

# Environmental Science: Advances

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## IN THIS ISSUE

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### Cover

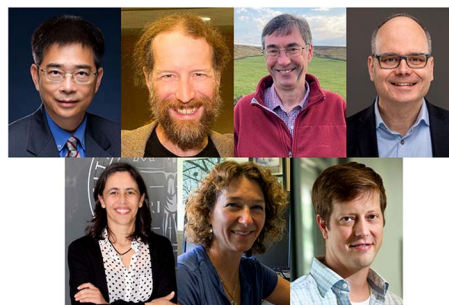
See Quanguo He, Jun Liu *et al.*, pp. 933–956. Image reproduced by permission of Quanguo He *et al.* from *Environ. Sci.: Adv.*, 2023, 2, 933.

## 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

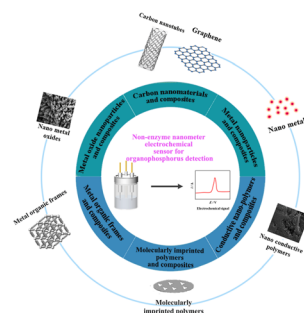


## CRITICAL REVIEW

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### Non-enzymatic electrochemical sensors based on nanomaterials for detection of organophosphorus pesticide residues

Chuanqin Zhou, Jinxia Feng, Yaling Tian, Yiyong Wu, Quanguo He,\* Guangli Li and Jun Liu\*



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Our existing environmental science journals all have chemistry at their core. *Environmental Science: Advances* will span not only chemistry, but research from any discipline related to the environmental sciences.

We welcome research from any discipline that will contribute to the understanding of the environment, and to the advancement of several UN Sustainable Development Goals - original thinking to take on the world's biggest challenges.

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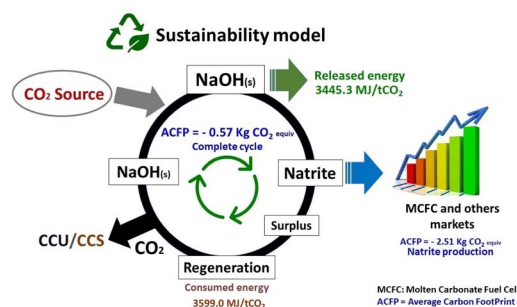
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## Study of the NaOH(s)–CO<sub>2</sub>(g) reaction creating value for industry: green natrite production, energy, and its potential in different sustainable scenarios

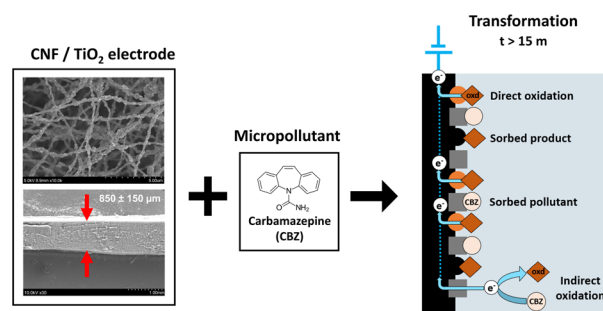
Luis Rincón, Claudia Ruiz, Ricardo R. Contreras and Jorge Almarza\*



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## Electrospun TiO<sub>2</sub>/carbon composite nanofibers as effective (photo)electrodes for removal and transformation of recalcitrant water contaminants

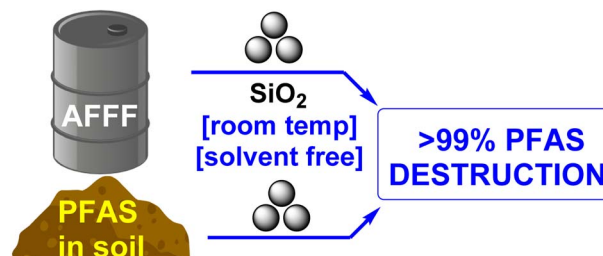
Ashley Hesterberg Butzlaff, Madeline Jensen, Chenxu Yan, Abdulsattar Ghanim, Charles Werth, David Cwiertny\* and Syed Mubeen\*



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## Mechanochemical destruction of per- and polyfluoroalkyl substances in aqueous film-forming foams and contaminated soil

Kapish Gobindlal,\* Erin Shields, Andrew Whitehill, Cameron C. Weber and Jonathan Sperry\*



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## A polyhydroxyalkanoate synthesised by halophilic archaeon *Natrialba swarupiae*

Seema Prabhudev Rodge, Maruti Jayram Dhanavade, Swapnil Chandrakant Kajale and Niranjan Prakashrao Patil\*

