

Environmental Science Processes & Impacts

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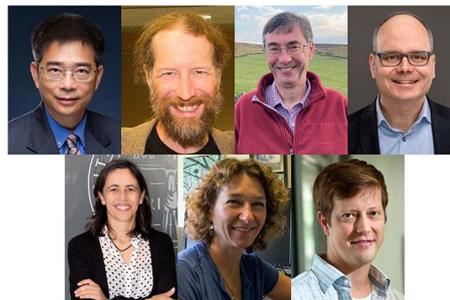
See Theodora Nah *et al.*, pp. 1150–1168. Image reproduced by permission of Theodora Nah from *Environ. Sci.: Processes Impacts*, 2023, 25, 1150.

EDITORIAL

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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

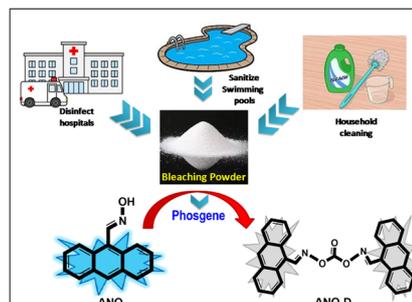


COMMUNICATION

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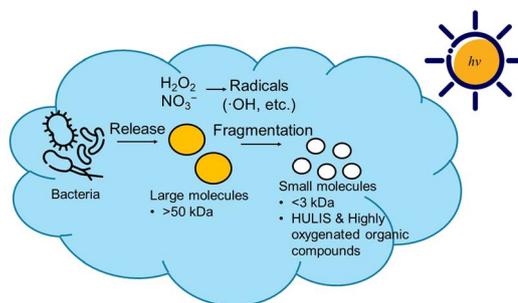
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Emerging investigator series: aqueous photooxidation of live bacteria with hydroxyl radicals under cloud-like conditions: insights into the production and transformation of biological and organic matter originating from bioaerosols

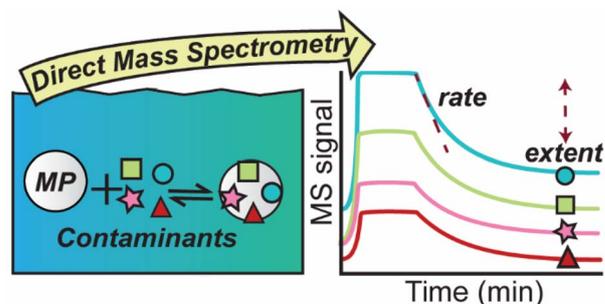
Yushuo Liu, Patrick K. H. Lee and Theodora Nah*



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

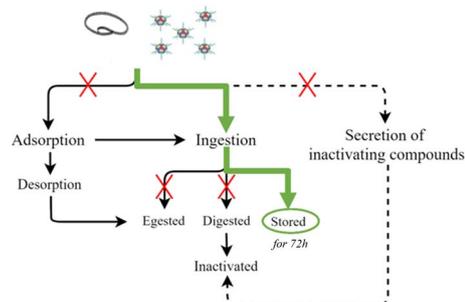
Misha Zvekcic, Gregory W. Vandergrift, Christine C. Tong, Chris G. Gill and Erik T. Krogh*



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

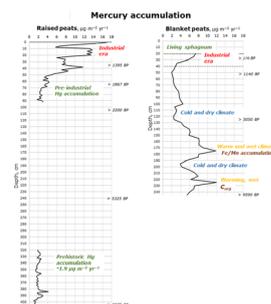
Margot Olive, Jean Daraspe, Christel Genoud and Tamar Kohn*



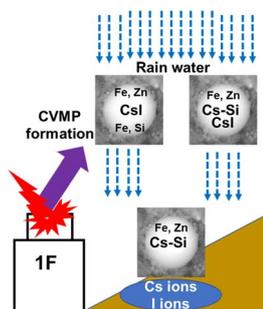
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Prehistoric and technogenic loads of Hg in raised and blanket peats from the lower Amur River basin, eastern Asia

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



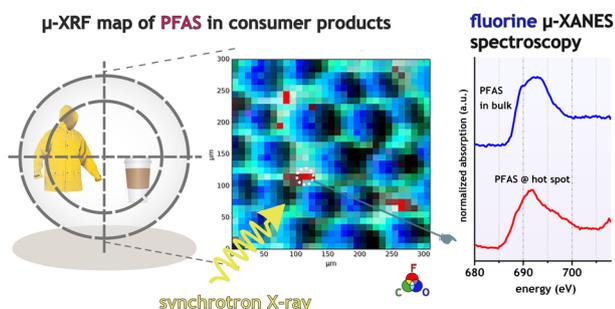
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Chemical species of cesium and iodine in condensed vaporized microparticles formed by melting nuclear fuel components with concrete materials

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

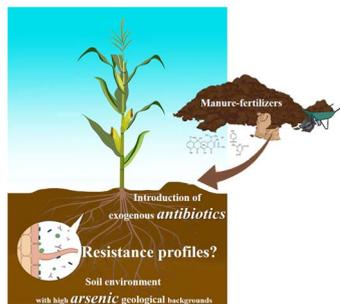
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Taking a look at the surface: μ -XRF mapping and fluorine K-edge μ -XANES spectroscopy of organofluorinated compounds in environmental samples and consumer products

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

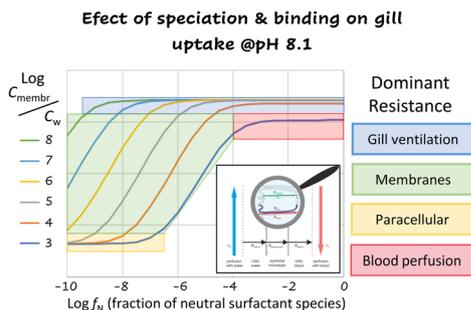
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Resistance profiles of microbial communities in maize rhizospheres to the introduction of exogenous antibiotics to agricultural systems with a high arsenic geological background

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

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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

