



ACS Online

โดย จิรวัดน์ พรหมพร

jirawat@book.co.th

แผนกฝึกอบรมฐานข้อมูล

บริษัท บั๊ด ปิรมิชั่น แอนด์ เซอร์วิส จำกัด

ปรับปรุงครั้งล่าสุด 09/05/50



ACS PUBLICATIONS
HIGH QUALITY. HIGH IMPACT.

Introduction

เป็นฐานข้อมูลวารสารอิเล็กทรอนิกส์จาก
สำนักพิมพ์ American Chemical Society
ครอบคลุมสาขาวิชาเคมีและสาขาอื่นๆ ที่เกี่ยวข้อง
โดยสามารถเข้าดูวารสารได้จำนวน 24 รายชื่อ
ย้อนหลังตั้งแต่ปี 1996 – ปัจจุบัน ประกอบด้วย
รายการทางบรรณานุกรม สารสังเขป และเอกสาร
ฉบับเต็มรูปแบบ HTML และ PDF



ACS PUBLICATIONS
HIGH QUALITY. HIGH IMPACT.

Journal Lists

24 Journals Online

- Accounts of Chemical Research
- Analytical Chemistry
- Biochemistry
- Bioconjugate Chemistry
- Biotechnology Progress
- Chemical Research in Toxicology
- Chemical Reviews
- Chemistry of Materials
- Energy and Fuels
- Environmental Science and Technology
- Industrial and Engineering Chemistry Research
- Inorganic Chemistry



ACS PUBLICATIONS
HIGH QUALITY. HIGH IMPACT.

Journal Lists

24 Journals Online

- Journal of Agricultural and Food Chemistry
- Journal of Chemical and Engineering Data
- Journal of Chemical Information and Modeling
- Journal of Medicinal Chemistry
- Journal of Natural Products
- Journal Of Organic Chemistry
- Journal Of Physical Chemistry, The
- Journal Of The American Chemical Society
- Longmuir
- Macromolecules
- Organic Process Research and Development
- Organometallics

Search Method

1. Browse Journal

2. Search

ACS Publications

- Home Page
- ACS Journals A-Z
- Advanced Search
- E-mail Alerts & RSS Feeds **RSS**
- C&EN
- Chemjobs
- ACS Books

Authors & Reviewers

- Submit & Review
- Ethical Guidelines
- Copyright/Permissions
- About ACS Paragon Plus Environment

Institutions

- Subscription Info
- Librarian Resource Center
- LiveWire Newsletter
- ACS Legacy Archives

ACS Members

- Subscription Info
- Recommend ACS Journals to your Library (PDF)
- Join ACS

Contact & Help

- E-mail Help Desk

Publications

About ACS Publications

ACS Journals

ACS publishes many of the world's most-cited, most-respected peer-reviewed research journals.



- ▶ [ACS Journals A-Z](#)
- ▶ [Journal Article Search](#)

C&EN

A weekly magazine, free to ACS members, covering science and technology, business and industry, government and policy, education, and employment aspects of the chemistry field.

ACS Books

ACS publishes 35–40 new books each year and maintains a backlist of more than 500 titles.

- ▶ [The ACS Style Guide: Effective Communication of Scientific Information, 3rd Edition](#)

Most-Cited in Chemistry

"The Most" website

Get "The Most" from ACS Journals



ACS Journals rank #1 in citations or ISI® Impact Factor in 14 ISI® categories, including the 7 ISI® core chemistry categories.

- ▶ [2005 Citation and ISI® Impact Factor data for ACS Journals](#)
- ▶ [Most-Cited Articles](#)
- ▶ [Hot Papers](#)

About ACS Publications

The American Chemical Society is the leading publisher of peer-reviewed research journals in the chemical and related sciences, serving scientific communities worldwide through an unparalleled commitment to quality, reliability, and innovation. [Read More](#)

Announcements

All Announcements

ACS Value-Based Pricing

ACS has introduced a new value-based pricing model for the 2008 subscription year.



ACS Nano

ACS Nano is a new international forum for full-length articles in nanoscience and nanotechnology.



