

Environmental Science Processes & Impacts

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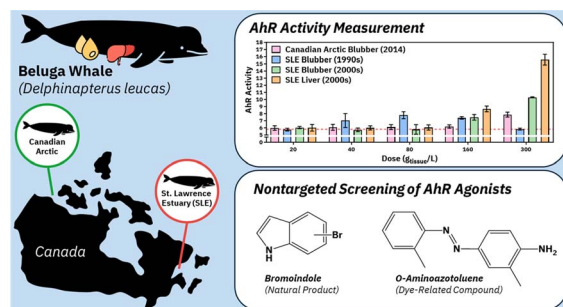
Inside cover
See Yongzheng Ma, Zhiguang
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PAPERS

1451

Emerging investigator series: nontargeted screening of aryl hydrocarbon receptor agonists in endangered beluga whales from the St. Lawrence Estuary: beyond legacy contaminants

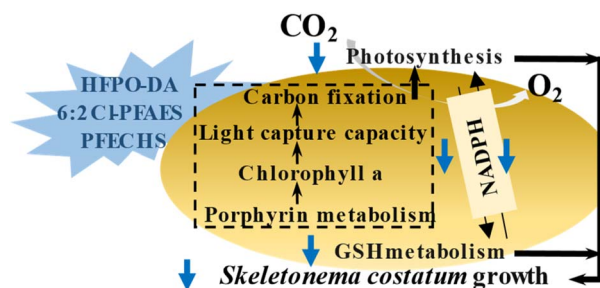
Holly Barrett, Jianxian Sun, Yuhao Chen, Diwen Yang, Jonathan Verreault, Magali Houde, Frank Wania and Hui Peng*



1465

Porphyrin metabolism and carbon fixation response of *Skeletonema costatum* at different growth phases to mixed emerging PFASs at environmental concentrations

Xiaofeng Li, Yongzheng Ma,* Ying Zhang, Xiaohan Zhang, Hongyu Li, Yueling Sun and Zhiguang Niu*



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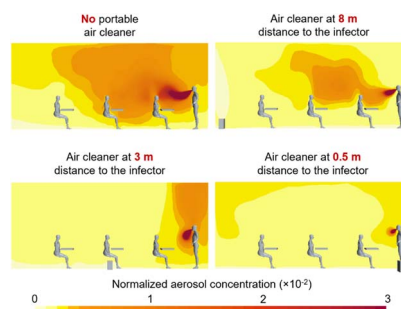
Fundamental questions
Elemental answers



1476

A CFD study on the effect of portable air cleaner placement on airborne infection control in a classroom

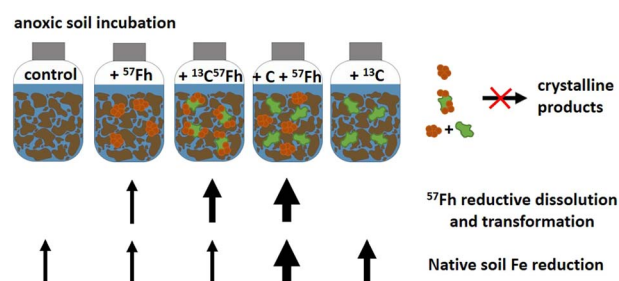
Gen Pei,* Parham Azimi, Donghyun Rim and Joseph G. Allen



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Emerging investigator series: Coprecipitation with glucuronic acid limits reductive dissolution and transformation of ferrihydrite in an anoxic soil

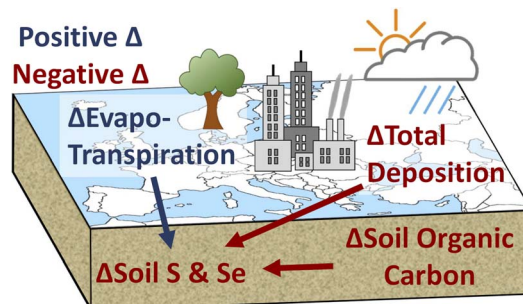
Laurel K. ThomasArrigo,* Luiza Notini, Sophie Vontobel, Sylvain Bouchet, Tabea Nydegger and Ruben Kretzschmar



1503

Emerging investigator series: predicted losses of sulfur and selenium in european soils using machine learning: a call for prudent model interrogation and selection

