Advertisements

**C&EN** WEBINARS

Info for Advertisers

Browse By Issue

>SciFinder<sup>®</sup>

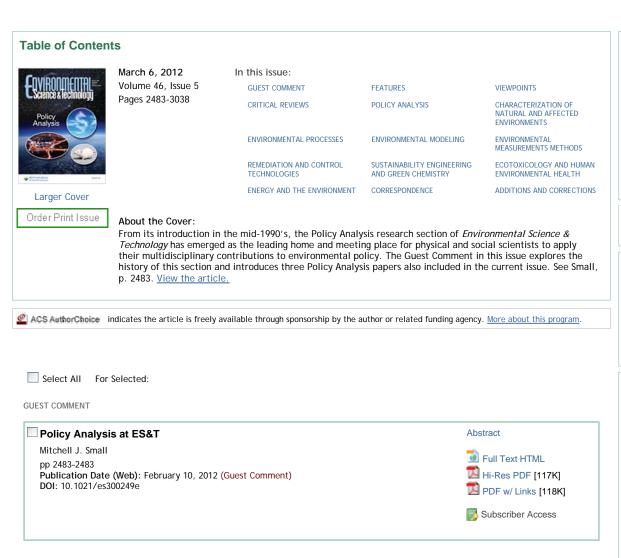
Sign In 🔾



Log In Register Website Demos



Subscriber access provided by SCIENCE AND TECHNOLOGY KNOWLEDGE SERVICES









VIEWPOINTS



### Mixture Toxicity Revisited from a Toxicogenomic Perspective Abstract | Supporting Info Rolf Altenburger, Stefan Scholz, Mechthild Schmitt-Jansen, Wibke Busch, and Beate I. Escher 🚺 Full Text HTML Hi-Res PDF [1482K] Publication Date (Web): January 27, 2012 (Critical Review) DOI: 10.1021/es2038036 🔼 PDF w/ Links [377K] Section: Toxicology Subscriber Access POLICY ANALYSIS A Missing Error Term in Benefit-Cost Analysis Abstract Full Text HTML pp 2523-2528 Hi-Res PDF [357K] Publication Date (Web): December 6, 2011 (Policy Analysis) DOI: 10.1021/es202861z PDF w/ Links [195K] Subscriber Access Potentials for Sustainable Transportation in Cities to Alleviate Climate Change Abstract Full Text HTML Yeganeh Mashayekh, Paulina Jaramillo, Constantine Samaras, Chris T. Hendrickson, Michael Hi-Res PDF [1297K] Blackhurst, Heather L. MacLean, and H. Scott Matthews DF w/ Links [328K] Publication Date (Web): December 20, 2011 (Policy Analysis) DOI: 10.1021/es203353q 房 Subscriber Access Ratcheting Up Cancer Potency Estimates Abstract Edmund A. C. Crouch and Gilbert S. Omenn Full Text HTML Hi-Res PDF [1085K] Publication Date (Web): January 19, 2012 (Policy Analysis) DOI: 10.1021/es204310j PDF w/ Links [303K] Section: Toxicology Subscriber Access Projecting Water Withdrawal and Supply for Future Decades in the U.S. under Abstract | Supporting Info **Climate Change Scenarios** Full Text HTML Sujoy B. Roy, Limin Chen, Evan H. Girvetz, Edwin P. Maurer, William B. Mills, and Thomas M. Grieb Hi-Res PDF [10381K] pp 2545-2556 DF w/ Links [989K] Publication Date (Web): January 12, 2012 (Policy Analysis) DOI: 10.1021/es2030774 Subscriber Access Abstract | Supporting Info Incorporating Time-Corrected Life Cycle Greenhouse Gas Emissions in Vehicle Regulations Full Text HTML Alissa Kendall and Lindsay Price Hi-Res PDF [621K] DF w/ Links [245K] Publication Date (Web): January 27, 2012 (Policy Analysis) DOI: 10.1021/es203098j 🔂 Subscriber Access Section: Air Pollution and Industrial Abstract | Supporting Info Predictive Environmental Risk Assessment of Chemical Mixtures: A Conceptual Framework Full Text HTML Thomas Backhaus and Michael Faust Hi-Res PDF [1505K] pp 2564-2573 Publication Date (Web): January 16, 2012 (Policy Analysis) DF w/ Links [313K] DOI: 10.1021/es2034125 🔂 Subscriber Access Section: Water