C&EN Latest News

Latest News RSS Feed | C&EN Online

May 8, 2007

Climate-Change Solutions

Cost of stabilizing CO₂ is high but manageable, science panel says.



Brazil Breaks Patent On A Merck Drug

Despite drug maker's patent on AIDS drug, Brazil plans to import cheaper generic.

May 7, 2007

AUTHORS & REVIEWERS

Tools for Authors & Reviewers

- ▶ [Submission & Review](#)
- ▶ [Copyright](#)
- ▶ [Ethical Guidelines](#)

Advertisements



Join ACS

Access the latest research in science news



JOIN NOW

Subscriptions to C&EN & Chemistry

Member-only journals

Chemical Abstracts Service

ACS Publications

Home Page

ACS Journals A-Z

Advanced Search

E-mail Alerts & RSS Feeds **RSS**

C&EN

Chemjobs

ACS Books

Authors & Reviewers

Submit & Review

Ethical Guidelines

Copyright/Permissions

About ACS Paragon Plus
Environment

Institutions

Subscription Info

Librarian Resource Center

LiveWire Newsletter

ACS Legacy Archives

ACS Members

Subscription Info

Recommend ACS Journals to your
Library (PDF)

Join ACS

Publications

The American Chemical Society is the leading publisher of peer-reviewed research journals in the chemical and related sciences, serving scientific communities worldwide through an unparalleled commitment to quality, reliability, and innovation.

Peer-Reviewed Journals

Accounts of Chemical Research
ACS Chemical Biology
ACS Nano **NEW IN 2007**
Analytical Chemistry

▶ I&EC Analytical Edition (1929-1946)

Biochemistry
Bioconjugate Chemistry
Biomacromolecules
Biotechnology Progress—Copublished with
the Am. Inst. of Chem. Engineers

Chemical Research in Toxicology
Chemical Reviews
Chemistry of Materials
Crystal Growth & Design

Energy & Fuels
Environmental Science & Technology

Industrial & Engineering Chemistry
Research

▶ Journal of I&EC (1909-1922)

Journal of Agricultural and Food
Chemistry
Journal of the American Chemical Society
Journal of Chemical & Engineering Data

▶ I&EC Chem and Eng Data Series (1956-
1958)

Journal of Chemical Information and
Modeling (formerly Journal of Chemical
Information and Computer Sciences)

▶ Journal of Chemical Documentation (1961-
1974)

Journal of Chemical Theory and
Computation
Journal of Combinatorial Chemistry
Journal of Medicinal Chemistry
Journal of Natural Products—Copublished
with the Am. Soc. of Pharmacognosy
The Journal of Organic Chemistry
The Journal of Physical Chemistry A
The Journal of Physical Chemistry B
The Journal of Physical Chemistry C **NEW
IN 2007**

AUTHORS & REVIEWERS

Tools for Authors &
Reviewers

▶ Submission & Review

▶ Copyright

▶ Ethical Guidelines

Publications

▶ ACS Publications Peer-
Reviewed Journals

▶ C&EN

▶ ACS Division Journals

▶ Books

▶ Supplements

ACS Journals A-Z

▶ Alphabetically

▶ Subject Areas

Journal Features

▶ Sample Issues

▶ Cover Art Catalogs

Subscription Information

▶ Institutions

▶ Individual Members

1. เลือกไล่เรียงตามลำดับอักษร

2. เลือกชื่อวารสารที่ต้องการ

ACS Publications

Home Page

ACS Journals A-Z

Advanced Search

E-mail Alerts & RSS Feeds **RSS**

C&EN

Chemjobs

ACS Books

Authors & Reviewers

Submit & Review

Ethical Guidelines

Copyright/Permissions

About ACS Paragon Plus Environment

Institutions

Subscription Info

Librarian Resource Center

LiveWire Newsletter

ACS Legacy Archives

ACS Members

Subscription Info

Recommend ACS Journals to your Library (PDF)

Join ACS

Publications

The American Chemical Society is the leading publisher of peer-reviewed research journals in the chemical and related sciences, serving scientific communities worldwide through an unparalleled commitment to quality, reliability, and innovation.