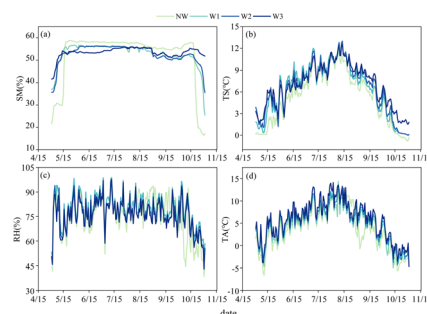
Gerrad D. Jones,* Logan Insinga, Boris Droz, Aryeh Feinberg, Andrea Stenke, Jo Smith, Pete Smith and Lenny H. E. Winkel



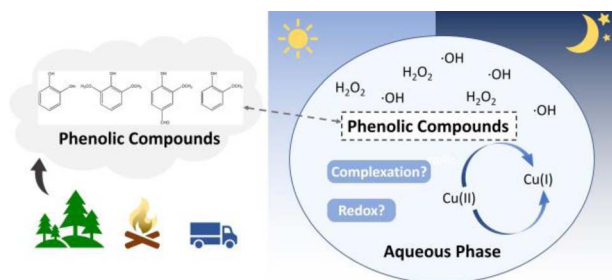
1516

Responses of CO₂ and CH₄ in the alpine wetlands of the Tibetan Plateau to warming and nitrogen and phosphorus additions

Wenbao Zhang, Huijuan Xin, Zongxing Li,* Qiao Cui, Bin Xu, Biao Tang, Yaning Wang, Chong Xu and Jian Xue



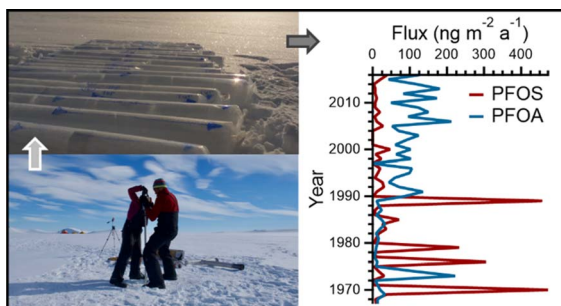
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Effects of copper on chemical kinetics and brown carbon formation in the aqueous $\cdot\text{OH}$ oxidation of phenolic compounds

Junwei Yang, Tianye Zhou, Yuting Lyu, Brix Raphael Go, Jason Chun-Ho Lam, Chak K. Chan and Theodora Nah*

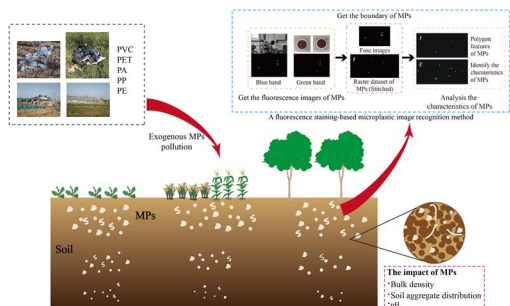
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A 50 year record for perfluoroalkyl acids in the high arctic: implications for global and local transport

Daniel Persaud, Alison S. Criscitiello, Christine Spencer, Igor Lehnher, Derek C. G. Muir, Amila O. De Silva* and Cora J. Young*

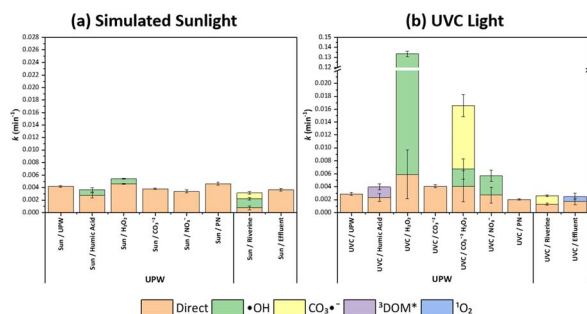
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Distribution characteristics of soil microplastics and their impact on soil physicochemical properties in agricultural areas of the North China plain

Yuze Zhou, Ming Dou,* Yan Zhang, Kaizi Ning and Yuxuan Li

1571



Photodegradation of the main synthetic musk (HHCB) in water: kinetic study and influencing factors

