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ENVIRONMENTAL Science & Technology

March 18, 2014
Volume 48
Number 6
pubs.acs.org/est

Do Source Types
Make a Difference
in Particulate Matter
Health Effects?



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ON THE COVER: Ambient particulate matter may originate from various pollution sources which may have different impacts on human health. This issue's cover article performed a detailed source appointment analysis for fine particles ($PM_{2.5}$) in a severely polluted megacity (Beijing) in China, and made the first effort to link the changes in cardiopulmonary health indicators in human participants to appointed $PM_{2.5}$ from different sources in the context of urban and suburban air pollution associated with accelerating socioeconomic expansions in China.

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dx.doi.org/10.1021/es500949g

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dx.doi.org/10.1021/es500365k

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Effect of Traffic and Driving Characteristics on Morphology of Atmospheric Soot Particles at Freeway On-Ramps

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Isotopic Composition and Distribution of Plutonium in Northern South China Sea Sediments Revealed Continuous Release and Transport of Pu from the Marshall Islands

Junwen Wu, Jian Zheng,* Minhan Dai,* Chih-An Huh, Weifang Chen, Keiko Tagami, and Shigeo Uchida

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A New Metric for Long-Range Transport Potential of Chemicals

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Infant Exposure to Emissions of Volatile Organic Compounds from Crib Mattresses

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Thermodynamic and Kinetic Verification of Tetra-*n*-butyl Ammonium Nitrate (TBANO₃) as a Promoter for the Clathrate Process Applicable to Precombustion Carbon Dioxide Capture

Ponnivalavan Babu, Minghuang Yao, Stuti Datta, Rajnish Kumar, and Praveen Linga*

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[dx.doi.org/10.1021/es4045488](https://doi.org/10.1021/es4045488)

Siting Algae Cultivation Facilities for Biofuel Production in the United States: Trade-Offs between Growth Rate, Site Constructability, Water Availability, and Infrastructure

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[dx.doi.org/10.1021/es404618y](https://doi.org/10.1021/es404618y)

Determination of Dew Point Conditions for CO₂ with Impurities Using Microfluidics

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Atmospheric Emission Inventory of Hazardous Trace Elements from China's Coal-Fired Power Plants—Temporal Trends and Spatial Variation Characteristics

Hezhong Tian,* Kaiyun Liu, Junrui Zhou, Long Lu, Jiming Hao, Peipei Qiu, Jiajia Gao, Chuanyong Zhu, Kun Wang, and Shenbing Hua

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[dx.doi.org/10.1021/es404972s](https://doi.org/10.1021/es404972s)

Chamber Studies on Nonvented Decorative Fireplaces Using Liquid or Gelled Ethanol Fuel

Tobias Schripp,* Tunga Salthammer, Sebastian Wientzek, and Michael Wensing

Correspondence

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[dx.doi.org/10.1021/es404846b](https://doi.org/10.1021/es404846b)

Comment on “Toxicity and Mutagenicity of Gulf of Mexico Waters During and After the Deepwater Horizon Oil Spill”

Roger C. Prince* and Thomas F. Parkerton*

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[dx.doi.org/10.1021/es405469e](https://doi.org/10.1021/es405469e)

Response to Comment on “Toxicity and Mutagenicity of Gulf of Mexico Waters During and After the Deepwater Horizon Oil Spill”

John H. Paul

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[dx.doi.org/10.1021/es405772d](https://doi.org/10.1021/es405772d)

Comment on “An Evaluation of Water Quality in Private Drinking Water Wells Near Natural Gas Extraction Sites in the Barnett Shale Formation”

Thomas McHugh, Lisa Molofsky, Anthony Daus, and John Connor*

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[dx.doi.org/10.1021/es500425j](https://doi.org/10.1021/es500425j)

Response to Comment on "An Evaluation of Water Quality in Private Drinking Water Wells Near Natural Gas Extraction Sites in the Barnett Shale Formation"

Brian E. Fontenot, Zacariah L. Hildenbrand, Doug D. Carlton Jr., Jayme L. Walton, and Kevin A. Schug*