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Environmental Science Processes & Impacts

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See Jessica M. Walker, Gerald Langer *et al.*, pp. 966–974. Image reproduced by permission of Jessica Walker from *Environ. Sci.: Processes Impacts*, 2024, **26**, 966.

Inside cover
See Nicola Carslaw *et al.*, pp. 975–990. Image reproduced by permission of Toby Carter from *Environ. Sci.: Processes Impacts*, 2024, **26**, 975.

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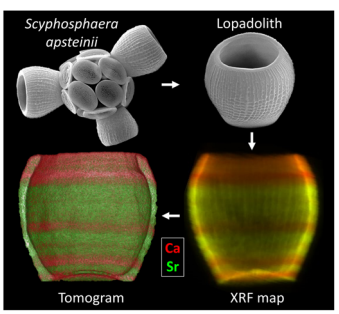
An uneven distribution of strontium in the coccolithophore *Scyphosphaera apsteinii* revealed by nanoscale X-ray fluorescence tomography

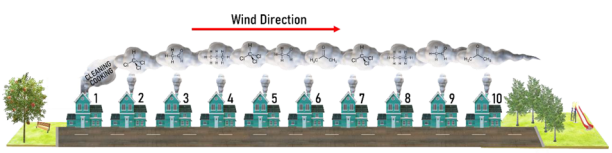
Jessica M. Walker,* Hallam J. M. Greene, Yousef Moazzam, Paul D. Quinn, Julia E. Parker and Gerald Langer*



975

Indoor cooking and cleaning as a source of outdoor air pollution in urban environments

Toby J. Carter, David R. Shaw, David C. Carslaw and Nicola Carslaw*



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PAPERS

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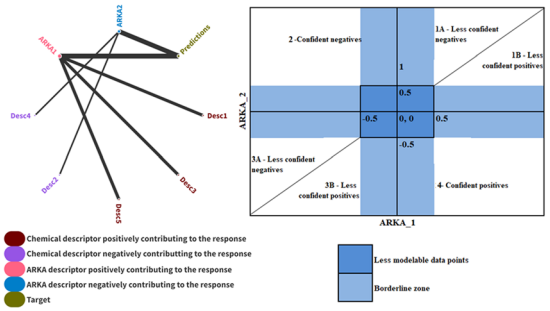
ARKA: a framework of dimensionality reduction for machine-learning classification modeling, risk assessment, and data gap-filling of sparse environmental toxicity data

Arkaprava Banerjee and Kunal Roy*



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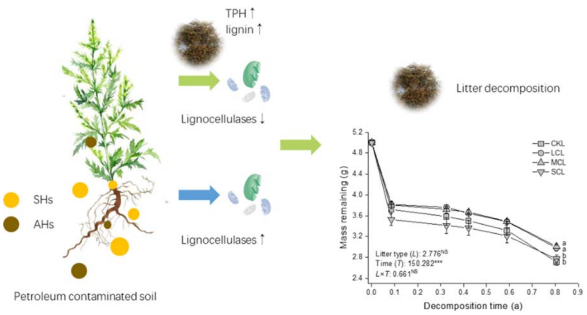
Development of a sampling protocol for collecting leaf surface material for multiphase chemistry studies

Rachele Ossola,* Rose K. Rossell, Mj Riches,* Cameron Osburn and Delphine Farmer

1022

Potential effects of soil petroleum contamination on decomposition of *Artemisia annua* plant litter

Jiahao Li, Kaixuan Liu, Yuxin Dong, Lingsu Chen, Ziquan Wang, Jinqiang Chen and Xiaoxi Zhang*



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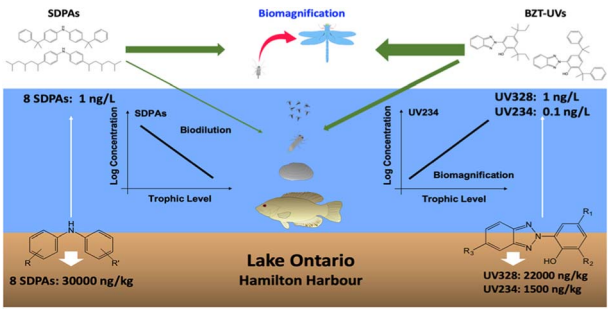
Distribution and trophodynamics of substituted diphenylamine antioxidants and benzotriazole UV stabilizers in a freshwater ecosystem and the adjacent riparian environment

