldioxetane durch Oxidation N-acylierter Indole und Pyrrole mit Singulett-Sauerstoff

Poster, 25. GDCh-Hauptversammlung

Münster, Germany

10. September - 16. September 1995

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D. Reinhardt

Rationelle Gestaltung chemischer Leuchtsonden

Lecture, Weiterbildungsveranstaltung Moderne Trends angewandter Chemi- und Biolumineszenz 25. GDCh-Hauptversammlung

Münster, Germany

10. September - 16. September 1995

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K. Schneider, W. Adam, S. Steenken

Mehrphotonenprozesse im Laser-Jet und zeitlich aufgelöste Laser-Blitz-Photolyse: Photochemie des 1-Naphthylmethylradikals

Poster, 25. GDCh-Hauptversammlung

Münster, Germany

10. September - 13. September 1995

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W. Adam, S. Andler, G.N. Grimm, K. Mielke, C.R. Saha-Möller, A. Schönberger  
Photooxidative DNA Damage: Chemical Studies in Photobiology  
Plenary Lecture, 3rd Panamerican Congress  
San Juan, Puerto Rico  
10. September - 15. September 1995

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W. Adam  
Präparative Nutzung von peroxidischen Oxidantien für Sauerstofftransfer-Reaktionen  
Lecture, SPP-Kolloquium (Begutachtung)  
Freyburg an der Unstrut, Germany  
20. September - 22. September 1995

641

W. Adam, R. Fell, U. Hoch, H. Lazarus, P. Schreier, C.R. Saha-Möller  
Enzymatische, mikrobielle und Metall-katalysierte selektive Oxidationen mit chiralen Peroxiden  
Referat, 1. Statusseminar Bayerischer Forschungsverbund Katalyse (FORKAT), Hanns-Seidel-  
Stiftung  
Wildbad Kreuth, Germany  
1. October - 3. October 1995

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Photooxidative DNA Damage: Chemical Studies in Photobiology  
Plenary Lecture, Photochemistry Meeting at the Japanese Photochemical National Society  
Kyushu, Fukuoka, Japan  
10. October - 12. October 1995

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W. Adam, S. Andler, G.N. Grimm, K. Mielke, C.R. Saha-Möller, A. Schönberger  
Photooxidative DNA Damage: Chemical Studies in Photobiology  
Colloquium, Kyoto University  
Kyoto, Japan  
13. October 1995

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W. Adam, S. Andler, G.N. Grimm, K. Mielke, C.R. Saha-Möller, A. Schönberger  
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Colloquium, University of Tsukuba  
Tsukuba, Japan  
17. October 1995

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Photooxidative DNA Damage: Chemical Studies in Photobiology  
Colloquium, Okayama University of Science  
Okayama, Japan  
19. October 1995

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W. Adam, H.M. Harrer, W.M. Nau  
Triplet Diradicals as Mechanistic Probe for Radical Substituent Effects  
Plenary Lecture, Organic Mechanism Conference  
Okayama, Japan  
20. October 1995

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W. Adam, H.-G. Brünker, C.M. Mitchell, I. Reddy, M. Renz  
Catalytic Diastereoselective Oxyfunctionalizations  
Plenary Lecture, 10th National Symposium on Organic Chemistry  
Los Cocos, Argentina  
12. November - 15. November 1995

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A.B. Peñeñory, J. Arguello, W. Adam  
Electron-Transfer Reactions between Sulfides and Tetranitromethane (TNM). Oxidation versus  
Fragmentation of the Sulfide-Radical-Cation Intermediate  
Poster, 10th National Symposium on Organic Chemistry  
Los Cocos, Argentina  
12. November - 15. November 1995

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K. Mielke, W. Adam, B. Epe, C.R. Saha-Möller  
Photosensibilisierte Generierung von Hydroxyradikalen zur oxidativen DNA-Schädigung  
Poster, GDCh-Fachgruppentagung Photochemie, Technische Universität Dresden  
Dresden, Germany  
22. November - 24. November 1995

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W. Adam  
Photochemisch erzeugte Triplettdiradikale als mechanistische Sonden für Radikalstabilität  
Theodor-Förster-Gedächtnisvorlesung, GDCh-Fachgruppentagung Photochemie, Technische  
Universität Dresden  
Dresden, Germany  
24. November 1995

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W. Adam  
Diastereoselektive Photooxygenierungen als Synthesewerkzeug  
Colloquium, Universität Leipzig  
Leipzig, Germany  
30. November 1995

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W. Adam  
Dioxirane als selektive Oxidantien: Präparative und mechanistische Aspekte  
Universität Bonn  
Bonn, Germany  
12. December 1995

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W. Adam  
The Photobiology of DNA  
Plenary Lecture, Symposium on The Photobiology of Genotoxicity, University of Puerto Rico  
San Juan, Puerto Rico  
20. December 1995

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R. Fell, W. Adam, U. Hoch, C.R. Saha-Möller, P. Schreier  
Meerrettichperoxidase als Biokatalysator zur Synthese optisch aktiver Hydroperoxide und Alkohole  
Lecture, DECHEMA-Arbeitsausschuß Kinetik und Reaktionsmechanismen  
Frankfurt, Germany  
15. January 1996

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Theodor-Förster-Gedächtnisvorlesung, GDCh-Fachgruppentagung Photochemie  
Tübingen, Germany  
6. February 1996

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W. Adam  
Diastereoselective Reactions with Singlet Oxygen - A Powerful Synthetic Tool  
Colloquium, Universidade de Santiago de Compostela  
Santiago de Compostela, Spain  
11. March 1996

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W. Adam  
Selective Oxidations with Dioxiranes  
Colloquium, Universidade de Santiago de Compostela  
Santiago de Compostela, Spain  
11. March 1996

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W. Adam  
Diastereoselective Reactions with Singlet Oxygen - A Powerful Synthetic Tool  
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Oviedo, Spain  
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B. Epe, D. Ballmaier, W. Adam, G.N. Grimm, C.R. Saha-Möller  
Photodecomposition of N-Hydroxypyridinethiones: A New Source of Hydroxyl Radicals to Evaluate the Genotoxic Effects of Oxidative Stress  
Poster, Tagung der Deutschen Gesellschaft für Experimentelle und Klinische Pharmakologie und Toxikologie  
Mainz, Germany  
12. March - 14. March 1996

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T.I. Reddy, W. Adam, M. Renz  
Diastereoselective Epoxidation of Allylic Alcohols with Hydrogen Peroxide Catalyzed by Titanium Silicate (TS-1 or Ti-beta)  
Poster, National Meeting of the American Chemical Society  
New Orleans, Louisiana  
24. March - 28. March 1996

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V. Nagel, F. Duschek, W. Kiefer, W. Adam, D. Golsch, K. Mielke  
Singulett-Sauerstoff-Detektion an ausgewählten organischen Systemen  
Poster, InCom 96  
Düsseldorf, Germany  
29. March 1996

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W. Adam  
Diastereoselective Photooxygenation as a Useful Tool in Synthesis  
Colloquium, Tulane University  
New Orleans, Louisiana  
4. April 1996

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W. Adam  
Photochemically Generated Triplet Diradicals as Mechanistic Probe for Electronic Substituent Effects in Radicals  
Colloquium, University of New Orleans  
New Orleans, Louisiana  
3. April 1996

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U. Hoch, W. Adam, R. Fell, C.R. Saha-Möller, P. Schreier  
Horseradish Peroxidase - A Biocatalyst for the One-Pot Synthesis of Enantiomerically Pure Hydroperoxides and Alcohols  
Lecture, 6th International Symposium on the Activation of Dioxygen and Homogeneous Catalytic Oxidation  
Noordwijkerhout, The Netherlands  
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Lecture, 6th International Symposium on the Activation of Dioxygen and Homogeneous Catalytic Oxidation  
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W. Adam, D. Reinhardt, C.R. Saha-Möller  
What You Always Wanted to Know About Dioxetanes But Didn't Dare Ask  
Lecture, VIIth International Symposium on Luminescence Spectrometry in Biomedical Analysis, Université de Nice  
Nice, France  
17. April - 19. April 1996

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Photochemisch erzeugte Triplettdiradikale als mechanistische Sonden für Radikalstabilität  
Theodor-Förster Gedächtnisvorlesung, GDCh-Fachgruppentagung, MPI für Kohlenforschung  
Mülheim, Germany  
25. April 1996

668

W. Adam

Enzymatische und metallkatalysierte selektive Oxidationen sowie weitere Transformationen  
Plenary Lecture, Symposium über Biotechnik/Gentechnik/Katalyse - "Innovation bei chemischen  
Prozessen", Verband der Chemischen Industrie, Landesverband Bayern  
München, Germany  
30. April 1996

669

B. Voigt, A. Porzel, D. Golsch, W. Adam, G. Adam

Functionalization of Brassinosteroids with Dioxiranes - Synthesis of Biologically High Active 25-  
Hydroxy Brassinolide and 25-Hydroxy-24-Epibrassinolide  
Poster, 23rd Annual Meeting Plant Growth Regulator Society of America in Conjunction with the  
Japanese Society for the Chemical Regulation of Plants, University  
Calgary, Alberta, Canada  
14. July - 18. July 1996

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München, Germany  
9. July 1996

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T. Patonay, W. Adam, A. Lévai, Cs. Nemes, T. Tímár, G. Tóth

Dimethyldioxirane-Mediated Synthesis and Ring Closure of 1-(2-Hydroxyphenyl)-2,3-Epoxy-1-  
alkanones  
Poster, 11th International Conference on Organic Synthesis  
Amsterdam, Netherlands  
30. June - 4. July 1996

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A. Lévai, W. Adam, J. Jekö, Zs. Majer, Cs. Nemes, T. Patonay, L. Párkányi, P. Se

Enantioselective Synthesis and Determination of the Absolute Configuration of Optically Active  
2,2-Dimethyl-3,4-epoxychromans  
Poster, 11th International Conference on Organic Synthesis  
Amsterdam, Netherlands  
30. June - 4. July 1996

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W. Adam, C. van Barneveld, O. Emmert, H.M. Harrer, F. Kita, A. Sampath Kumar, W.