CHARACTERIZATION OF NATURAL AND AFFECTED ENVIRONMENTS

## Wet Deposition of Fission-Product Isotopes to North America from the Fukushima Dai-ichi Incident, March 2011

Gregory A. Wetherbee, David A. Gay, Timothy M. Debey, Christopher M.B. Lehmann, and Mark A. Nilles

Publication Date (Web): February 22, 2012 (Article)

DOI: 10.1021/es203217u

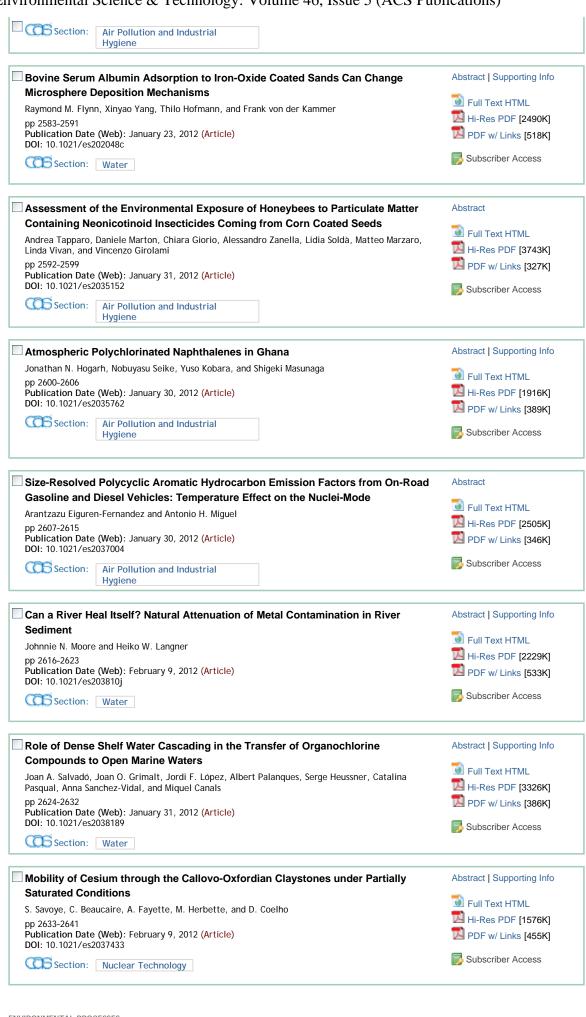
Abstract | Supporting Info

Full Text HTML

Hi-Res PDF [4491K]

PDF w/ Links [549K]