Peer-Reviewed Journals by Subject Area

Agriculture

Journal of Agricultural and Food Chemistry **2**

Biochemical Research Methods

ACS Chemical Biology

Bioconjugate Chemistry

Journal of Proteome Research

Biochemistry, Molecular Biology

ACS Chemical Biology

Biochemistry

Bioconjugate Chemistry

Biomacromolecules

Journal of Proteome Research

Molecular Pharmaceutics

Biotechnology, Applied Microbiology

ACS Chemical Biology

Biotechnology Progress—Copublished with the Am. Inst. of Chem. Engineers

Computer Science, Info Systems

Journal of Chemical Information and Modeling (formerly Journal of Chemical Information and Computer Sciences)

Journal of Chemical Documentation (1961-1974)

Computer Science, Interdisciplinary Apps

Journal of Chemical Information and Modeling (formerly Journal of Chemical Information and Computer Sciences)

Journal of Chemical Documentation (1961-1974)

Crystallography

Crystal Growth & Design

Engineering, Chemical

C&EN

Energy & Fuels

Industrial & Engineering Chemistry Research

AUTHORS & REVIEWERS

Tools for Authors & Reviewers

Submission & Review

Copyright

Ethical Guidelines

ACS Journals A-Z

Alphabetically

Subject Areas **1**

Journal Features

Sample Issues

Cover Art Catalogs

Subscription Information

Institutions

Individual Members

1. เลือกไล่เรียงตามกลุ่มหัวเรื่อง

2. เลือกชื่อวารสารที่ต้องการ

Journal of Agricultural and Food Chemistry

- Home Page
- Most-Accessed Articles
- Supporting Information
- JAFC In the News
- Sample Issue
- Author Index
- Masthead [PDF]
- About the Journal

Authors / Reviewers

- ACS Paragon System
- Ethical Guidelines
- Info for Authors
- Submit a Manuscript
- Info for Reviewers
- Submit a Review
- Copyright/Permissions

Institutions

- Subscription Info
- Librarian Resource Center
- LiveWire Newsletter
- ACS Legacy Archives

ACS Publications

- Home Page
- ACS Journals A-Z
- Advanced Search
- E-mail Alerts & RSS Feeds **RSS**

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY

Chemistry and biochemistry of agriculture and food along with safety, composition and processing; including feeds, pesticides, veterinary drugs, plant growth regulators, fertilizers, and other agro-chemicals with their metabolism, toxicology, and environmental fate and the chemical processes involved in nutrition, phytonutrients, flavors, and aromas.

Editors: James N. Seiber & Associate Editors
Volume: 55, 26 issues

ACS Division of Agricultural and Food Chemistry
ACS Agrochemicals Division

All Articles ASAP | Current Issue | Supporting Information | Author Index

Articles ASAP (As Soon As Publishable)

The Most Recently Published Research

Citation Management

Learn More

Download Selected Citations

Deselect All

Select All

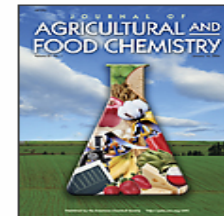
Web Release Date: May 8, 2007

Feedback | Purchase | Select Citation

Midinfrared Spectroscopy for Juice Authentication-Rapid Differentiation of Commercial Juices

Jian He, Luis E. Rodriguez-Saona, and M. Monica Giusti
Web Release Date: 08-May-2007; (Article) DOI: 10.1021/jf062715c

Abstract Full: HTML / PDF (183K)



Current Issue

Browse by Issue

1. Select Decade

2. Select Volume

3. Select Issue

Browse

News & Announcements

- JAFC Associate Editor Russell Molyneux selected as 2006 Kenneth A. Spencer Award recipient
- JAFC #1 in citations (32,470) in Applied Chemistry, Multidisciplinary Agriculture, and Food Science & Technology.
- 11th Annual Green Chemistry and Engineering Conference, June 25-28, 2007 in Washington, DC
- ACS announces agreement with Portico for permanent electronic archiving
- ACS AuthorChoice allows authors to sponsor open access to articles on the Web

