

# Environmental Science: Advances

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Uniting disciplines to solve  
environmental challenges

APCs waived until mid-2024

[rsc.li/esadvances](https://rsc.li/esadvances)

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Fundamental questions  
Elemental answers



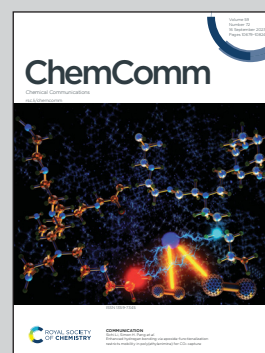


Showcasing research from Professor Reid's laboratory,  
Department of Chemistry, University of British Columbia,  
Vancouver, Canada.

Mechanism to model: a physical organic chemistry approach  
to reaction prediction

In this feature article, we describe the rapidly evolving area  
of statistical modeling to predict and interrogate organic  
reaction outcomes. Using a diverse set of case studies, we  
demonstrate how we use a working knowledge of reaction  
mechanism to select the information to provide to the  
statistical model and the most reasonable questions to ask it.

As featured in:



See Jolene P. Reid *et al.*,  
*Chem. Commun.*, 2023, **59**, 10711.