房 Subscriber Access



**ENVIRONMENTAL PROCESSES** 

#### Environmental Science & Technology: Volume 46, Issue 5 (ACS Publications) Transformation of Sulfamethazine by Manganese Oxide in Aqueous Solution Abstract | Supporting Info Juan Gao, Curtis Hedman, Cun Liu, Tan Guo, and Joel A. Pedersen Full Text HTML Publication Date (Web): January 12, 2012 (Article) Hi-Res PDF [2014K] DOI: 10.1021/es202492h DF w/ Links [473K] Section: Water Subscriber Access Stable Isotopes of Cu and Zn in Higher Plants: Evidence for Cu Reduction at the Root Surface and Two Conceptual Models for Isotopic Fractionation Processes Abstract | Supporting Info D. Jouvin, D. J. Weiss, T. F. M. Mason, M. N. Bravin, P. Louvat, F. Zhao, F. Ferec, P. Hinsinger, and Full Text HTML pp 2652-2660 Hi-Res PDF [1324K] Publication Date (Web): January 23, 2012 (Article) DOI: 10.1021/es202587m PDF w/ Links [396K] Section: Fertilizers, Soils, and Plant Subscriber Access Nutrition **Environmental Friendly Crush-Magnetic Separation Technology for Recycling** Abstract | Supporting Info Metal-Plated Plastics from End-of-Life Vehicles Miangiang Xue, Jia Li, and Zhenming Xu Full Text HTML pp 2661-2667 🔼 Hi-Res PDF [3045K] Publication Date (Web): February 2, 2012 (Article) DOI: 10.1021/es202886a DF w/ Links [457K] Section: Extractive Metallurgy 🔂 Subscriber Access Fate of Brominated Flame Retardants and Organochlorine Pesticides in Urban Soil: Volatility and Degradation Abstract | Supporting Info Fiona Wong, Perihan Kurt-Karakus, and Terry F. Bidleman Full Text HTML Publication Date (Web): January 4, 2012 (Article) Hi-Res PDF [1039K] DOI: 10.1021/es203287x PDF w/ Links [341K] Section: Air Pollution and Industrial Hygiene 🔂 Subscriber Access Environmental Behavior of the Chiral Triazole Fungicide Fenbuconazole and Its Chiral Metabolites: Enantioselective Transformation and Degradation in Soils Abstract Yuanbo Li, Fengshou Dong, Xingang Liu, Jun Xu, Jing Li, Zhiqiang Kong, Xiu Chen, and Yongquan Full Text HTML pp 2675-2683 Hi-Res PDF [557K] Publication Date (Web): February 16, 2012 (Article) DF w/ Links [298K] DOI: 10.1021/es203320x Section: Toxicology 🔂 Subscriber Access Contribution of Coexisting Sulfate and Iron Reducing Bacteria to Methylmercury **Production in Freshwater River Sediments** Abstract | Supporting Info Ri-Qing Yu, J. R. Flanders, E. Erin Mack, Ralph Turner, M. Bilal Mirza, and Tamar Barkay Full Text HTML pp 2684-2691 Publication Date (Web): December 13, 2011 (Article) Hi-Res PDF [1359K] DOI: 10.1021/es2033718 DF w/ Links [395K] Section: Water 🔂 Subscriber Access Np(V) and Pu(V) Ion Exchange and Surface-Mediated Reduction Mechanisms on Abstract | Supporting Info Mavrik Zavarin, Brian A. Powell, Mathilde Bourbin, Pihong Zhao, and Annie B. Kersting Full Text HTML Publication Date (Web): January 23, 2012 (Article) 🔼 Hi-Res PDF [981K] DOI: 10.1021/es203505g PDF w/ Links [346K] Section: Water Subscriber Access Climatic, Biological, and Land Cover Controls on the Exchange of Gas-Phase Semivolatile Chemical Pollutants between Forest Canopies and the Atmosphere Luca Nizzetto and Judith A. Perlinger Abstract | Supporting Info pp 2699-2707 Publication Date (Web): February 5, 2012 (Article) Full Text HTML DOI: 10.1021/es2036527 Hi-Res PDF [3412K] Section: Air Pollution and Industrial DF w/ Links [416K] Hygiene Subscriber Access Plant Uptake of Atmospheric Brominated Flame Retardants at an E-Waste Site in Southern China Mi Tian, She-Jun Chen, Jing Wang, Yong Luo, Xiao-Jun Luo, and Bi-Xian Mai Abstract | Supporting Info pp 2708-2714 Publication Date (Web): February 6, 2012 (Article) Full Text HTML

Section: Air Pollution and Industrial

Hygiene

DOI: 10.1021/es203669n

🔼 Hi-Res PDF [2680K]

PDF w/ Links [311K]