Zhe Lu,* Amila O. De Silva,* Christine Spencer, Gerald R. Tetreault, Shane R. de Solla and Derek C. G. Muir



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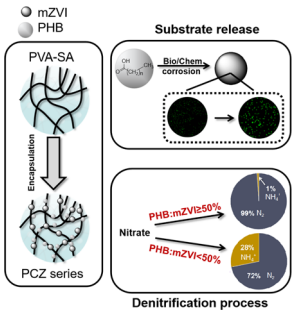

Groundwater denitrification enhanced by a hydrogel immobilized iron/solid carbon source: impact on denitrification and substrate release performance

Wenhao Yu, Lecheng Liu, Ni Yan* and Xilai Zheng*

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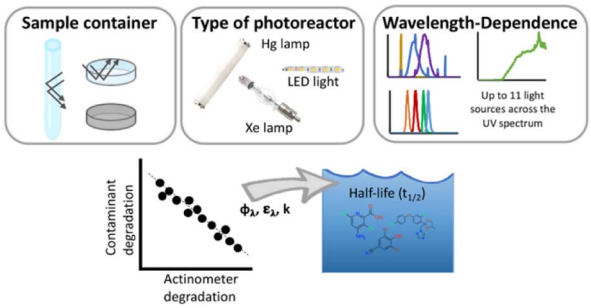

Determining wavelength-dependent quantum yields of photodegradation: importance of experimental setup and reference values for actinometers

Luana de Brito Anton, Andrea I. Silverman and Jennifer N. Apell*

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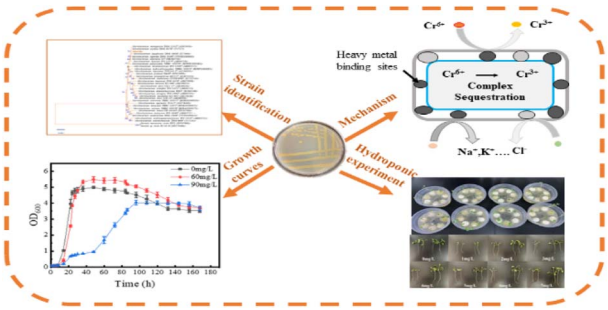

Inoculation of chromium-tolerant bacterium LBA108 to enhance resistance in radish (*Raphanus sativus* L.) and combined remediation of chromium-contaminated soil

Hehe Zhang, Hui Wang,* Aobo Tan, Longfei Zhang, Hanyue Yao, Xiaoyan You and Zhi Chen

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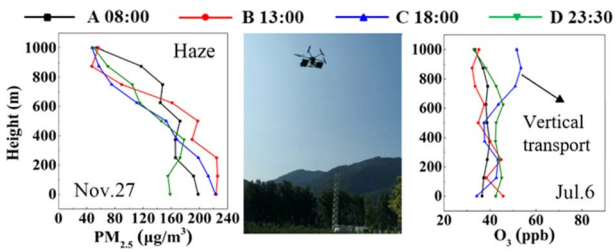

Measurement of the vertical distributions of atmospheric pollutants using an uncrewed aerial vehicle platform in Xi'an, China

Dan Liang, Zhenchuan Niu,* Guowei Wang, Xue Feng, Mengni Lyu, Xiaobing Pang, Ming Li and Huachun Gu

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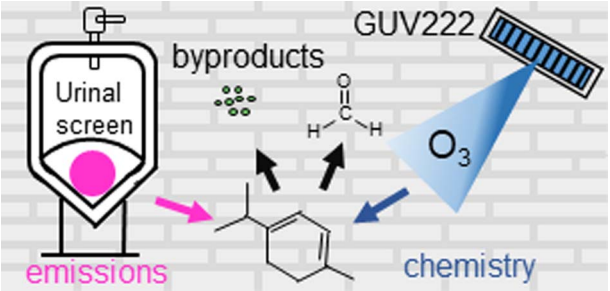
Ozone generation and chemistry from 222 nm germicidal ultraviolet light in a fragrant restroom

Michael F. Link,* Rileigh L. Robertson, Andrew Shore, Behrang H. Hamadani, Christina E. Cecelski and Dustin G. Poppendieck*



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