About Monoradicals, Triplet Diradicals and Higher Spin States: Understanding Electronic  
Substituent Effects through EPR and Time-Resolved UV Spectroscopy  
Plenary Lecture, XVth IUPAC Symposium on Photochemistry  
Helsinki, Finland  
21. July - 26. July 1996

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H.M. Harrer, W. Adam

The Heteroatom Influence in Pyridylmethyl-Type Radicals and Their Derivatives Assessed by EPR  
Spectroscopy of Photochemically Generated Triplet Diradicals  
Poster, XVth IUPAC Symposium on Photochemistry  
Helsinki, Finland  
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Substituent Effects through EPR and Time-Resolved UV Spectroscopy  
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Helsinki, Finland  
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T. Heidenfelder, W. Adam, W.T. Borden  
The Influence of Methylene-Bridge Substitution on the Photochemistry of  
Diazabicyclo[2.2.1]heptene (DBH)-Type Azoalkanes  
Poster, XVth IUPAC Symposium on Photochemistry  
Helsinki, Finland  
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A. Kyagova, E. Andina, N. Zhuravel, A. Potapenko, M. Moeller, H. Stopper, W. Adam  
Effects of Furocoumarin Hydroperoxides on Erythrocyte Membranes and Delayed Type  
Hypersensitivity Reaction  
Lecture, 12th International Congress on Photobiology  
Vienna, Austria  
1. September - 6. September 1996

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C.R. Saha-Möller, W. Adam, A. Schönberger  
Photooxidative DNA Damage Induced by Thermally Generated Triplet-Excited Ketones from 1,2-  
Dioxetanes  
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Vienna, Austria  
1. September - 6. September 1996

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M. Korb, W. Adam, U. Hoch, P. Schreier  
Synthese von optisch aktiven Hydroperoxiden und deren Anwendung in der asymmetrischen  
Oxidation  
Lecture, Heidelberger Graduiertenkolleg Selektivität in der organischen und metallorganischen  
Synthese  
Heidelberg, Germany  
11. September - 13. September 1996

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W. Adam, A. Smerz  
Chemistry of Dioxiranes - Selective Oxidations  
Plenary Lecture, XVIIth European Colloquium on Heterocyclic Chemistry  
Regensburg, Germany  
6. October - 9. October 1996

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S. Weinkötz, B. Fröhling, W. Adam  
Diastereoselective Sulfur Transfer to Cyclooctenes in the Thermolysis of a Thiophene  
Endoperoxide  
Poster, XVIIth European Colloquium on Heterocyclic Chemistry  
Regensburg, Germany  
6. October - 9. October 1996

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T. Wirth, W. Adam, J. Renze

Diastereoselective Photooxygenation: Mechanistic Aspects and preparative Applications of Singulett Oxygen

Lecture, Stipendiatentreffen des Fonds der Chemischen Industrie 1996

Bayreuth, Germany

21. October 1996

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W. Adam

Wie lassen sich elektronische Substituenteneffekte in Monoradikalen, Triplett-diradikalen und Mehrspinsystemen verstehen?

Theodor-Förster Gedächtnisvorlesung, Universität Stuttgart

Stuttgart, Germany

24. October 1996

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W. Adam

Photooxidative Schädigung der DNA - Chemische Modellstudien zur Gentoxizität

Lecture, Colloquium, University of Frankfurt

Frankfurt, Germany

26. October 1996

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T. Heidenfelder, F. Kita, W. Adam

The Regioselectivity of the Rearrangement of 1,3-Cyclopentandiyl Radical Cations

Poster, International Symposium on Intra- and Intermolecular Electron Transfer, Volkswagen-Stiftung

Berlin, Germany

29. October - 31. October 1996

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F. Stock, C. Röhr, H. Elias, C.M. Mitchell, W. Adam, M. Dejmek, R. Selke

Tetrahydroalen Complexes with VO<sub>2</sub><sup>+</sup> and MoO<sub>2</sub><sup>2+</sup> Metal Centers as Catalysts for the Epoxidation and Sulfoxidation

Lecture, Colloquium, Schwerpunktprogramm Peroxidchemie: Mechanistische und präparative Aspekte des Sauerstofftransfers

Paderborn, Germany

18. November - 19. November 1996

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T. Wirth, W. Adam, J. Renze

Diastereoselective Photooxygenation: Mechanistic Aspects and Preparative Applications of Singulett Oxygen

Lecture, Colloquium, Schwerpunktprogramm Peroxidchemie: Mechanistische und präparative Aspekte des Sauerstofftransfers

Paderborn, Germany

18. November - 19. November 1996

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W. Adam

Selective Oxidations with Dioxirane

Lecture, Gastprofessoren-Austausch Caen - Würzburg

Caen, France

6. December 1996

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M. Renz, A. Corma, W. Adam

Titanium-Zeolite-Catalyzed Diastereoselective Epoxidation of Allylic Alcohols with Hydrogen Peroxide

Lecture, DECHEMA-Arbeitsausschuß Kinetik und Reaktionsmechanismen

Frankfurt, Germany

13. January 1997

691

W. Adam

Metallkomplexe und Enzyme für den katalytischen und selektiven Sauerstofftransfer

Lecture, Colloquium der GDCh an der Universität Dortmund

Dortmund, Germany

20. January 1997

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W. Adam

Das Glühwürmchen als leuchtendes Vorbild: Die effiziente Energieumwandlung als Grundlage für die Chemilumineszenz-Immunoassay

Lecture, Wissenschaftlicher Verein Mönchengladbach

Mönchengladbach, Germany

5. February 1997

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W. Adam

Die Biolumineszenz des Glühwürmchens als Modellrolle in der Entwicklung der Chemilumineszenz-Immunoassay

Lecture, Institut für Wasserchemie und Chemische Balneologie, TU München,

München, Germany

10. March 1997

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W. Adam, C. van Barneveld, H.M. Harrer, F. Kita

Triplet High-Spin Species as Mechanistic Probe for Electronic Properties of Radicals

Lecture, XVI Reunion Bienal del Grupo de Quimica Organica

Ciudad Real, Spain

2. April 1997

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W. Adam

Metal Complexes and Enzymes for the Catalytic and Selective Oxygen Transfer

Lecture, Instituto de Investigaciones Quimicas, Centro de Investigaciones Cientificas

Sevilla, Spain

4. April 1997

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W. Adam

Metal Complexes and Enzymes for the Catalytic and Selective Oxygen Transfer

Lecture

Valencia, Spain

8. April 1997

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O. Weichold, W. Adam, C.R. Saha-Möller

Enzymatische Racematspaltung von  $\beta$ -Hydroperoxyestern mit Meerrettichperoxidase

Poster, SFB-Doktorandensymposium

Marburg, Germany

10. April - 12. April 1997

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E.S. Andina, A.A. Kyagova, A. Ya. Potapenko, M. Moeller, H. Stopper, W. Adam, C

Suppression of Delayed Type Hypersensitivity Reaction by Furocoumarin Photooxidation Products

Poster, 58th Annual Meeting of the Society of Investigative Dermatology

Washington, D.C.

