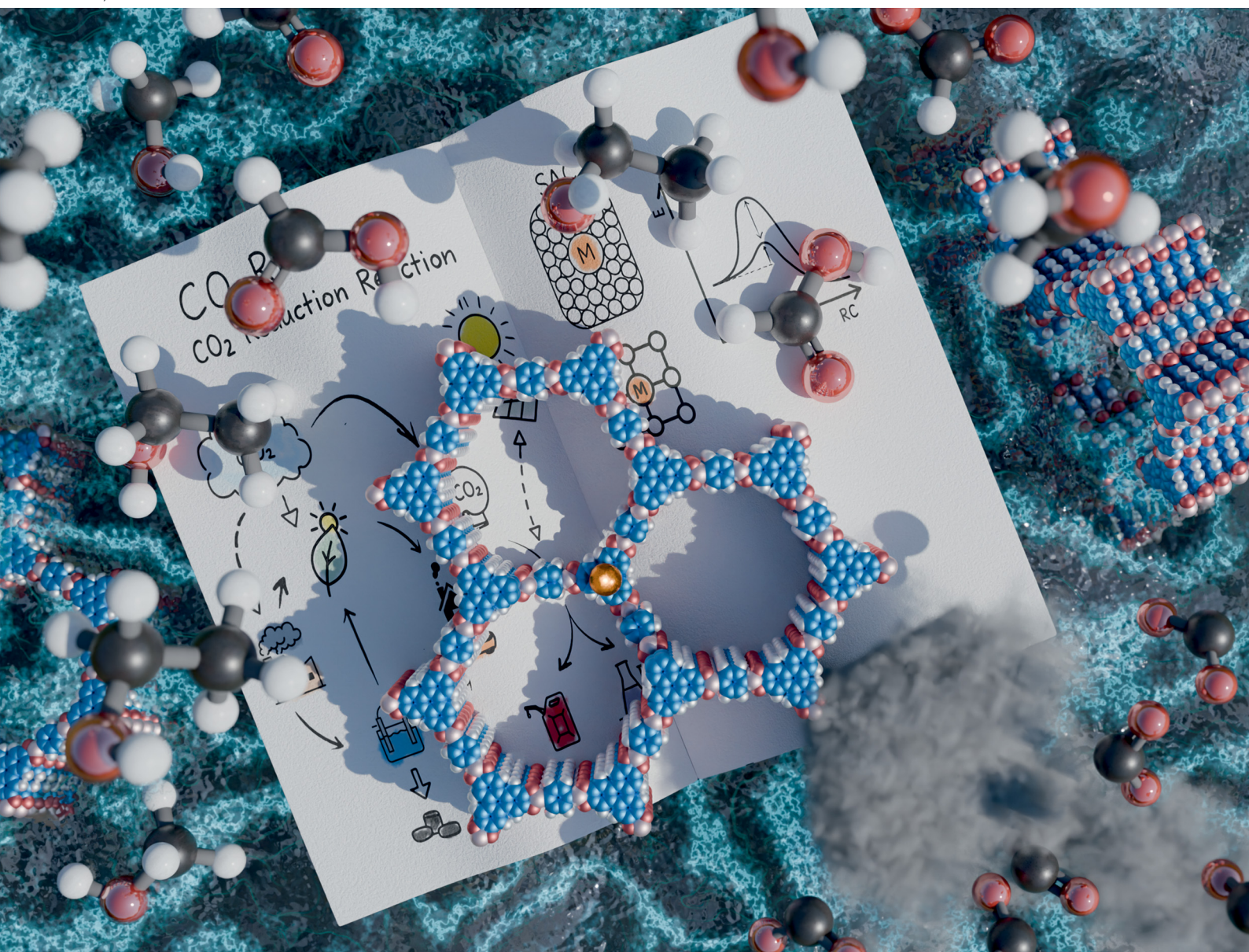


Energy & Environmental Science

Volume 18
Number 22
21 November 2025
Pages 9625–9982

rsc.li/ees



ISSN 1754-5706

REVIEW ARTICLE

Mani Balamurugan, Aristides Bakandritsos, Sada Venkateswarlu,
Rajenahally V. Jagadeesh, Radek Zboril *et al.*
Covalent organic and metal organic frameworks based
single atom catalysts for valorisation of CO₂ to value
added chemicals