

Environmental Science Processes & Impacts

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IN THIS ISSUE

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Cover

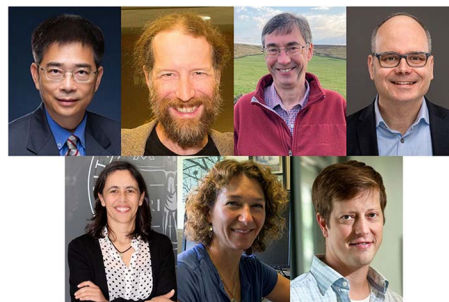
See Theodora Nah *et al.*, pp. 1150–1168. Image reproduced by permission of Theodora Nah from *Environ. Sci.: Processes Impacts*, 2023, 25, 1150.

EDITORIAL

1141

Best Papers from 2022 published in the *Environmental Science* journals of the Royal Society of Chemistry

Zongwei Cai, Neil Donahue, Kevin C. Jones, Kristopher McNeill, Célia Manaia, Paige J. Novak and Peter J. Vikesland

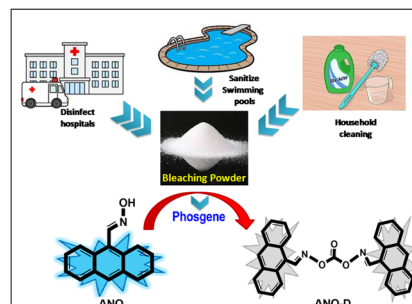


COMMUNICATION

1144

Detection of exposed phosgene in household bleach: development of a selective and cost-effective sensing tool

Shrabani Saha and Prithidipa Sahoo*



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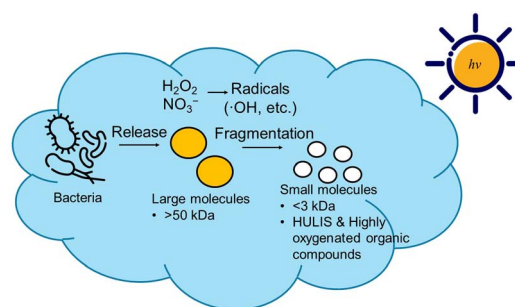
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1150

Emerging investigator series: aqueous photooxidation of live bacteria with hydroxyl radicals under cloud-like conditions: insights into the production and transformation of biological and organic matter originating from bioaerosols

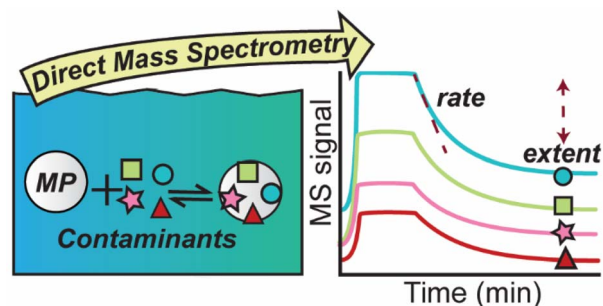
Yushuo Liu, Patrick K. H. Lee and Theodora Nah*



1169

Monitoring microplastic–contaminant sorption processes in real-time using membrane introduction mass spectrometry

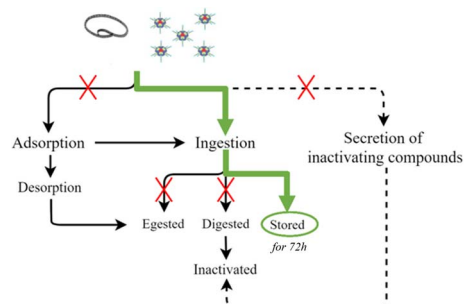
Misha Zvekic, Gregory W. Vandergrift, Christine C. Tong, Chris G. Gill and Erik T. Krogh*



1181

Uptake without inactivation of human adenovirus type 2 by *Tetrahymena pyriformis* ciliates

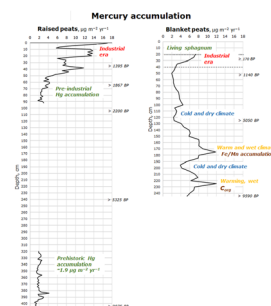
Margot Olive, Jean Daraspe, Christel Genoud and Tamar Kohn*



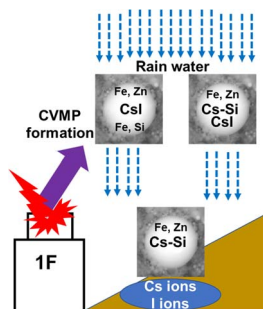
1193

Prehistoric and technogenic loads of Hg in raised and blanket peats from the lower Amur River basin, eastern Asia

Fyodor S. Kot,* Valentina B. Bazarova, Mikhail A. Klimin, Irina O. Dugina and Tatyana A. Kopoteva



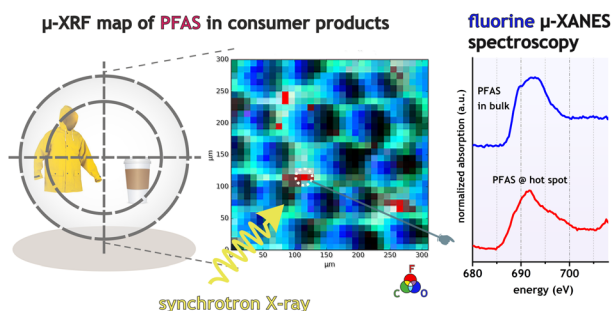
1204



Chemical species of cesium and iodine in condensed vaporized microparticles formed by melting nuclear fuel components with concrete materials

Toshihiko Ohnuki,* Jian Ye, Tomoaki Kato, Jiang Liu, Masahide Takano, Naofumi Kozai and Satoshi Utsunomiya

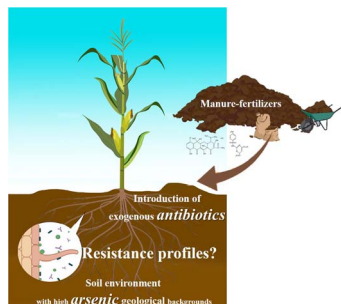
1213



Taking a look at the surface: μ -XRF mapping and fluorine K-edge μ -XANES spectroscopy of organofluorinated compounds in environmental samples and consumer products

Philipp Roesch,* Christian Vogel,* Philipp Wittwer, Thomas Huthwelker, Camelia N. Borca, Thomas Sommerfeld, Stephanie Kluge, Christian Piechotta, Ute Kalbe and Franz-Georg Simon

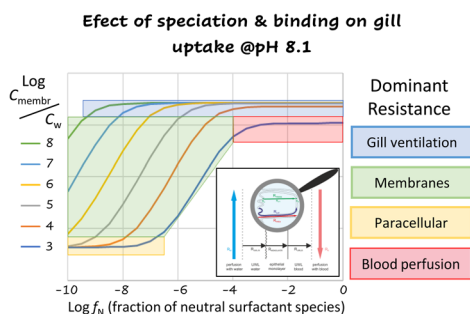
1224



Resistance profiles of microbial communities in maize rhizospheres to the introduction of exogenous antibiotics to agricultural systems with a high arsenic geological background

Moxin Xu, Jinping Jiang, Ying Feng, Xiaofeng Li, Lili Ye and Yongshan Chen*

1238



A framework for understanding the bioconcentration of surfactants in fish

Michael S. McLachlan,* Andrea Ebert, James M. Armitage, Jon A. Arnot and Steven T. J. Droge