23. April - 27. April 1997

699

W. Adam

Selektive Oxidationen mit Dioxiranen

Lecture, Schering AG

Berlin, Germany

29. May 1997

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P. Groer, W. Adam, C.R. Saha-Möller

Enzymatic Preparation of Optically Active  $\alpha$ -Methylene  $\beta$ -Lactones by Lipase-Catalyzed Transesterification

Poster, 35th National Organic Chemistry Symposium, Trinity University

San Antonio, Texas, USA

22. June - 26. June 1997

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A. Lévai, T. Patonay, W. Adam, R.T. Fell, G. Tóth, A. Simon

Mn(III)-Catalyzed Enantioselective Epoxidation of Isoflavones

Poster, COST D2 Action, Final Exhibition

Basel, Switzerland

27. June - 28. June 1997

702

C.M. Mitchell, W. Adam

Catalytic Oxidation of Silanes with Methyltrioxorhenium (MTO) and the Urea-Hydrogen-Peroxide Adduct

Poster

Göttingen, Germany

20. July - 25. July 1997

703

T. Patonay, W. Adam, P. Kover, A. Lévai, M. Nemeth

Oxidation of Sulfur-Containing Heterocycles by Dimethyldioxirane: Chemo- and Diastereoselectivity

Oral Presentation, 16. International Congress of Heterocyclic Chemistry (16th ICHC)

Bozeman, Montana, USA

10. August - 18. August 1997

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R.T. Fell, W. Adam, C.R. Saha-Möller

Synthese optisch aktiver  $\alpha$ -Hydroxy-Carbonylverbindungen mittels (Salen)Mangan(III)-  
katalysierter Oxidation von Silylenolethern und Silylketenacetaten

Poster, 26. GDCh-Hauptversammlung

Vienna, Austria

7. September - 11. September 1997

705

M. Korb, W. Adam, R.T. Fell, U. Hoch, P. Schreier

Synthese von optisch aktiven Hydroperoxiden und deren Einsatz in der asymmetrischen  
Epoxidation von Allylalkoholen

Lecture, 26. GDCh-Hauptversammlung

Vienna, Austria

7. September - 11. September 1997

706

G.N. Grimm, W. Adam, C.R. Saha-Möller, F. Dall'Acqua, G. Miolo, D. Vedaldi

DNA Damage Induced by Photochemically Generated Alkoxy Radicals

Oral Presentation, 7th ESP Congress

Stresa, Italy

8. September - 13. September 1997

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M. Möller, H. Stopper, W. Adam, G.N. Grimm, C.R. Saha-Moeller

DNA Damage and Cytotoxicity Induced by N-Alkoxy pyridinethiones upon Irradiation

Poster, 7th ESP Congress

Stresa, Italy

8. September - 13. September 1997

708

Cs. Nemes, W. Adam, A. Lévai, J.-Y. Mérour, T. Patonay

Diastereoselective Epoxidation of 1-Acetyl-2-arylidene-1H-indol-3(2H)-ones By  
Dimethyldioxirane

Poster, 33rd International Meeting on Therapeutical Chemistry

Reims, France

16. September - 18. September 1997

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W. Adam, M.T. Diaz, R.T. Fell, P. Groer, C. Mock-Knoblauch, B. Boss, U. Hoch, H.

Biocatalytic Synthesis of Optically Active Oxyfunctionalized Compounds

Poster, III. International Symposium SFB 347 on Selective Reactions of Metal-Activated  
Molecules

Würzburg, Germany

17. September - 19. September 1997

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J.M. Aubry, V. Nardello, S. Bouttemy, T. Wirth, T. Linker, W. Adam

The Luminous and the Dark Side of Singlet Oxygen: Comparison Between the Photochemical  
and the Chemical Sources of Singlet Oxygen ( $^1O_2$ ,  $^1Dg$ ) in Organic Synthesis

Poster, III. International Symposium SFB 347 on Selective Reactions of Metal-Activated  
Molecules

Würzburg, Germany

17. September - 19. September 1997

711

W. Adam, R.T. Fell, M.N. Korb, C.M. Mitchell

Metal-Catalyzed Selective Oxidation-Transfer Reactions

Poster, III. International Symposium SFB 347 on Selective Reactions of Metal-Activated Molecules

Würzburg, Germany

17. September - 19. September 1997

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M. Renz, W. Adam, A. Corma, T. Indrasena Reddy

Diastereoselective Epoxidation of Chiral Allylic Alcohols Catalyzed by Titanium-Containing Zeolites: Evidence for a Hydrogen-Bonded, Peroxy-Type Loaded Complex as Oxidizing Species

Poster, III. International Symposium SFB 347 on Selective Reactions of Metal-Activated Molecules

Würzburg, Germany

17. September - 19. September 1997

713

T. Wirth, J. Renze, W. Adam

Photooxygenation of Electron-Deficient Chiral Allylic Alcohols: Efficient Synthesis of Natural Lactone Structures

Poster, 3rd World Congress on Oxidation Catalysis

San Diego, California, USA

21. September - 26. September 1997

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W. Adam, T. Wirth

Electronic, Steric and Stereoelectronic Effects in the Diastereoselective Photooxygenation (Schenk Ene Reaction) of Acyclic Chiral Alkenes

Lecture, Symposium No. 2 on Chemical Kinetics and Photochemistry, XXVI Reunión Bienal de la Real Sociedad Española de Química

Cadiz, Spain

23. September - 26. September 1997

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W. Adam

Chemical Model Studies in Photobiology: Photooxidative DNA Damage

13th Archer Lecture in Chemistry, Rensselaer School of Science, Department of Chemistry

Troy, New York

23. October 1997

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W. Adam

Stereoselective Photooxygenations in Organic Synthesis

Lecture, Department of Chemistry, State University of New York at Albany

Albany, N. Y., USA

24. October 1997

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G.N. Grimm, W. Adam, C.R. Saha-Möller

DNA Schädigung durch photochemisch generierte Alkoxyradikale

Oral Presentation, Jahrestagung der GDCh-Fachgruppe Photochemie

Köln, Germany

19. November - 21. November 1997

718

T. Heidenfelder, W. Adam, W.T. Borden, C. Burda, F. Kita, J. Wirz  
Ein persistentes lokalisiertes Singulett-1,3-Diradikal: Transienten Spektroskopie von 2,2-Difluoro-1,3-Diphenylcyclopentan-1,3-Diyl  
Oral Presentation, Jahrestagung der GDCh-Fachgruppe Photochemie  
Köln, Germany  
19. November - 21. November 1997

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A. Nikolaus, W. Adam, A. Häfner, J. Sauer, F.W. Schneider  
Strukturelle Einflüsse auf die Photopersistenz Polycyclischer Azoalkane  
Oral Presentation, Jahrestagung der GDCh-Fachgruppe Photochemie  
Köln, Germany  
19. November - 21. November 1997

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Diastereoselective Photooxygenations: Mechanistic Scrutiny and Synthetic Applications  
Lecture, University of New Orleans  
New Orleans, Louisiana  
30. January 1998

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W. Adam  
Stereoselective Photooxygenation for Organic Synthesis  
Lecture, Emory University  
Atlanta, Georgia  
4. February 1998

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W. Adam  
Photooxygenation of DNA: Model Studies in Photobiology  
Lecture, Georgia Tech University  
Atlanta, Georgia  
5. February 1998

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Firefly Bioluminescence as a Model Role in the Development of the Chemiluminescent Immunoassay  
Lecture, Valencia, Instituto de Tecnologia Quimica, Universidad Polit cnica de Valencia  
Valencia, Spain  
27. February 1998

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M. Abe, W. Adam  
Electronic Substituent Effects in Cross-Conjugated Trimethylenemethane Triplet Diradicals Compared to Those in Localized Cyclopentane-1,3-Diyls  
Poster, 1st GAIPHOS (First German-Australian-Italian Photochemistry Symposium)  
Badgastein  
1. March - 5. March 1998

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W. Maas, W. Adam, M. Baumgarten

On the Way to the Hexaradical: Synthesis and EPR Spectroscopy of a High-Spin Molecule  
Poster, 1st GAIPHOS (First German-Australian-Italian Photochemistry Symposium)

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A. Nikolaus, W. Adam

Fluorescence Quenching of  $\alpha$ -Substituted Polycyclic Azoalkanes - Exciplex Formation versus H-Atom Transfer

Poster, 1st GAIPHOS (First German-Australian-Italian Photochemistry Symposium)

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W. Adam

Photooxidative DNA Damage: Chemical Model Studies in Photobiology

Lecture, Valencia, Instituto de Tecnología Química, Universidad Polit cnica de Valencia

Valencia, Spain

2. March 1998

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Photooxidative DNA Damage: Chemical Model Studies in Photobiology

Lecture, Organic Chemistry Department, Universitat de les Illes Balears

Palma de Mallorca, Spain

4. March 1998

730

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Stereocontrolled Photooxygenations with Singlet Oxygen, a Valuable Tool in Organic Synthesis

Lecture, Department of Chemistry, University of Murcia

Murcia, Spain

5. March 1998

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W. Adam

Catalytic and Selective Oxyfunctionalizations with Metal Complexes and Enzymes

Lecture, Department of Chemistry, University of Alicante

Alicante, Spain

6. March 1998

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Catalytic and Selective Oxyfunctionalizations with Metal Complexes and Enzymes

Lecture, Department of Chemistry, Universitat Aut noma de Barcelona

Barcelona, Spain

10. March 1998

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Stereocontrolled Photooxygenations with Singlet Oxygen, a Valuable Tool in Organic Synthesis

Lecture, Department of Biological Organic Chemistry, CID (CSIC)

Barcelona, Spain

11. March 1998

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Selective Oxidations with Dioxiranes

Lecture, One-Day Organic Chemistry Meeting, Institute of Organic Chemistry, University of Brussels

Brussel, Belgium

27. March 1998

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W. Adam

The Chemical Fate of 1,3-Cyclopentadienyl Radical Cations

Plenary Lecture, 2nd International Symposium of the Volkswagen-Stiftung on Intra- and Intermolecular Electron Transfer, Kloster Banz

Staffelstein bei Bamberg, Germany

16. April - 18. April 1998

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T. Heidenfelder

Divergent Pathways in the Rearrangement of Tricyclo[3.3.0.0<sup>2,4</sup>]octanes (Housanes) on Chemical Electron Transfer (CET) versus Acid Catalysis: A Comparison of Radical Cations and Carbocations