Indexed by:



This journal is listed in the U.S. National Library of Medicine's

- คลิกเลือก All Articles ASAP เพื่อดูวารสารฉบับล่วงหน้า
คลิกเลือก Current Issues เพื่อดูวารสารฉบับปัจจุบัน
คลิกเลือก Supporting Information เพื่อดูข้อมูลส่วนเพิ่มเติมในแต่ละฉบับ เช่น ภาพ ตาราง
คลิกเลือก Author Index เพื่อดูรายชื่อผู้แต่งในแต่ละฉบับ
- Browse by Issue เพื่อค้นหาวารสารฉบับย้อนหลัง
- เลือกอ่านเนื้อหาภายในรูปแบบสาระสังเขป(Abstract) หรือเอกสารฉบับเต็ม(Full: HTML/PDF)

ACS Publications

Home Page

ACS Journals A-Z

Advanced Search

E-mail Alerts & RSS Feeds **RSS**

C&EN

Chemjobs

ACS Books

Authors & Reviewers

Submit & Review

Ethical Guidelines

Copyright/Permissions

About ACS Paragon Plus Environment

Institutions

Subscription Info

Librarian Resource Center

LiveWire Newsletter

ACS Legacy Archives

ACS Members

Subscription Info

Recommend ACS Journals to your Library (PDF)

Join ACS

Contact & Help

E-mail Help Desk

Help Center

Sitemap

Print & Web Advertising

Advanced Article Search

[Search Tips](#) | [Search Problems?](#) | [Legacy Archives website](#) | [Search C&EN Online](#)

Advanced Article Search

► Citation Finder

Specify a Citation or a Digital Object Identifier. More about DOI	<i>Citation</i>	or	<i>Digital Object Identifier</i>
	Select a Journal <input type="text"/>		<input type="text"/>
	Vol <input type="text"/> First Page <input type="text"/>		
			<input type="button" value="Search"/>

► Full-Text Search

Basic Search Search by Author, Title, or other key word or phrase. Or narrow your search using the options below. More about Key Word Search	Author <input type="text"/> <input type="button" value="And"/> <input type="button" value="And"/>
	Title <input type="text"/> <input type="button" value="And"/>
	Anywhere in Article <input type="text"/> <input type="button" value="Search"/>
Specify Journal Choose "All Journals" or select one or more journals. More about Selecting Multiple Items	<input type="text" value="All Journals"/> Accounts of Chemical Research ACS Chemical Biology Analytical Chemistry Analytical Chemistry A-Pages I&EC Analytical Edition Biochemistry Bioconjugate Chemistry Biomacromolecules Biotechnology Progress
Timeframe/Date Range Narrow results by choosing a Timeframe or Date Range. More about Timeframe	Timeframe <input checked="" type="checkbox"/> ASAP Articles <input checked="" type="checkbox"/> Current Issue - 1996 <input type="checkbox"/> Legacy Archives 1879-1995 <input type="checkbox"/> All
	Date Range From: <input type="text" value="January"/> / <input type="text" value="YYYY"/> To: <input type="text" value="January"/> / <input type="text" value="YYYY"/>
Display Options	Sort Results By <input type="text" value="Relevance"/> Results Per Page <input type="text" value="10 Results"/>
	<input type="button" value="Search"/> <input type="button" value="Reset Form"/>

Advanced Article Search : Citation Finder

Advanced Article

[Search Tips](#) | [Search Problems](#)

► Citation Finder

Specify a Citation or a
Digital Object Identifier.
[More about DOI](#)

Select a Journal

- Acc. Chem. Res.
- ACS Chem. Biol.
- Anal. Chem.
- Anal. Chem. A-Pages
- Ind. Eng. Chem. Anal. Ed.
- Biochemistry**
- Bioconjugate Chem.
- Biomacromolecules
- Biotechnol. Prog.
- Chem. Mater.

