

# Environmental Science: Advances

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## IN THIS ISSUE

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## Cover

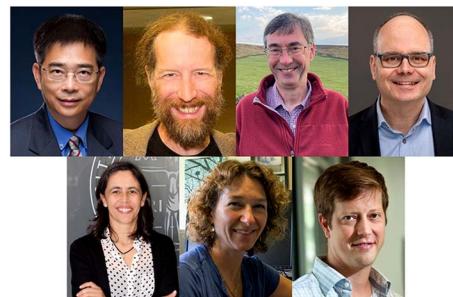
See Quanguo He, Jun Liu et al., pp. 933–956. Image reproduced by permission of Quanguo He et al. from *Environ. Sci.: Adv.*, 2023, 2, 933

## 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



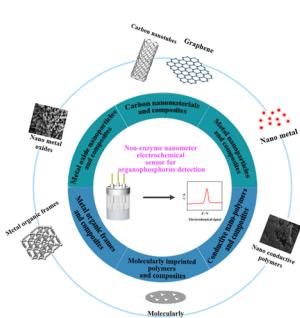
## Critical Review

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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,  
Quanqiu He\* Guangli Ji and Jun Liu\*



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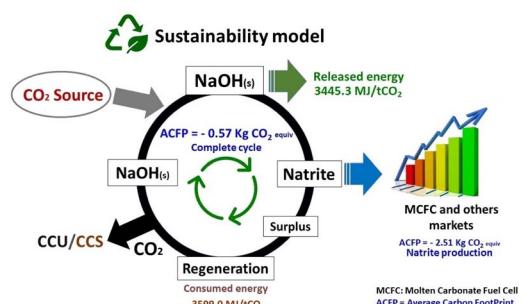
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## PAPERS

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## Study of the $\text{NaOH}(\text{s})-\text{CO}_2(\text{g})$ reaction creating value for industry: green natrite production, energy, and its potential in different sustainable scenarios

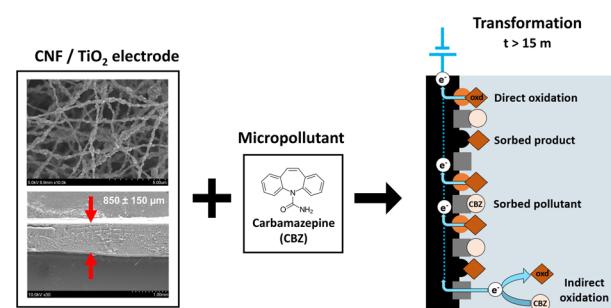
Luis Rincón, Claudia Ruiz, Ricardo R. Contreras and Jorge Almarza\*



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## Electrospun $\text{TiO}_2$ /carbon composite nanofibers as effective (photo)electrodes for removal and transformation of recalcitrant water contaminants

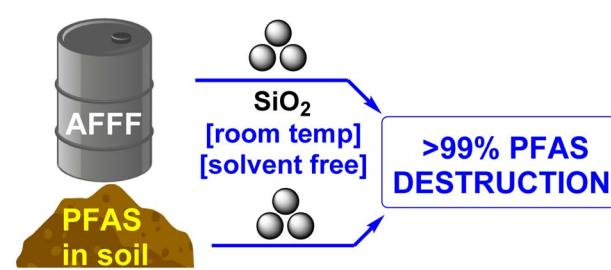
Ashley Hesterberg Butzlaff, Madeline Jensen, Chenxu Yan, Abdulsattar Ghanim, Charles Werth, David Cwiertny\* and Syed Mubeen\*



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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 Rode, Maruti Jayram Dhanavade, Swapnil Chandrakant Kajale and Niranjan Prakashrao Patil\*