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T. Wirth, W. Adam, K. Peters, M. Güthlein

Auxiliar-induzierte Diastereoselektivität in [4+2]-Cycloaddition von Singulett-Sauerstoff mit Chiralen Sorbinsäureamiden

Poster, Fonds der Chemischen Industrie Stipendiatentreffen 1998, Universität Erlangen Erlangen, Germany

30. April 1998

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A. Kurz, W. Adam, C.R. Saha-Möller

Oxidative Modification of DNA and 2'-Deoxyguanosine Induced by Horseradish-Peroxidase-Catalyzed Autoxidation of Aldehydes: Search for the Reactive Species

Poster, Free Radical Meeting

Copenhagen, Denmark

28. May - 30. May 1998

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W. Adam

Firefly Bioluminescence as a Model Role in the Development of the Chemiluminescence Assay

Plenary Lecture, 18th Meeting of the Japanese Association of Bioluminescence and

Chemiluminescence Researchers

Tsukuba, Japan

5. June 1998

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W. Adam, A. Trofimov

Medium Effects in the CIEEL Phenomenon: pH Dependence, Solvato Chromism and Viscosity  
Lecture, Workshop ,Bioluminescence Chemiluminescence Reaction Mechanisms

Tsukuba, Japan

June 1998

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W. Adam

Diastereoselective Photooxygenations: Mechanistic Aspects and Synthetic Applications

Lecture, Okayama University

Okayama, Japan

8. June 1998

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Firefly Bioluminescence as a Model Role in the Development of the Chemiluminescence Assay

Lecture, Kyoto University

Kyoto, Japan

9. June 1998

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Diastereoselective Photooxygenations: Mechanistic Aspects and Synthetic Applications

Lecture, Saitama University

Saitama, Japan

10. June 1998

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W. Adam

Two Decades of WAAW-Active Oxygen Chemistry

Plenary Lecture, Prof. W. Ando's Retirement Celebration

Tokyo, Japan

13. June 1998

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W. Adam

Metallkomplexe und Enzyme für den katalytischen und selektiven Sauerstofftransfer

GDCh Vortrag, Bayer AG

Krefeld, Germany

18. June 1998

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W. Adam, C.R. Saha-Möller,

Chemistry of Dioxiranes: Selective Oxidations

Lecture, Unilever International Workshop: Bleach Chemistry

Thornton Hough, Wirral, UK

23. June - 25. June 1998

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H. Kilic, M. Balci, W. Adam

Oxidation of Biphenylene with Singlet Oxygen and Peroxy Agent

Poster, 12th International Conference on Organic Synthesis (ICOS-12)

Venice, Italy

28. June - 2. July 1998

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M. Makosza, W. Adam; C.-G. Zhao, K. Stalinski  
Dimethyl Dioxirane (DMD) Oxidation of  $\alpha$ -H Adducts of Carbanions to Nitroarenes. Direct  
Synthesis of Substituted Phenols  
Oral Presentation, 12th International Conference on Organic Synthesis (ICOS-12) IUPAC  
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L. Blancafort, M.A. Robb, W. Adam  
The  $\alpha$  One-Electron Bond in Cyclopentane-1,3-diyl Radical Cation - an Ab Initio Study  
Poster, International Conference on Reactive Intermediates and Reaction Mechanisms, Centro  
Stefano Franscini  
Ascona, Switzerland  
12. July - 17. July 1998

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Fluorescence Quenching of Ester-Substituted DBO-Type Azoalkanes by Olefins and Arenes:  
Electronic and Steric Effects, Exciplex Formation and H-Atom Abstraction  
Poster, 17th IUPAC Photochemistry Symposium  
Barcelona, Spain  
19. July - 24. July 1998

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Spin Delocalization of Alkyl, Vinyl and Carbonyl Groups Assessed by the EPR-Spectral D  
Parameter of Cyclopentane-1,3-Diyl Triplet Diradicals  
Poster, 17th IUPAC Photochemistry Symposium  
Barcelona, Spain  
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C. Mock-Knoblauch, W. Adam, C.R. Saha-Möller  
Coprinus Peroxidase: An Efficient Biocatalyst for the Kinetic Resolution of Chiral Hydroperoxides  
and Asymmetric Sulfoxidation  
Poster, Gordon Research Conference on "Green Chemistry", Kimball Union Academy  
Meriden, New Hampshire, USA  
16. August - 21. August 1998

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W. Adam, C.R. Saha-Möller, K.S. Schmid  
The Preparation of Optically Active Unsaturated Hydroperoxy Alcohols by Suitable Combination  
and Permutation of Enzyme-Catalyzed Kinetic Resolution and Photooxygenation  
Poster, 216th ACS National Meeting  
Boston, Massachusetts  
23. August - 27. August 1998

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W. Adam, T. Wirth  
Stereo-Controlled Photooxygenations - A Valuable Synthetic Tool  
Plen. Lect., A Satellite Meeting of the IX Biennial Meeting of the of the Int. Soc. for Free Radical  
Research "Singlet Molecular Oxygen Chem., Biol. a. Med. Asp  
Sao Paulo, Brazil  
2. September 1998

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A. V. Trofimov, W. Adam, I. Bronstein

Unusual Hydrogen-Bonding Effect on the Fluorescence versus Chemiluminescence (CIEEL) Spectra of the Meta-Oxybenzoate Ion

Lecture, 10th International Symposium on Bioluminescence & Chemiluminescence

Bologna, Italy

4. September - 8. September 1998

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W. Adam, S. Andler, A. Kurz, C.R. Saha-Möller, A. Schönberger

Dioxetanes as Thermal Sources of Excited States for Photooxidation of the Biological Target DNA

Plenary Lecture, IX Biennial Meeting of the International Society for Free Radical Research;

Symposium on Biological Sources and Targets of Excited States

Sao Paulo, Brazil

9. September 1998

758

M. Möller, H. Stopper, W. Adam, G.N. Grimm, C.R. Saha-Möller

Cytotoxicity Induced by the Photochemical Oxyradical Sources N-Alkoxyridinethiones

Poster, Meeting of the European Environmental Mutagen Society

Salzburg, Austria

7. September - 10. September 1998

759

H.C. Mahler, I. Schulz, A. Reisinger-Friebis, W. Adam, G.N. Grimm, B. Epe

DNA Damage Induced by Alkoxyradicals

Poster, Meeting of the European Environmental Mutagen Society

Salzburg, Austria

7. September - 10. September 1998

760

H. Kilic, M. Balci, W. Adam

Oxidation of Biphenylene with Singlet Oxygen and Peroxy Agents

Oral Presentation, 12th National Chemistry Congress, Trakya University

Edirne, Turkey

7. September - 11. September 1998

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W. Adam

Stereocontrolled Photooxygenations

Lecture, Université de Reims Champagne-Ardenne

Reims, France

6. October 1998

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Chemistry of Dioxiranes: Selective Oxidations

Lecture, Université de Reims Champagne-Ardenne

Reims, France

7. October 1998

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Selective Metal-Catalyzed Oxyfunctionalization  
Lecture, Université de Reims Champagne-Ardenne  
Reims, France  
8. October 1998

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Biocatalytic Synthesis of Optically Active Oxyfunctionalized Synthons  
Lecture, Université de Reims Champagne-Ardenne  
Reims, France  
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Dioxetans as Thermal Sources of Excited States for the Photooxidation of DNA  
Lecture, Université de Reims Champagne-Ardenne  
Reims, France  
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Enzyme als Katalysatoren beim Sauerstofftransfer  
GDCh Lecture, Henkel KGaA  
Düsseldorf, Germany  
26. October 1998

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E. Andina; A. Kyagova; N. Yurikova; M. Neklyukova, A. Potapenko; W. Adam, C.R. Saha-Möller  
Immunosuppression Induced by the Photooxidation Products of Furocoumarins (Psoralens)  
Poster, Symposium: Biologic Effects of Light  
Basel, Switzerland  
1. November - 3. November 1998

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W. Adam, S. Andler, M. Arnold, G. Grimm, A. Kurz, S. Marquardt, M. Möller, C.R. Saha-Möller  
Oxidative Stress: Genotoxicity and Cytotoxicity Induced by Reactive Oxygen Species  
Poster, International Theodor-Boveri-Symposium-Symposium of the SFB 172 „Genomic  
Instability in Carcinogenesis. Mechanisms, Detection and Clinical Relevance  
Würzburg, Germany  
5. November - 7. November 1998

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Z. Lukacs, W. Adam, C.R. Saha-Möller, P. Schreier

Mikrobielle enantioselektive Synthesen: Reduktion von Hydroperoxiden und Hydroxylierung von  
Kohlenwasserstoffen  
Lecture, Workshop des Graduiertenkollegs Mechanistische und Anwendungsaspekte  
nichtkonventioneller Oxidationsreaktionen  
Leipzig, Germany  
20. November - 21. November 1998

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V. Stegmann, W. Adam, C.R. Saha-Möller

Regio- und diastereoselective Epoxidierung chiraler Allylalkohole unter Mn(Salen)- und Fe(Porphyrin)-Katalyse

Lecture, Workshop des Graduiertenkollegs Mechanistische und Anwendungsaspekte nichtkonventioneller Oxidationsreaktionen

Leipzig, Germany

20. November - 21. November 1998

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W. Adam

Synthese von Episulfiden mittels direktem Schwefeltransfer auf Alkene

Lecture, Humboldt-Universität Berlin

Berlin, Germany

2. February 1999

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W. Adam

Oxygen Transfer is not a Big Deal! How about Jumping Sulfur Atoms?