房 Subscriber Access

#### Environmental Science & Technology: Volume 46, Issue 5 (ACS Publications) Dissolved Organic Matter Enhances Microbial Mercury Methylation Under Sulfidic Abstract | Supporting Info Mark Full Text HTML Andrew M. Graham, George R. Aiken, and Cynthia C. Gilmour Hi-Res PDF [2086K] pp 2715-2723 Publication Date (Web): February 6, 2012 (Article) DF w/ Links [485K] DOI: 10.1021/es203658f 🔂 Subscriber Access Section: Water Gold Nanoparticle-Aluminum Oxide Adsorbent for Efficient Removal of Mercury Abstract | Supporting Info **Species from Natural Waters** Sut-I Lo, Po-Cheng Chen, Chih-Ching Huang, and Huan-Tsung Chang Full Text HTML Hi-Res PDF [1797K] Publication Date (Web): February 6, 2012 (Article) PDF w/ Links [322K] DOI: 10.1021/es203678v Section: Water Subscriber Access Effect of Ca2+ and Zn2+ on UO2 Dissolution Rates José M. Cerrato, Charles J. Barrows, Lisa Y. Blue, Juan S. Lezama-Pacheco, John R. Bargar, and Abstract | Supporting Info Daniel E. Giammar Full Text HTML Publication Date (Web): February 3, 2012 (Article) 🔼 Hi-Res PDF [1601K] DOI: 10.1021/es203751t DF w/ Links [354K] Section: Nuclear Technology 🔂 Subscriber Access Humic Acid Facilitates the Transport of ARS-Labeled Hydroxyapatite Nanoparticles in Iron Oxyhydroxide-Coated Sand Abstract | Supporting Info Dengjun Wang, Scott A. Bradford, Ronald W. Harvey, Bin Gao, Long Cang, and Dongmei Zhou pp 2738-2745 Publication Date (Web): February 9, 2012 (Article) Full Text HTML DOI: 10.1021/es203784u Hi-Res PDF [3599K] 🔼 PDF w/ Links [371K] Section: Water Steroid Hormone Runoff from Agricultural Test Plots Applied with Municipal 🔂 Subscriber Access Yun-Ya Yang, James L. Gray, Edward T. Furlong, Jessica G. Davis, Rhiannon C. ReVello, and Thomas Abstract | Supporting Info Borch pp 2746-2754 Full Text HTML Publication Date (Web): January 30, 2012 (Article) DOI: 10.1021/es203896t Hi-Res PDF [2684K] Section: Water DF w/ Links [377K] Mobile Colloid Generation Induced by a Cementitious Plume: Mineral Surface-🔂 Subscriber Access **Charge Controls on Mobilization** Dien Li, Daniel I. Kaplan, Kimberly A. Roberts, and John C. Seaman Abstract | Supporting Info pp 2755-2763 Publication Date (Web): February 9, 2012 (Article) Full Text HTML DOI: 10.1021/es2040834 Hi-Res PDF [3073K] Section: Nuclear Technology PDF w/ Links [467K] Impact of Interactions between Metal Oxides to Oxidative Reactivity of Manganese 🔂 Subscriber Access Dioxide Saru Taujale and Huichun Zhang pp 2764-2771 Abstract | Supporting Info Publication Date (Web): February 6, 2012 (Article) DOI: 10.1021/es204294c Full Text HTML Section: Water 🔼 Hi-Res PDF [3918K]

ENVIRONMENTAL MODELING

#### Integrating Address Geocoding, Land Use Regression, and Spatiotemporal Abstract | Supporting Info Geostatistical Estimation for Groundwater Tetrachloroethylene Full Text HTML Kyle P. Messier, Yasuyuki Akita, and Marc L. Serre 🔼 Hi-Res PDF [3997K] pp 2772-2780 Publication Date (Web): January 19, 2012 (Article) PDF w/ Links [409K] DOI: 10.1021/es203152a 房 Subscriber Access Section: Water