Select a Journal **1**

Vol First Page

Digital Object Identifier

or

 2

3 Search

1. ระบบข้อมูลอ้างอิงที่ต้องการสืบค้น ได้แก่ เลือกชื่อวารสาร, ระบุฉบับที่ (Volume) และเลขหน้าเริ่มต้น (First Page)

2. หรือ เลือกสืบค้นจากหมายเลข DOI (Digital Object Identifier)
เช่น 10.1021/jf062715c

3. คลิก Search

Advanced Article Search : Full-Text Search

► Full-Text Search

Basic Search Search by Author, Title, or other key word or phrase. Or narrow your search using the options below. More about Key Word Search	<p>1</p> <p>2</p> <p>3</p>
Specify Journal Choose "All Journals" or select one or more journals. More about Selecting Multiple Items	<p>4</p>
Timeframe/Date Range Narrow results by choosing a Timeframe or Date Range. More about Timeframe	<p>5</p>
Display Options	<p>6</p> <p>7</p>

1. ระบุเขตข้อมูลที่สืบค้น

2. พิมพ์คำค้น

3. ระบุคำเชื่อม

4. เลือกค้นเฉพาะชื่อวารสารที่ต้องการหรือค้นวารสารทั้งหมด

5. ระบุช่วงเวลาที่ต้องการ

6. เลือกรูปแบบการแสดงผลลัพท์

7. คลิก Search

ACS Publications

Home Page

ACS Journals A-Z

Advanced Search

E-mail Alerts & RSS Feeds **RSS**

C&EN

Chemjobs

ACS Books

Authors & Reviewers

Submit & Review

Ethical Guidelines

Copyright/Permissions

About ACS Paragon Plus Environment

Institutions

Subscription Info

Librarian Resource Center

LiveWire Newsletter

ACS Legacy Archives

ACS Members

Subscription Info

Recommend ACS Journals to your Library (PDF)

Join ACS

Contact & Help

E-mail Help Desk

Help Center

Sitemap

Print & Web Advertising

Advanced Article Search

[Search Tips](#) | [Search Problems?](#) | [Legacy Archives website](#) | [Search C&EN Online](#)

Search Results

Your search matched 19 documents.
1 - 10 are displayed, sorted by [Relevance](#).

Sort By:

Per Page:

Search Within Results:

| [Modify Search](#) | [New Search](#) | [Search Tips](#)

View Results: 1-10 [11-19](#) [next](#)

Citation Management

[Learn More](#)

Current

Select Citation

Identification of 8-Nonenal as an Important Contributor to "Plastic" Off-Odor in Polyethylene Packaging

Sanders, R. A.; Zyzak, D. V.; Morsch, T. R.; Zimmerman, S. P.; Searles, P. M.; Strothers, M. A.; Eberhart, B. L.; Woo, A. K.
J. Agric. Food Chem.; (Article); 2005; 53(5); 1713-1716. DOI: [10.1021/#048395j](#)

Abstract Full: [HTML](#) / [PDF](#) (91k)

Current

Select Citation

Tracer Aroma Compound Transfer from a Solid and Complex-Flavored Food Matrix Packed in Treated Papers or Plastic Packaging Film

Dury-Brun, C.; Lequin, S.; Chaliier, P.; Desobry, S.; Voilley, A.
J. Agric. Food Chem.; (Article); 2007; 55(4); 1411-1417. DOI: [10.1021/#0620867](#)

Abstract Full: [HTML](#) / [PDF](#) (229k)

1. จำกัดผลลัพธ์ให้แคบลง

2. ปรับปรุงการสืบค้น หรือ เริ่มสืบค้นใหม่

3. เลือกอ่านเนื้อหาภายในรูปแบบสาระสังเขป หรือ เอกสารฉบับเต็ม

[\[Journal Home Page\]](#) [\[Search the Journals\]](#) [\[Table of Contents\]](#) [\[PDF version of this article\]](#) [\[Download to Citation Manager\]](#)
[\[Article\]](#)

J. Agric. Food Chem., **53** (5), 1713 -1716, 2005. 10.1021/jf048395j S0021-8561(04)08395-5

Web Release Date: February 11, 2005

Copyright © 2005 American Chemical Society

Identification of 8-Nonenal as an Important Contributor to "Plastic" Off-Odor in Polyethylene Packaging

Robert A. Sanders,* David V. Zyzak, Thomas R. Morsch, Steven P. Zimmerman, Peter M. Searles, Melissa A. Strothers, B. Loye Eberhart, and Amy K. Woo

The Procter & Gamble Company, Winton Hill Business Center, 6300 Center Hill Avenue, Cincinnati, Ohio 45224

Received for review September 24, 2004. Revised manuscript received December 30, 2004. Accepted January 9, 2005.