Lecture, University of Bilbao

Bilbao, Spain

1. March 1999

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W. Adam

Stereoselective Photooxygenations: Mechanistic and Synthetic Aspects

Lecture, University of Santiago de Compostela

Santiago de Compostela, Spain

2. March 1999

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Metal-Catalyzed Oxidations

Lecture, University of Santiago de Compostela

Santiago de Compostela, Spain

3. March 1999

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Biocatalyzed Oxidations

Lecture, University of Santiago de Compostela

Santiago de Compostela, Spain

4. March 1999

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Photobiological Oxidations of DNA

Lecture, University of Santiago de Compostela

Santiago de Compostela, Spain

5. March 1999

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Oxygen Transfer is not a Big Deal! How about Jumping Sulfur Atoms?

Lecture, University of Santiago de Compostela

Santiago de Compostela, Spain

9. March 1999

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M. Möller, H. Stopper, W. Adam, G.N. Grimm, C.R. Saha-Möller

Mechanistic Elucidation of Cytotoxicity Induced in Mouse Lymphoma L 5178 Y Cells by Alkoxy

Radicals Generated in the Photolysis of N-Alkoxy-pyridinethiones

Poster, 40. Frühjahrstagung der Deutschen Gesellschaft für experimentelle Pharmakologie und Toxikologie

Mainz, Germany

9. March - 11. March 1999

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Oxygen Transfer is not a Big Deal! How about Jumping Sulfur Atoms?

Lecture, University of Valencia

Valencia, Spain

12. March 1999

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M. Vicente, W. Adam, H. Garcia, J.N. Moorthy

The SH<sub>2</sub> Mechanism in the Photochemical Denitrogenation of Cyclopentene-Annulated 2,3-Diazabicyclo[2.2.1]hept-2-ene-Type Azoalkanes

Poster, IV Congreso de Fotoquímica, Real Sociedad Española de Química

Gandia, Spain

21. March - 24. March 1999

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Selective Metal-Catalyzed Oxyfunctionalizations including Sharpless (Ti), Herrmann (Re) and Jacobsen (Mn) Catalysts

Lecture, University of Lille

Lille, France

25. March 1999

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Generation, Detection and Chemical Fate of 1,3-Cyclopentanediyli Radical Cations

Lecture, Tulane University

New Orleans, Louisiana

12. April 1999

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Mikroorganismen als Arbeitspferde für die asymmetrische Synthese: Reduktion von Hydroperoxiden und Hydroxylierung von Kohlenwasserstoffen

Lecture, SFB-347 Doktorandensymposium 1999

Würzburg, Germany

28. April - 30. April 1999

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C. Mock-Knoblauch, W. Adam, C. R. Saha-Möller  
Coprinus Peroxidase: Ein Biokatalysator für die kinetische Racematspaltung von Hydroperoxiden und die asymmetrische Sulfoxidation  
Lecture, SFB- 347 Doktorandensymposium 1999  
Würzburg, Germany  
28. April - 30. April 1999

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Stereoselektive Mn-, Fe- und Cu-katalysierte Sauerstoff- und Stickstoff-Übertragungen  
Poster, SFB-347 Doktorandensymposium 1999  
Würzburg, Germany  
28. April - 30. April 1999

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Metallkatalysierte selektive Oxidationen: Synthese und Mechanismus  
GDCh Lecture  
Aachen, Germany  
29. June 1999

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V. Stegmann, W. Adam  
Epoxidation versus C-H Insertion in the Catalytic Oxidation of Chiral Allylic Alcohols by Mn(salen), Fe(porphyrin) and Cr(salen) Complexes  
Poster, 4<sup>ème</sup> Conférence sur la Catalyse "Paul Sabatier" 99 Twelfth European Conference on Catalysis  
Strasbourg, France  
5. July - 7. July 1999

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C. Mock-Knoblauch, W. Adam, C. R. Saha-Möller  
Generation and Reactivity of (Salen)Mn(IV)Complexes  
Poster, 10th IUPAC Symposium  
Versaille, France  
18. July - 22. July 1999

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Biocatalytic Synthesis of Optically Active Oxyfunctionalised Synthons  
Lecture, 7th International Symposium on Dioxygen Activation and Homogeneous Catalytic Activation, ADHOC-99, University of York  
York, UK  
19. July - 23. July 1999

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O. Weichold, W. Adam  
Oxidation Reactions in Constrained Media: Selective Si-H Insertion with Ti-beta/H<sub>2</sub>O<sub>2</sub> and NaY/MTO/H<sub>2</sub>O<sub>2</sub>  
Lecture, 7th International Symposium on Dioxygen Activation and Homogeneous Catalytic Oxidation ADHOC-99, University of York  
York, UK  
19. July - 23. July 1999

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A. Pastor

Direct Amination of Olefins through Sequential Triazolinedione (TAD) Ene Reaction and Hydrolytic Cleavage of the N-N Urazole Bond

Poster, 11th European Symposium on Organic Chemistry

Göteborg, Sweden

23. July - 28. July 1999

793

V. Marti, W. Adam, G. Hermenegildo, A. Corma

Medium Effects on the Singlet-Triplet Photoreactivity of Norbornene-Annulated Azoalkanes in Zeolites

Poster 14th International Conference on the Chemistry of the Organic Solid State, ICCOSS XIV,

University of Cambridge, Robinson College

Cambridge, UK

25. July - 30. July 1999

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O. Emmert, W. Adam

The EPR-Spectral D Parameter of Cyclopentane-1,3-Diyl Triplet Diradicals as a Measure of Steric Effects in Allylic Radicals

Poster, 19th Conference on Photochemistry

Durham, USA

30. July - 8. August 1999

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L. Blancafort, W. Adam, D. González, M. Olivucci, T. Vreven, M. A. Robb

Theoretical Study of the 1,2 Rearrangement of the Housane Radical Cation: Key Role of a Transient Cyclopentane-1,3-diyl Intermediate

WATOC '99 Conference

London, England

1. August - 6. August 1999

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N. Bottke, W. Adam

Hydroxy-Group Directivity in the Nitroso Ene Reaction: A Novel Route to the Diastereoselective Amination of Chiral Allylic Alcohols

Poster, 37th IUPAC Congress and 27. GDCh General Meeting

Berlin, Germany

14. August - 19. August 1999

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H.-G. Degen, W. Adam

Diastereoselectivity in the [4+2] Cycloaddition of Singlet Oxygen and PTAD with Sorbic-Acid Derivatives Induced by Chiral Auxiliaries

Poster, 37th IUPAC Congress and 27. GDCh General Meeting

Berlin, Germany

14. August - 19. August 1999

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B. Fröhling, W. Adam, S. Weinkötz

Thermal and Photochemical 1,3-Dipolar Cycloaddition of a Sulfine (Fluorene S-oxide) to the Strained Triple Bond of Cyclooctyne

Poster, 37th IUPAC Congress and 27. GDCh General Meeting

Berlin, Germany

14. August - 19. August 1999

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S. Marquardt, W. Adam, C. R. Saha-Möller

Oxidative DNA Damage in the Photolysis of N-Hydroxy-2-pyridone, a Specific Hydroxyl-Radical Source

Poster, 37th IUPAC Congress and 27. GDCh General Meeting

Berlin, Germany

14. August - 19. August 1999

800

M. Möller, H. Stopper, G. N. Grimm, C. R. Saha-Möller

Mechanistic Elucidation of Cytotoxicity Induced in Mouse Lymphoma L5178Y Cells by Alkoxy Radicals Generated in the Photolysis of N-Alkoxy-pyridine-Thiones

Poster, 37th IUPAC Congress and 27. GDCh General Meeting

Berlin, Germany

14. August - 19. August 1999

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O. Emmert, W. Adam

Spin Delocalization of Various Substituents Assessed by the EPR-Spectral D Parameter of Cyclopentane-1,3-diyl Triplet Diradicals

Poster, 37th IUPAC Congress and 27. GDCh General Meeting

Berlin, Germany

14. August - 19. August 1999

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Pastor, W. Adam, T. Wirth

Chiral 2,2-Dimethyloxazolidines as Efficient Auxiliaries for Diastereoselective Dioxirane Epoxidation of the Tiglic Acid

Poster, 37th IUPAC Congress and 27. GDCh General Meeting

Berlin, Germany

14. August - 19. August 1999

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K. Schmid, W. Adam, C. R. Saha-Möller

Synthesis of Optically Active Unsaturated Hydroperoxy Alcohols from Racemic Homoallylic Alcohols by Enzyme-Catalyzed Kinetic Resolution and Photooxygenation