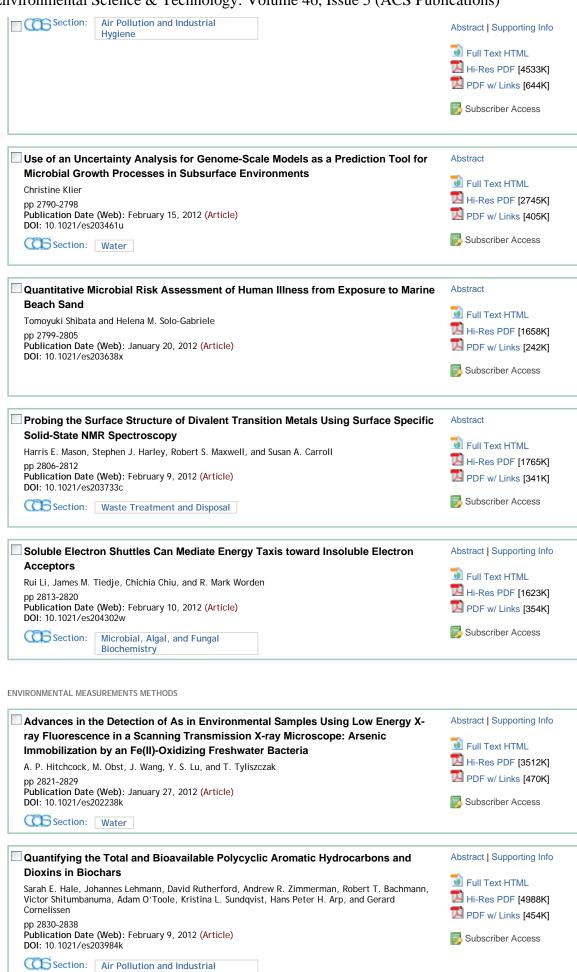
PDF w/ Links [372K] 🔂 Subscriber Access

## Mobile Source and Livestock Feed Contributions to Regional Ozone Formation in **Central California**

Jianlin Hu, Cody J. Howard, Frank Mitloehner, Peter G. Green, and Michael J. Kleeman

Publication Date (Web): January 30, 2012 (Article)

DOI: 10.1021/es203369p



# Evaluation of Atmospheric PCDD/F Depositions via Automated and Traditional Water Surface Samplers in Taiwan

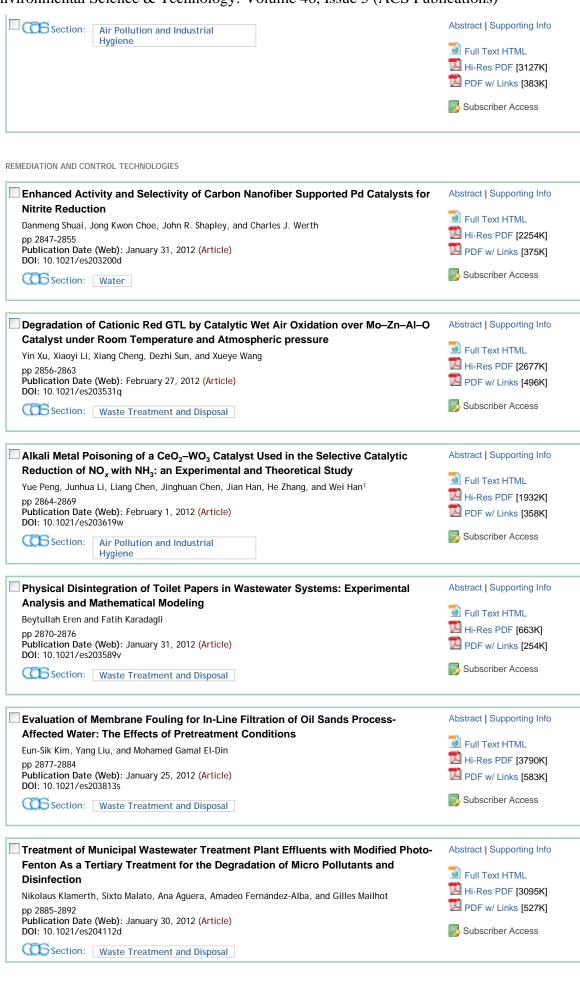
Kai Hsien Chi, Shuh Ji Kao, Kung Ting Liu, and Tzu Yi Lee

pp 2839-2846

Publication Date (Web): February 9, 2012 (Article)