Abstract:

Food and beverage products stored in polyethylene (PE) containers may absorb some of PE's volatile minor components and become tainted by its characteristic "plastic" odor. High-density PE containers that had imparted "plastic" odor to an experimental corn chip product were analyzed by simultaneous distillation/extraction to remove the volatile components, by gas chromatography/olfactometry (GC/O) to locate the offending components and by 2-D GC/mass spectrometry (MS) to identify the major "plastic" odor contributor (8-nonenal). The identification was made using high-resolution electron ionization and chemical ionization MS data to narrow the possibilities to two isomers of nonenal, followed by retrieval of reference spectra and confirmatory synthesis. By monitoring 8-nonenal in HDPE containers and corn chips it was demonstrated that 8-nonenal tracks with "plastic" aroma observed in containers and with "plastic" flavor observed in corn chips stored in the containers.

Keywords: Polyethylene volatiles; HDPE; 8-nonenal; plastic off-odor; plastic off-flavor; packaging off-odor

[\[Full text in html\]](#)

[\[Full text in pdf\]](#)

เลือกแสดงเอกสารฉบับเต็ม

J. Agric. Food Chem., 53 (5), 1713 -1716, 2005. 10.1021/jf048395j S0021-8561(04)08395-5

Web Release Date: February 11, 2005

Copyright © 2005 American Chemical Society

Identification of 8-Nonenal as an Important Contributor to "Plastic" Off-Odor in Polyethylene Packaging

Robert A. Sanders,* David V. Zyzak, Thomas R. Morsch, Steven P. Zimmerman, Peter M. Searles, Melissa A. Strothers, B. Loye Eberhart, and Amy K. Woo

The Procter & Gamble Company, Winton Hill Business Center, 6300 Center Hill Avenue, Cincinnati, Ohio 45224

Received for review September 24, 2004. Revised manuscript received December 30, 2004. Accepted January 9, 2005.

Abstract:

Food and beverage products stored in polyethylene (PE) containers may absorb some of PE's volatile minor components and become tainted by its characteristic "plastic" odor. High-density PE containers that had imparted "plastic" odor to an experimental corn chip product were analyzed by simultaneous distillation/extraction to remove the volatile components, by gas chromatography/olfactometry (GC/O) to locate the offending components and by 2-D GC/mass spectrometry (MS) to identify the major "plastic" odor contributor (8-nonenal). The identification was made using high-resolution electron ionization and chemical ionization MS data to narrow the possibilities to two isomers of nonenal, followed by retrieval of reference spectra and confirmatory synthesis. By monitoring 8-nonenal in HDPE containers and corn chips it was demonstrated that 8-nonenal tracks with "plastic" aroma observed in containers and with "plastic" flavor observed in corn chips stored in the containers.

Keywords: Polyethylene volatiles; HDPE; 8-nonenal; plastic off-odor; plastic off-flavor; packaging off-odor

Introduction

Food packaging can contribute undesirable off-flavors to the foods stored in them (1). Off-flavors imparted to foods or beverages by polyolefin packaging material may be caused by minor components (indigenous components that survive refining or additives such as plasticizers or antioxidants) in the resins (2), or off-flavors may result from oxidation of polyolefin during polymerization or during

Full Text : PDF

http://pubs.acs.org/cgi-bin/article.cgi/jafcau/2005/53/i05/pdf/jf048395j.pdf - Microsoft Internet Explorer