Poster, 37th IUPAC Congress and 27. GDCh General Meeting

Berlin, Germany

14. August - 19. August 1999

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H. Kilic, W. Adam

Synthesis of Phenol-2,5-endoperoxide and Investigation of its Chemistry

Oral Presentation, Poster, XIII National Chemistry Congress

Samsun, Turkey

31. August - 4. September 1999

805

Andina, A. Kyagova, N. Yurikova, M. Neklyukova, A. Potapenko, W. Adam, C. R. Saha-Möller  
Immunosuppression Induced by the Photooxidation Products of Furocoumarins (Psoralens)  
Poster, 8th Congress of the European Society for Photobiology (ESP)

Granada, Spain

3. September - 8. September 1999

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M. A. Arnold, W. Adam, C. R. Saha-Möller  
Photooxidative DNA Damage Induced by Electronically Excited Species Generated in the  
Thermolysis of Dioxetanes

Oral Presentation, 8th Congress of the European Society for Photobiology (ESP)

Granada, Spain

3. September - 8. September 1999

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M. Möller, H. Stopper, W. Adam, G. N. Grimm, C. R. Saha-Möller  
Mechanistic Elucidation of Cytotoxicity Induced in Mouse Lymphoma L 5178 Y Cells by Alkoxy  
Radicals Generated in the Photolysis of N-Alkoxy-pyridine-thiones

Oral Presentation, 8th Congress of the European Society for Photobiology

Granada, Spain

3. September - 8. September 1999

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W. Adam

Enzymes as Workhorses in Catalytic Asymmetric Synthesis

Plenary Lecture, Alexander von Humboldt-Colloquium

La Coruna, Spain

17. September - 19. September 1999

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W. Adam, K. J. Roschmann, C. R. Saha-Möller

Catalytic Asymmetric Aziridination of Enol Derivatives to Optically Active  $\alpha$ -Amino-Ketones by  
Chiral Copper Complexes

Oral Presentation, Graduierten-Kolleg "Metallorganische Chemie"

Edersee, Germany

20. September - 22. September 1999

810

Z. Lukacs, W. Adam, C. R. Saha-Möller, P. Schreier

Microbial Enantioselective Synthesis: Reduction of Hydroperoxides and Hydroxylation of  
Hydrocarbons

Lecture, 4th International Symposium on Biocatalysis and Biotransformations (Biotrans '99)

Giardini Naxos-Taormina, Italy

26. September - 1. October 1999

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W. Adam, H.-G. Degen, A. Pastor, C. R. Saha-Möller, S. B. Schambony, C.-G. Zhao

Preparative Use of Peroxidic Oxidants for Oxygen-Transfer Reactions

Oral Presentation, Abschlußkolloquium des Schwerpunktprogramms "Peroxidchemie:

Mechanistische und präparative Aspekte des Sauerstofftransfers

Würzburg, Germany

6. October - 8. October 1999

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O. Emmert, W. Adam

The EPR-Spectral D Parameter of Cyclopentane-1,3-Diyl Triplet Diradicals as a Measure of Radical Stabilization by Allylic Substituents

Poster, 16. GDCh-Fachgruppentagung Photochemie

München, Germany

11. October - 13. October 1999

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W. Maas, W. Adam, M. Baumgarten

The First Localized High-Spin Hexaradical Through Triple Photo-Denitrogenation: A Mechanistic Study

Poster, 16. Vortragstagung der GDCh-Fachgruppe Photochemie

München, Germany

11. October - 13. October 1999

814

V. R. Stegmann, W. Adam, C. R. Saha-Möller

Regio- und diastereoselektive Patern $\beta$ -Büchi-Reaktion von Allylkohlen und aromatischen Ketonen

Poster, 16. Vortragstagung der GDCh-Fachgruppe Photochemie

München, Germany

11. October - 13. October 1999

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Z. Lukacs, W. Adam, C. R. Saha-Möller, P. Schreier

Microbial Enantioselective Synthesis: Reduction of Hydroperoxides and Hydroxylation of Hydrocarbons

Lecture, 4th International Symposium on Biocatalysis and Biotransformations (Biotrans '99)

Giardini Naxos-Taormina, Italy

26. September - 1. October 1999

816

M. Vicente, W. Adam, H. Garcia, J. N. Moorthy

Homolytic Substitution (SH<sub>2</sub>) versus Triplet Diradical (ISC) in the Photochemical Denitrogenation of a DBH Azoalkane: Temperature-Dependent syn/anti Diastereoselectivity as a Mechanistic Probe for the Doubly-Inverted Housane

Oral Presentation, Workshop am Max-Planck-Institut für Physik

München, Germany

25. October - 27. October 1999

817

W. Adam, T. Heidenfelder, L. Blancafort

The Generation of 1,3-Cyclopentandiyl Radical Cations and their Rearrangement to Cyclopentenes

Lecture, 5th Latin American Conference on Physical Organic Chemistry, CLAFQO

Vina del Mar, Chile

1. November - 5. November 1999

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W. Adam

Biocatalyzed Oxidations

Distinguished Chemist Lecture, DSM Research Group

Geleen, The Netherlands

8. December 1999

819

C. Mock-Knoblauch, W. Adam

Spiele MnIV-Verbindungen bei der katalytischen Epoxidierung mit MnIII(salen)-Komplexen eine Rolle

Oral Presentation, Internes Seminar des SFB 347

Würzburg, Germany

11. January 2000

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W. Adam

Dioxiran, ein Jahrhundert-Oxidans?

GDCh-Lecture

Kaiserslautern, Germany

25. January 2000

821

W. Adam

Stereoselective Photooxygenations: Mechanistic Aspects and Synthetic Applications

Special Topics Course, University of Bilbao

Bilbao, Spain

23. February - 25. February 2000

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W. Adam

Stereoselective Metal-Catalyzed Epoxidations with Titanium(IV), Rhenium (VII) and Manganese(III) Complexes

Special Topics Course, University of Bilbao

Bilbao, Spain

23. February - 25. February 2000

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W. Adam

Biocatalytic Oxidations with Enzymes and Microorganisms

Special Topics Course, University of Bilbao

Bilbao, Spain

23. February - 25. February 2000

824

W. Adam

Das Glühwürmchen als leuchtendes Vorbild: Dioxetansonden für Chemilumineszenz-Immunoassay

Lecture, Festkolloquium anlässlich des 70. Geburtstags von Prof. Dr. M. Schulz

Halle, Germany

16. March 2000

825

W. Adam

Problems with Oxidations? Try Dioxiranes!

Lecture, REDOX 2000

London, England

12. April 2000

826

W. Adam, A.V. Trofimov

Does the Electron Jump or is Charge Transferred in the Triggered CIEEL Mechanism of Dioxetanes?

Lecture, Dresden Chemiluminescence Days

Dresden, Germany

10. May - 13. May 2000

827

A.V. Trofimov, R.F. Vasil'ev, W. Adam

Elucidation of Thermally and Electron-Transfer-Induced Dioxetane Chemiluminescence by Semiempirical PM3 Method

Lecture, Dresden Chemiluminescence Days

Dresden, Germany

10. May - 13. May 2000

828

W. Adam

Stereoselektive Oxidationen mit Singulett-Sauerstoff: Mechanistische Aspekte und Synthetische Anwendungen

Colloquium, University of Erlangen-Nürnberg

Erlangen, Germany

6. June 2000

829

R. Bargon, W. Adam

Diastereoselective Episulfidation of Strained Cyclic Alkenes by Bis(diethylcarbamodithioato-S,S')(dithio)oxomolybdenum(VI)

Poster, Organic Chemistry of Sulfur Symposium

London, England

25. June - 30. June 2000

830

M. Makosza, W. Adam, C.-G. Zhao, M. Surowiec

New Synthesis of Methylenequinones by Oxidation of Nitrobenzylic Carbanions with Dimethyldioxirane

Poster, ICOS-13

Warszawa, Poland

15. July 2000

831

W. Adam

Die Natur als Vorbild: Vom Glühwürmchen zu Leuchtsonden für klinische Anwendungen

Lecture, JUMAX 2000, Tag der Chemie und Pharmazie

Würzburg, Germany

7. July 2000

832

M. Diederich, W. Adam

Radical Stabilization by a Remote p Bond in the Photochemical Denitrogenation of Azoalkanes

Poster, XVIII IUPAC Symposium on Photochemistry

Dresden, Germany

22. July - 27. July 2000

833

V. Stegmann, W. Adam

Temperature-Dependent Diastereoselectivity in the [2+2] Photocycloaddition (Paternò-Büchi Reaction) of Benzophenone to cis- and trans-Cyclooctene

Poster, XVIII IUPAC Symposium on Photochemistry

Dresden, Germany

22. July - 27. July 2000

834

W. Adam

Biokatalytische Oxidationen mit Enzymen und Mikroorganismen

Lecture, 'Umwelt- und ressourcenschonende Synthesen und Prozesse', Tagung der Liebig-Vereinigung für Organische Chemie und der Fachgruppe Umweltchemie und Ökoto

Oldenburg, Germany

4. September - 6. September 2000

835

W. Adam

Biocatalytic Oxidations with Enzymes and Microorganisms

Lecture, 2nd International Conference on Oxidation in Organic Chemistry

York, UK

6. September - 8. September 2000

836

Z. Lukacs, C.R. Saha-Möller, W. Adam

Enantioselective Reduction of Racemic Hydroperoxides and Asymmetric CH Oxidation of Hydrocarbons by Microorganisms