Hygiene

DOI: 10.1021/es204230p



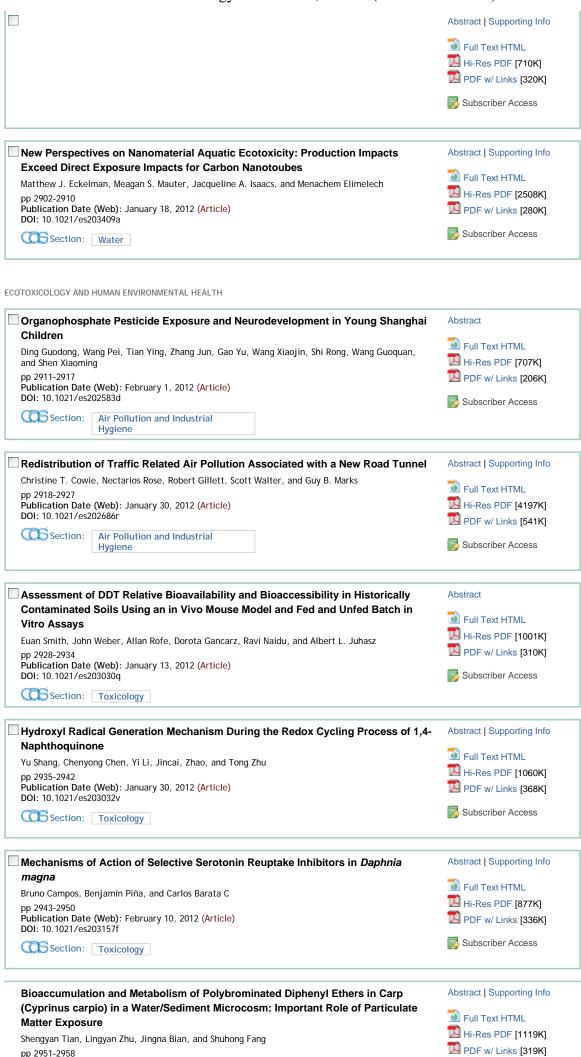
SUSTAINABILITY ENGINEERING AND GREEN CHEMISTRY

## **Evaluating the Potential for Secondary Mass Savings in Vehicle Lightweighting**

Elisa Alonso, Theresa M. Lee, Catarina Bjelkengren, Richard Roth, and Randolph E. Kirchain

Publication Date (Web): January 26, 2012 (Article)