File Edit Go To Favorites Help

Back Forward Stop Home Search Favorites Refresh Print Mail New Tab

Address http://pubs.acs.org/cgi-bin/article.cgi/jafcau/2005/53/i05/pdf/jf048395j.pdf

Go Links EndNote Web 1.3 Capture Help

Save a Copy Print Search Select 118% Sign

AGRICULTURAL
FOOD CHEMISTRY

J. Agric. Food Chem. 2005, 53, 1713–1716 1713

Identification of 8-Nonenal as an Important Contributor to “Plastic” Off-Odor in Polyethylene Packaging

ROBERT A. SANDERS,* DAVID V. ZYZAK, THOMAS R. MORSCH,
STEVEN P. ZIMMERMAN, PETER M. SEARLES, MELISSA A. STROTHERS,
B. LOYE EBERHART, AND AMY K. WOO

The Procter & Gamble Company, Winton Hill Business Center, 6300 Center Hill Avenue,
Cincinnati, Ohio 45224

Food and beverage products stored in polyethylene (PE) containers may absorb some of PE's volatile minor components and become tainted by its characteristic “plastic” odor. High-density PE containers that had imparted “plastic” odor to an experimental corn chip product were analyzed by simultaneous distillation/extraction to remove the volatile components, by gas chromatography/olfactometry (GC/O) to locate the offending components and by 2-D GC/mass spectrometry (MS) to identify the major “plastic” odor contributor (8-nonenal). The identification was made using high-resolution electron ionization and chemical ionization MS data to narrow the possibilities to two isomers of nonenal, followed by retrieval of reference spectra and confirmatory synthesis. By monitoring 8-nonenal in HDPE containers and corn chips, it was demonstrated that 8-nonenal levels with “plastic” odor

ACS Publications

Home Page

ACS Journals A-Z

Advanced Search

E-mail Alerts & RSS Feeds **RSS**

C&EN

Chemjobs

ACS Books

Authors & Reviewers

Submit & Review

Ethical Guidelines

Copyright/Permissions

About ACS Paragon Plus Environment

Institutions

Subscription Info

Librarian Resource Center

LiveWire Newsletter

ACS Legacy Archives

ACS Members

Subscription Info

Recommend ACS Journals to your Library (PDF)

Join ACS

Contact & Help

E-mail Help Desk

Help Center

Sitemap

Print & Web Advertising

Advanced Article Search

Download Citation

[Search Tips](#) | [Search Problems?](#) | [Legacy Archives website](#) | [Search C&EN Online](#)

Search Results

Your search matched 19 documents.
1 - 10 are displayed, sorted by [Relevance](#).

Sort By:

Per Page:

Search Within Results:

| [Modify Search](#) | [New Search](#) | [Search Tips](#)

View Results: 1-10 [11-19](#) [next](#)

Citation Management

[Learn More](#)

2

Current

Select Citation

Identification of 8-Nonenal as an Important Contributor to "Plastic" Off-Odor in Polyethylene Packaging

Sanders, R. A.; Zyzak, D. V.; Morsch, T. R.; Zimmerman, S. P.; Searles, P. M.; Strothers, M. A.; Eberhart, B. L.; Woo, A. K.
J. Agric. Food Chem.; (Article); 2005; 53(5); 1713-1716. DOI: [10.1021/jf048395j](https://doi.org/10.1021/jf048395j)

[Abstract Full: HTML](#) / [PDF \(91k\)](#)

Current

Select Citation

Tracer Aroma Compound Transfer from a Solid and Complex-Flavored Food Matrix Packed in Treated Papers or Plastic Packaging Film

Dury-Brun, C.; Lequin, S.; Chalier, P.; Desobry, S.; Voilley, A.
J. Agric. Food Chem.; (Article); 2007; 55(4); 1411-1417. DOI: [10.1021/jf0620867](https://doi.org/10.1021/jf0620867)

[Abstract Full: HTML](#) / [PDF \(229k\)](#)

1. เลือกรายการที่ต้องการ

2. คลิกที่ Download Selected Citations

Download to Citation Manager

- ▶ **Choose the type of download.** Note that Abstracts are not available for ACS Legacy Archives (articles published before 1996).