Poster, IV. International Symposium SFB 347 'Selective Reactions of Metal-Activated Molecules' Würzburg, Germany

20. September - 22. September 2000

837

W. Adam, R.M. Bargon, P. Bheema Rao, K. Roschmann, C.R. Saha-Möller, K. Schmid, V. Stegmann

Catalytic Selective Oxyfunctionalizations by Metal Complexes and Enzymes

Poster, IV. International Symposium SFB 347 'Selective Reactions of Metal-Activated Molecules' Würzburg, Germany

20. September - 22. September 2000

838

K. Tanaka, W. Adam, W. Maas, M. Baumgarten, S. Nakazawa, K. Sato, D. Shiomi, T. Takui

Electronic and Molecular Structures of 1,3-Cyclopentenediyl-Based High-Spin Molecules as Studied by CW-EPR and Pulsed 2D-Electron-Spin Transient Nutation Spectroscopy

Poster, VIIth International Conference on Molecule-Based Magnets

San Antonio, Texas, USA

16. September - 21. September 2000

839

K.J. Roschmann, W. Adam

Kinetic Resolution of Aryl-substituted Allylic Alcohols by Enantioselective Epoxidation with Chiral Mn(III) (salen) Catalysts

Poster, Drug Discovery 2000, Pfizer Company

Sandwich, UK

20. September - 29. September 2000

840

C.R. Saha-Möller, W. Adam

Darstellung optisch aktiver oxyfunktionalisierter Substrate durch Biokatalyse mit Oxidoreduktasen

Vortrag, VAAM-Fachgruppentagung 'Biotransformationen'

Konstanz, Germany

28. September - 29. September 2000

841

P. Bheema Rao, W. Adam

Asymmetric Weitz-Scheffer Epoxidation of  $\alpha,\beta$ -Enones by Optically Active Hydroperoxides

Alexander-von-Humboldt Meeting

Göttingen, Germany

4. October 2000

842

W. Adam

Regio- and Diastereoselective Rearrangement of Cyclopentane-1,3-diyl Radical Cations Generated by Electron Transfer

Lecture, Symposium 'Electron Transfer in Inorganic and Organic Chemistry', University of Münster

Münster, Germany

16. November - 17. November 2000

843

M.A. Chadoura, A.A. Kyagova, N.A. Larina, A.Ya. Potapenko, W. Adam, C.R. Saha-Möller

Hydroperoxide of Furocoumarin Alloimperatorin as Photo-Phenton Agent, Damaging Respiratory Burst of Neutrophils

Poster, 3rd Internet Conference for Photobiology

Internet

24. November - 24. December 2000

844

K.J. Roschmann, W. Adam

Kinetische Racematspaltung von arylsubstituierten Allylalkoholen durch enantioselektive Epoxidierung mit chiralen MnIII(salen)-Katalysatoren

Oral Presentation, 42. Sitzung des DECHEMA-Arbeitsausschusses 'Kinetik und Reaktionsmechanismen'

Frankfurt, Germany

15. January 2001

845

H.-G. Degen, W. Adam

Asymmetrische Epoxidierung von  $\alpha,\beta$ -ungesättigten Ketonen mit optisch aktiven Hydroperoxiden

Oral Presentation, Stipendiatentreffen des Fonds der Chemischen Industrie

Würzburg, Germany

9. February 2001

846

S. Schambony, W. Adam

Auxiliarinduzierte Diastereoselektivität in der En-Reaktion von Singulett-Sauerstoff mit chiralen oxazolidinsubstituierten Alkenen

Oral Presentation, Stipendiatentreffen des Fonds der Chemischen Industrie

Würzburg, Germany

9. February 2001

847

W. Adam

Chemistry of Dioxiranes: Selective Oxidations

Special Topics Course

Ljubljana, Slovenia

14. February - 18. February 2001

848

W. Adam

Stereo-Controlled Photooxygenations

Special Topics Course

Ljubljana, Slovenia

14. January - 18. February 2001

849

W. Adam

Selective Metal-Catalyzed Oxyfunctionalization

Special Topics Course

Ljubljana, Slovenia

14. February - 18. February 2001

850

W. Adam

Biocatalytic Oxidations with Enzymes and Microorganisms

Special Topics Course

Ljubljana, Slovenia

14. February - 18. February 2001

851

W. Adam

Selektive metallkatalysierte Oxyfunktionalisierungen: ohne Spannung keine Selektivität

Lecture, Universität Jena

Jena, Germany,

4. April 2001

852

W. Adam

Photochemical Generation, Spectroscopy and Chemistry of High-Spin Polyradicals

Lecture, Tulane University

New Orleans, USA

17. April 2001

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W. Adam

Photochemical Generation, Spectroscopy and Chemistry of High-Spin Polyradicals

Lecture, University of New Orleans

New Orleans, USA

20. April 2001

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W. Adam

Photochemical Generation, Spectroscopy and Chemistry of High-Spin Polyradicals

Lecture, University of Cincinnati

Cincinnati, USA

26. April 2001

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W. Adam

Generation, Spectroscopy and Chemistry of High-Spin Polyradicals

Lecture, Wayne State University

Detroit, USA

11. July 2001

856

W. Adam

40 Years of Inquiry into the Mechanism of the Stereoselective Double Inversion in the Photodenitrogenation of Bicyclic Azoalkanes and Still a Puzzle

Lecture, Bowling Green State University

Bowling Green, USA

13. July 2001

857

A. Trofimov, W. Adam

Pressure Dependence in the Photodenitrogenation of Diazabicyclo[2.2.1]hept-2-ene in Supercritical Media: The Stereoselective Formation of the Inverted Housane

Poster, Gordon Conference on "Organic Photochemistry", Connecticut College

New London, CT

15. July - 20. July 2001

858

W. Adam

40 Years of Inquiry into the Mechanism of the Stereoselective Double Inversion in the Photodenitrogenation of Bicyclic Azoalkanes and Still a Puzzle

Lecture, Gordon Research Conference on "Organic Photochemistry", Connecticut College

New London, CT

15. July - 20. July 2001

859

W. Adam, M. Diederich, V. Marti, A. Trofimov

Stereoselective Inversion in the Photochemical Denitrogenation of the Diazabicyclo[2.2.1]Heptene(DBH)-Type Azoalkanes

Lecture, "XX International Conference on Photochemistry", Russian Academy of Science

Moscow, Russia

30. July - 4. August 2001

860

W. Adam, H. Kilic

An Efficient Asymmetric Synthesis of the Epoxy-Quinol Functionality as Optically Active Building Block for the Natural Products Alisamycin and Asukamycin

Lecture, 15th National Chemistry Congress

Istanbul, Turkey

3. September - 7. September 2001

861

A. Kyagova, N. A. Larina, I. G. Kozlov, E. S. Andina, A. Ya. Potapenko, W. Adam, C. R. Saha-Möller  
Suppression of Delayed and Contact Hypersensitivity Induced by Products of Alloimperatorin  
Photooxidation

Poster, 9th Congress of the European Society for Photobiology

Lillehammer, Norway

3. September - 8. September 2001

862

H. Okamoto, W. Adam; J. Hartung, C.R. Saha-Möller, K. Spehar

N-Hydroxy- and N-Alkoxythiazole-2(3H)-thiones as Novel Photo-Fenton Reagents: Photo-  
Induced Oxyl-Radical Release and DNA Strand Breaks

Poster, Symposium on Photochemistry 2001

Kanazawa, Japan

10. September - 12. September 2001

863

W. Adam, O. Krebs

The Diastereoselective Ene Reaction of Nitrosoarene, Triazolinedione and Singlet Oxygen with  
Tiglic Amides: Efficient  $\alpha$ -Facial Control Through the Bornane-Derived Sultam as Chiral Auxiliary

Poster, Pfizer "Drug Discovery"

Sandwich, England

19. September - 21. September 2001

864

W. Adam, A. Trofimov

Electron-Transfer-Induced Dioxetane Chemiluminescence

Lecture, GDCh-Jahrestagung, Fachgruppe Angewandte Elektrochemie,  
"Elektronenübertragungen in Chemie und Biochemie"

Würzburg, Germany

23. September - 29. September 2001

865

W. Adam

Metal-Catalyzed Oxyfunctionalizations: No Strain, No Selectivity!