DOI: 10.1021/es202938m

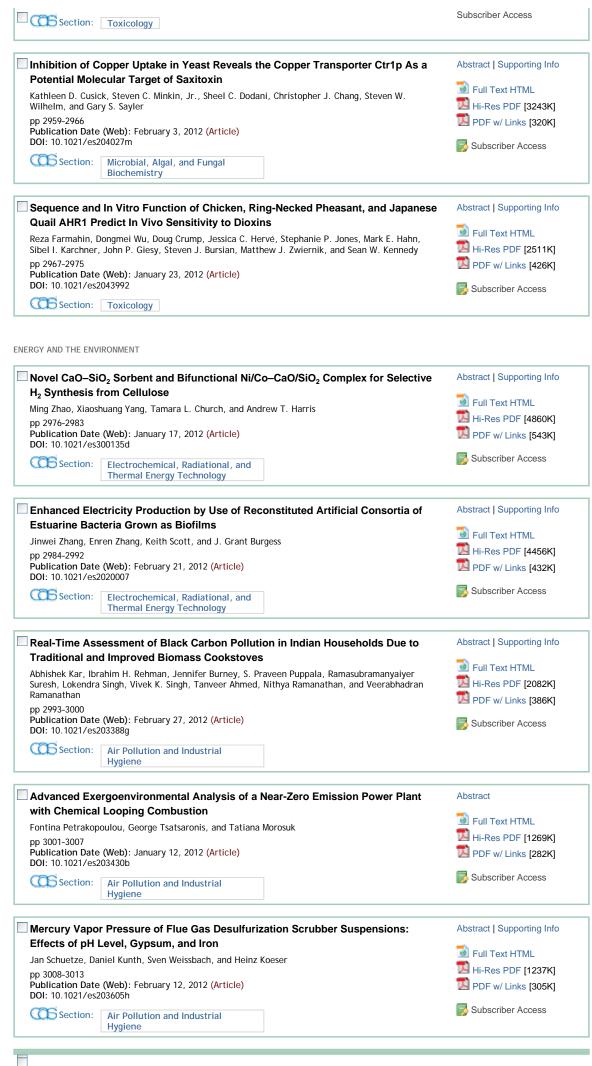


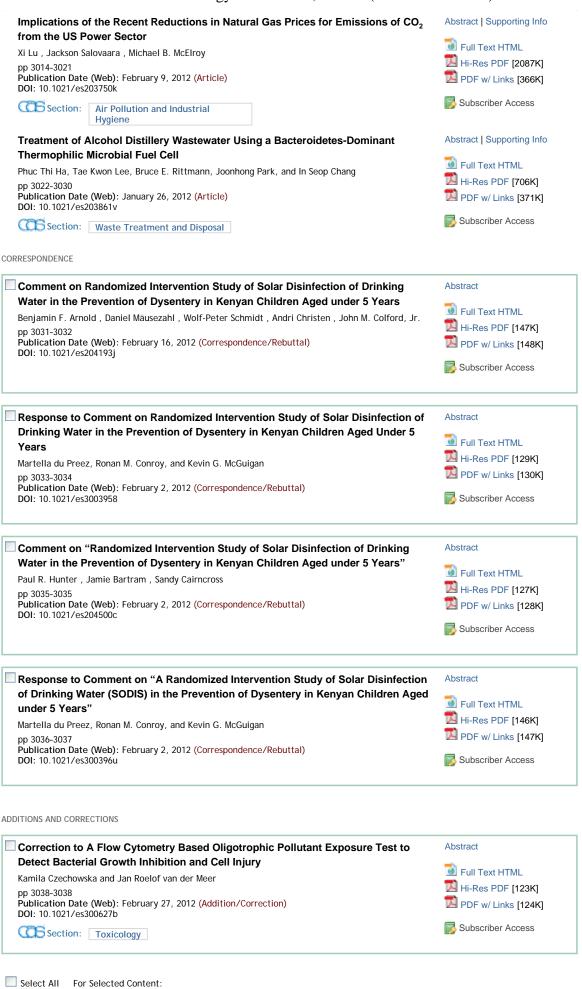
http://pubs.acs.org/toc/esthag/46/5

Publication Date (Web): February 7, 2012 (Article)

pp 2951-2958

DOI: 10.1021/es204011k





ACS Publications
MOST TRUSTED. MOST CITED. MOST READ.

1155 Sixteenth Street N.W. Washington, DC 20036 Products
Journals A-Z
Books
C&EN
C&EN Archives
ACS Legacy Archives
ACS Mobile

Video

ACS Members
Librarians
Authors & Reviewers
Website Demos

User Resources

About Us

Get Help For Advertisers Institutional Sales Live Chat

Support

Partners
Atypon

COUNTER
COUNTER
Cross ef
ORCID Open Researcher
PORTICO

Search ACS Publications

Search Anywhere 
Search

Copyright © 2012 American Chemical Society