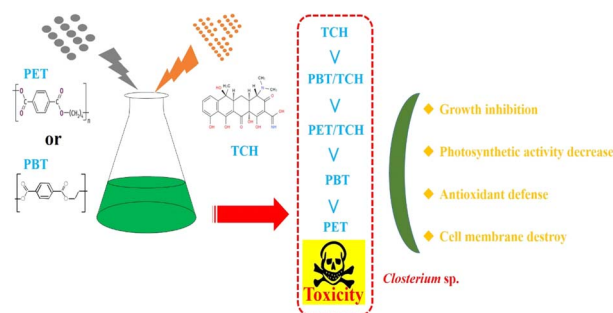
Hatice Turan, Mathieu Sebilo, Thierry Pigot and Mathilde Monperrus*



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Alleviating effects of microplastics together with tetracycline hydrochloride on the physiological stress of *Closterium* sp.

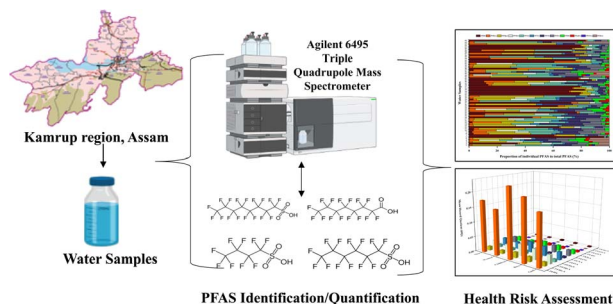
Yun Kong, Qingyun Zhou, Renjuan Wang, Qi Chen, Xiangyang Xu, Liang Zhu and Yue Wang*



1601

Comprehensive assessment of per and polyfluoroalkyl substances (PFAS) contamination in groundwater of Kamrup, Assam, India: occurrence, health risks, and metabolomic insights

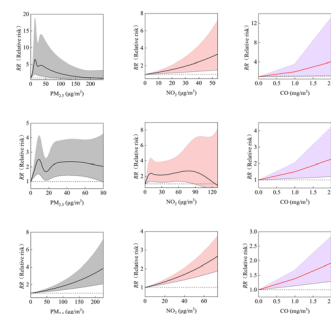
Aditya Sharma, Sachin B. Jorvekar, Sujoy Bhowmik, Purusottam Mohapatra and Roshan M. Borkar*



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Associations between traffic-related air pollution and allergic rhinitis outpatient visits in three cities of Gansu Province

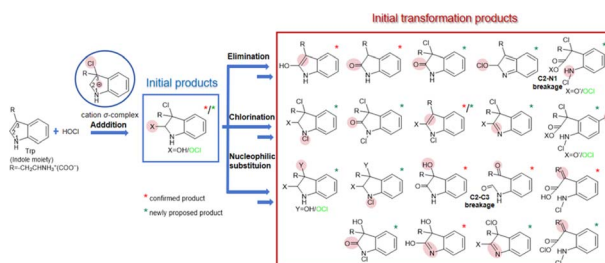
Hongran Ma, Furong Qu, Jiyuan Dong* and Jiancheng Wang



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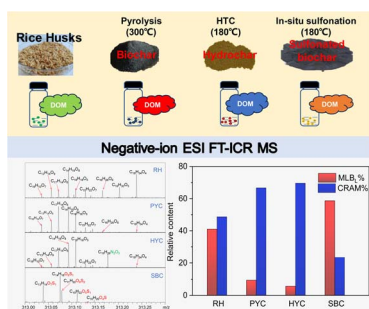
Identifying initial transformation products during chlorination of the indole moiety and unveiling their formation mechanisms

MengXue Huan, Yong Dong Liu* and Rugang Zhong



PAPERS

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Molecular characteristics of organic matter derived from sulfonated biochar

Zhengfeng Jiang, Chen He,* Fei Gao, Quan Shi,*
Yang Chen, Haimeng Yu, Zhimao Zhou and Ruoxin Wang

CORRECTION

1651

Correction: Emerging investigator series: physicochemical properties of wildfire ash and implications for particle stability in surface waters

Mrittika Hasan Rodela, Indranil Chowdhury and Amanda K. Hohner*