Citation(s) Citation(s) and Abstract(s)

1

- ▶ **Choose a citation manager format.**

EndNote

2

- ▶ **Click the "Back" button to return to the previous page.**

Identification of 8-Nonenal as an Important Contributor to "Plastic" Off-Odor in Polyethylene Packaging

Sanders, R.A., Zyzak, D.V., Morsch, T.R., Zimmerman, S.P., Searles, P.M., Strothers, M.A., Eberhart, B.L., and Woo, A.K.

J. Agric. Food Chem., 53, 5, 1713 - 1716, 2005, 10.1021/jf048395j

Tracer Aroma Compound Transfer from a Solid and Complex-Flavored Food Matrix Packed in Treated Papers or Plastic Packaging Film

Dury-Brun, C., Lequin, S., Chalier, P., Desobry, S., and Voilley, A.

J. Agric. Food Chem., 55, 4, 1411 - 1417, 2007, 10.1021/jf0620867

1. เลือกรูปแบบของข้อมูล

2. เลือกโปรแกรมที่จะถ่ายโอน เช่น EndNote แล้วคลิก Download

ACS Publications

Home Page

ACS Journals A-Z

Advanced Search

E-mail Alerts & RSS Feeds **RSS**

C&EN

Chemjobs

ACS Books

Authors & Reviewers

Submit & Review

Ethical Guidelines

Copyright/Permissions

About ACS Paragon Plus
Environment

Institutions

Subscription Info

Librarian Resource Center

LiveWire Newsletter

ACS Legacy Archives

ACS Members

Alerting Services

ACS Publications now offers two free and easy-to-use services designed to alert users as soon as new ACS Web Edition content is published online. Both methods ensure that you are alerted when new content that interests you becomes available.

E-mail Alerts

ASAP Alerts: You can be the first to know when an article is posted to the Web—either the very day it is published as an Article ASAP (As Soon As Publishable) or on a weekly basis.

Table of Contents Alerts: You can be alerted immediately when the entire contents of a new, complete issue is posted on the Web.

- ▶ [Sign up or modify E-mail Alerts](#)
- ▶ [More about E-mail Alerts](#)

RSS Feeds **RSS**

The technology behind RSS allows you to stay up to date with websites that provide RSS feeds for their content. An RSS reader, also known as an RSS aggregator, collects all the information from the RSS feeds to which you subscribe, allowing you to browse all of this content without having to visit each website.

- ▶ [Choose RSS](#)
- ▶ [Where can I get an RSS reader?](#)

▲ [Return to Top](#)

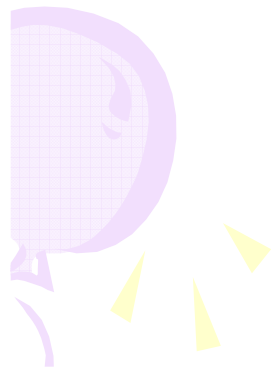
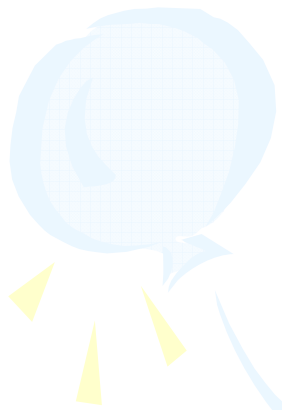
ACS Publications

[Home](#) | [ACS Journals A-Z](#) | [Chemical & Engineering News](#) | [E-mail Alerts/RSS Feeds](#) | [Chemical Abstracts Service](#) | [ChemPort](#)

Customer Services

[Member & Subscriber Services](#) | [Librarian Resource Center](#) | [Customer Service](#) | [Technical Support](#) | [Sitemap](#)

เป็นบริการแจ้งข่าวสารทันสมัยให้ผู้ใช้เกี่ยวกับการอัปเดตบทความใหม่ๆ
ที่นำมาลงออนไลน์ โดยเลือกบอกรับเป็น E-mail Alerts หรือ RSS Feeds



ACS Online