# Environmental Science Processes & Impacts

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## EDITORIAL

## 1741

Introduction to the "Tracking complex mixtures of chemicals in human- and eco-exposome: the nexus of models, analytics, and toxicity" themed issue

Mingliang Fang, Li Li, Zhenyu Tian and Beate Escher

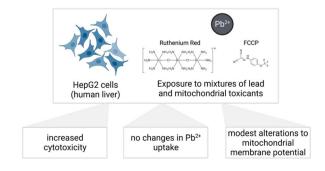


## COMMUNICATIONS

## 1743

## Increased cytotoxicity of Pb<sup>2+</sup> with co-exposures to a mitochondrial uncoupler and mitochondrial calcium uniporter inhibitor

Pooja Lalwani, Dillon E. King, Katherine S. Morton, Nelson A. Rivera, Jr, Javier Huayta, Heileen Hsu-Kim and Joel N. Meyer\*



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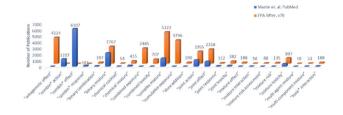
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## 1752

Evaluation of mixture toxicity literature and chemical space: a data centric approach

Vatsal Mehta, Mahmoud Shobair and Catherine Mahony\*

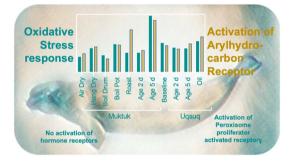


## PAPERS

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Mixture effect assessment applying *in vitro* bioassays to in-tissue silicone extracts of traditional foods prepared from beluga whale blubber

Beate I. Escher,\* Matthew J. Binnington, Maria König, Ying D. Lei and Frank Wania\*



## 1771

Non-targeted identification and semi-quantitation of emerging per- and polyfluoroalkyl substances (PFAS) in US rainwater

Yubin Kim, Kyndal A. Pike, Rebekah Gray, Jameson W. Sprankle, Jennifer A. Faust and Paul L. Edmiston\*



## 1788

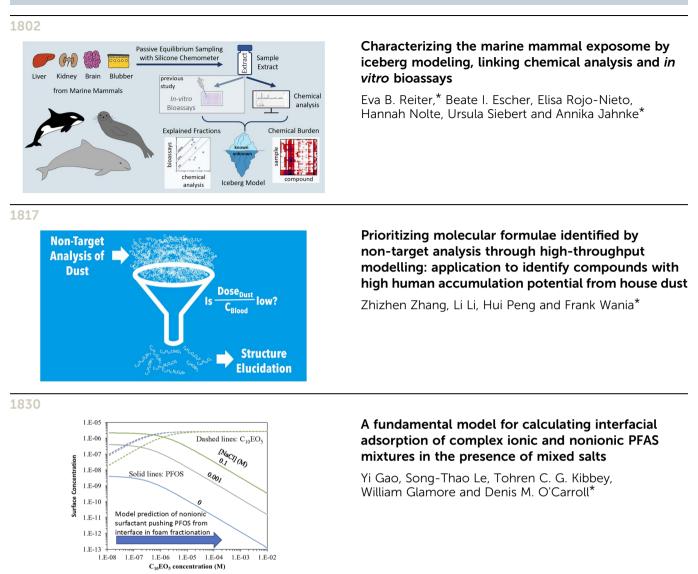
## Adding open spectral data to MassBank and PubChem using open source tools to support nontargeted exposomics of mixtures

Anjana Elapavalore,\* Todor Kondić, Randolph R. Singh, Benjamin A. Shoemaker, Paul A. Thiessen, Jian Zhang, Evan E. Bolton and Emma L. Schymanski\*



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## PAPERS



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## Occurrence of emerging contaminants in pet hair and indoor air: integrative health risk assessment using multiple ToxCast endpoints

Ying Zhang, Yujun Tong, Fei Cheng,<sup>\*</sup> Jingwen Shi, Jiehui Huang, Minqi Yu and Jing You