Lecture, XIII National Symposium on Organic Chemistry

Córdoba, Argentina

11. November - 14. November 2001

866

W. Adam

Stereoselektive Oxidation mit Singulett-Sauerstoff: Mechanistische Aspekte und Synthetische  
Anwendungen

GDCh-Lecture, Freie Universität Berlin

Berlin, Germany

24. January 2002

867

W. Adam

Stereoselektive Photooxygenierung: Ohne Spannung - keine Selektivität

GDCh-Lecture, Universität Potsdam

Potsdam, Germany

25. January 2002

868

W. Adam

Die Ungewöhnliche Stereochemische Doppelinversion in der Stickstoffspaltung aus Bicyclischen Azoalkanen: Ein Mechanistischen Rätsel seit 40 Jahren

GDCh-Lecture, Universität Hamburg

Hamburg, Germany

31. January 2002

869

W. Adam

Dioxiran, das Millenium-Oxidans

GDCh-Lecture, Universität zu Köln

Köln, Germany

4. February 2002

870

W. Adam

Hundert Jahre Kleinring - Peroxidchemie: Dioxirane und Dioxetane, von Kuriositäten zu Werkzeugen

Lecture, Festkolloquium anlässlich des 100. Geburtstages von Prof. R. A. Rieche, Friedrich-Schiller-Universität Jena

Jena, Germany

3. May - 4. May 2002

871

W. Adam

Stereoselective Metal-Catalyzed Epoxidations by Peroxy, Peroxo and Oxo Complexes: without Strain, no Selectivity

Lecture, Workshop "Stereoselective Transformations of Heterocyclic Compounds", University of Debrecen

Debrecen, Hungary

26. May - 27. May 2002

872

T. Patonay, W. Adam, A. Kiss, A. Lévai

Stereoselective Oxidations of Benzopyrans, Benzofurans and Related Compounds

Lecture, Workshop "Stereoselective Transformations of Heterocyclic Compounds", University of Debrecen

Lecture, Workshop "Stereoselective Transformations

26. May - 27. May 2002

873

R. Zhang, W. Adam, C. R. Saha-Möller

Selective Oxidations Catalyzed by the 'Sandwich'-Type Polyoxometalates

Lecture, 2nd Technical Meeting "SUSTOX", University of Lille

Lillie, France

28. June - 19. June 2002

874

M. A. Chadoura, A. A. Kyagova, A. Ya. Potapenko, W. Adam, C. R. Saha-Möller  
Modulation of Respiratory Burst of Microphages and Neutrophils by Oxyfunctionalized  
Photoproducts of Furocoumarin Alloimperatorin  
Poster, International Symposium "Reactive Oxygen and Nitrogen Species: Diagnostics,  
Preventive and Therapeutic Values", St. Petersburg-Kizhi  
St. Petersburg, Russia  
8. July - 12. July 2002

875

C. P. Librera, W. Adam, A. V. Trofimov  
Viscosity-Controlled Product Selectivity in the Electron-Transfer-Catalyzed Rearrangement of a  
Housane-Derived Radical Cation  
Poster, XIX IUPAC Symposium on Photochemistry  
Budapest, Hungary  
14. July - 19. July 2002

877

W. Adam, A. B. Penenory, M. Puiatto, J. R. Argüello  
Enzymatic Oxidations of Sulfides: Electron-Transfer versus Oxygen-Transfer Mechanisms  
Poster, ICPOC 16  
San Diego, USA  
4. August - 9. August 2002

878

W. Adam  
Photooxidation: Singlet Oxygen  
Special Topics Course on Oxidation Chemistry  
La Paz, Bolivia  
12. August 2002

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W. Adam  
Non-Metal Oxidations: Dioxiranes  
Special Topics Course on Oxidation Chemistry  
La Paz, Bolivia  
13. August 2002

880

W. Adam  
Metal-Catalyzed Oxidations: Titanium (Sharpless/Katsuki), Rhenium (Herrmann) and  
Manganese (Jacobsen/Katsuki)  
Special Topics Course on Oxidation Chemistry  
La Paz, Bolivia  
14. August 2002

881

W. Adam  
Biocatalytic Oxidations: Enzymes and Microorganisms  
Special Topics Course on Oxidation Chemistry  
La Paz, Bolivia  
15. August 2002

882

W. Adam

Photobiological Oxidations of DNA: Triplet States and Oxyl Radical  
Special Topics Course on Oxidation Chemistry

La Paz, Bolivia

16. August 2002

883

L. Vranicar, F. Pozgan, A. Lévai, M. Kocevar, G. Toth, A. Simonc, W. Adam

Pyran-2-Ones and Fused Pyran-2-ones as Versatile Building Blocks in Stereoselective Synthesis  
Poster, Cost D 12 Workshop

Arcachon, France

25. September - 29. September 2002

884

J.R. Chapman, N.J. Turro, T. Poon, P. Lakshminarasimhan, S. Bosio, W. Adam, S. Jockusch, X. Lei,  
Z. Liu, V. Ramamurthy

An Investigation of the Induction Capabilities of Oxazolidinones in the Enantioselective  
Formation of Methyldeoxybenzoin

Poster, 225th ACS National Meeting (Abstract CHED-394)

New Orleans, LA

23. March - 27. March 2003

885

W. Adam

Versatile and Convenient Oxidants for Synthetic Applications and Mechanistic Oxygen-Transfer  
Studies

Lecture, Proctor & Gamble Co

Cincinnati, Ohio, USA

29. May 2003

886

W. Adam, T. Heidenfelder, C. P. Librera , A.V. Trofimov

The Mechanism of the Regioselective and Stereoselective Rearrangement of Housane-Type  
Radical Cations: Are such Electron-Deficient Species to be Viewed as Radicals, Cations, or a Bit  
of Both?

Plenary Lecture, 6th International Symposium of the Volkswagen-Stiftung on Intra- and  
Intermolecular Electron Transfer

Walberberg, Germany

29. October - 1. November 2003

887

W. Adam, Porque Debo Estudiar

CIENCIAS NATURALES?

Lecture Dedicated to the "Cuadro de Honor 2003", 60th Anniversary of the Natural Science  
Faculty, UPR (Rio Piedras)

San Juan, Puerto Rico

2. December 2003

888

W. Adam

Stereoselective Oxidations with Singlet Oxygen: A Mechanistic Challenge with Synthetic Rewards

Seminar, University of Puerto Rico (Rio Piedras)

San Juan, Puerto Rico

1. March 2004

889

W. Adam

Stereoselective Oxyfunctionalizations with Singlet Oxygen

Lecture, Proctor & Gamble Co.

Lecture, Proctor & Gamble Co.

27. April 2004

890

W. Adam, A.V.Trofimov

On the CIEEL Mechanism of Triggerable Dioxetanes: Does the Electron Jump or is it Charge Transfer?

Plenary Lecture, 13th International Symposium on Bioluminescence and Chemiluminescence

Yokohama, Japan

2. August - 6. August 2004

891

W. Adam

Oxidative DNA Damage Induced by Photochemically Generated Oxyl Radicals

Seminar, University of Puerto Rico, Medical Sciences Campus

San Juan, Puerto Rico

5. October 2004

892

R. Franz, T. Poon, J. Sivaguru, S. Jockusch, N.J. Turro, W. Adam

Mechanistic Insights into the Diastereoselective Photooxidation of Enecarbamates

Oral Presentation, 229th ACS National Meeting (Abstract ORGN-464)

San Diego, CA, USA

13. March - 17. March 2005

893

C. Hooper, T. Poon, R. Franz, J. Sivaguru, S. Jockusch, N.J. Turro, W. Adam

Mechanistic Insight on the Stereoselective Photooxidation of Enecarbamates Using PTAD, a Singlet Oxygen Analog

229th ACS National Meeting (Abstract CHED-439)

San Diego, CA, USA

13. March - 17. March 2005

894

W. Adam

Oxidative DNA Damage by Photo-Generated Oxyl Radicals (Photo-Fenton Chemistry)

Plenary Lecture, 29th Senior Technical Meeting of the ACS-Puerto Rico Section

La Parguera, Lajas, P.R.

4. November 2005

895

W. Adam

Interdisciplinary Research as the Key to the Future in Chemical Education

Lecture Given to Science Majors, Universidad Metropolitana

San Juan, Puerto Rico

18. November 2005

896

W. Adam

Oxidative DNA Damage by Photo-Generated Oxyl Radicals (Photo-Fenton Chemistry)

Lecture, University of Siegen

Siegen, Germany

19. June 2006

897

W. Adam

The Art of Writing a Scientific Manuscript

Special Topics Course, University of Sao Paulo

Sao Paulo, Brazil

4. December - 8. December 2006

898

W. Adam

On the CIEEL Mechanism of Triggerable Dioxetanes: *Does the Electron Jump or is it Charge Transfer?*

Lecture, University of Sao Paulo

Sao Paulo, Brazil

6. December 2006

899

W. Adam

Oxidative DNA Damage by Photo-Generated Oxyl Radicals (*Photo-Fenton Chemistry*)

Lecture, University of Sao Paulo

Sao Paulo, Brazil

14. December 2006

900

W. Adam

Stereo-Controlled Photooxygenations: Singlet Oxygen, the Fun Molecule

Invited Lecture, International Conference on Organic Chemistry (ICOC), 50th Anniversary of the Founding of Atatuerk University

Erzurum, Turkey

5. June - 9. June 2007

901

W. Adam

Ay Bendito, Que Hacemos?

Participant in the PANEL "Science in/for Puerto Rico!", Annual Meeting of the AAAS Caribbean Division, Interamerican University (Bayamón Campus)

Bayamon, Puerto Rico

20. October 2007

902

W. Adam

Guided Inquiry Experiments for General Chemistry: Practical Problems and Applications

Nancy Konigsberger Kerner and Ram Sarup Lamba, John Wiley & Sons, Inc., Hoboken, New Jersey, Book Presentations, University of Puerto Rico

Cayey Campus, Cayey, P.R.

9. May 2008

903

W, Adam, Organizer

Current Interdisciplinary Trends in Organic Chemistry

SERMACS 2009, 61st Southeastern Regional Meeting of the American Chemical Society

San Juan, Puerto Rico

23. October 2009