

# Environmental Science: Advances

GOLD  
OPEN  
ACCESS

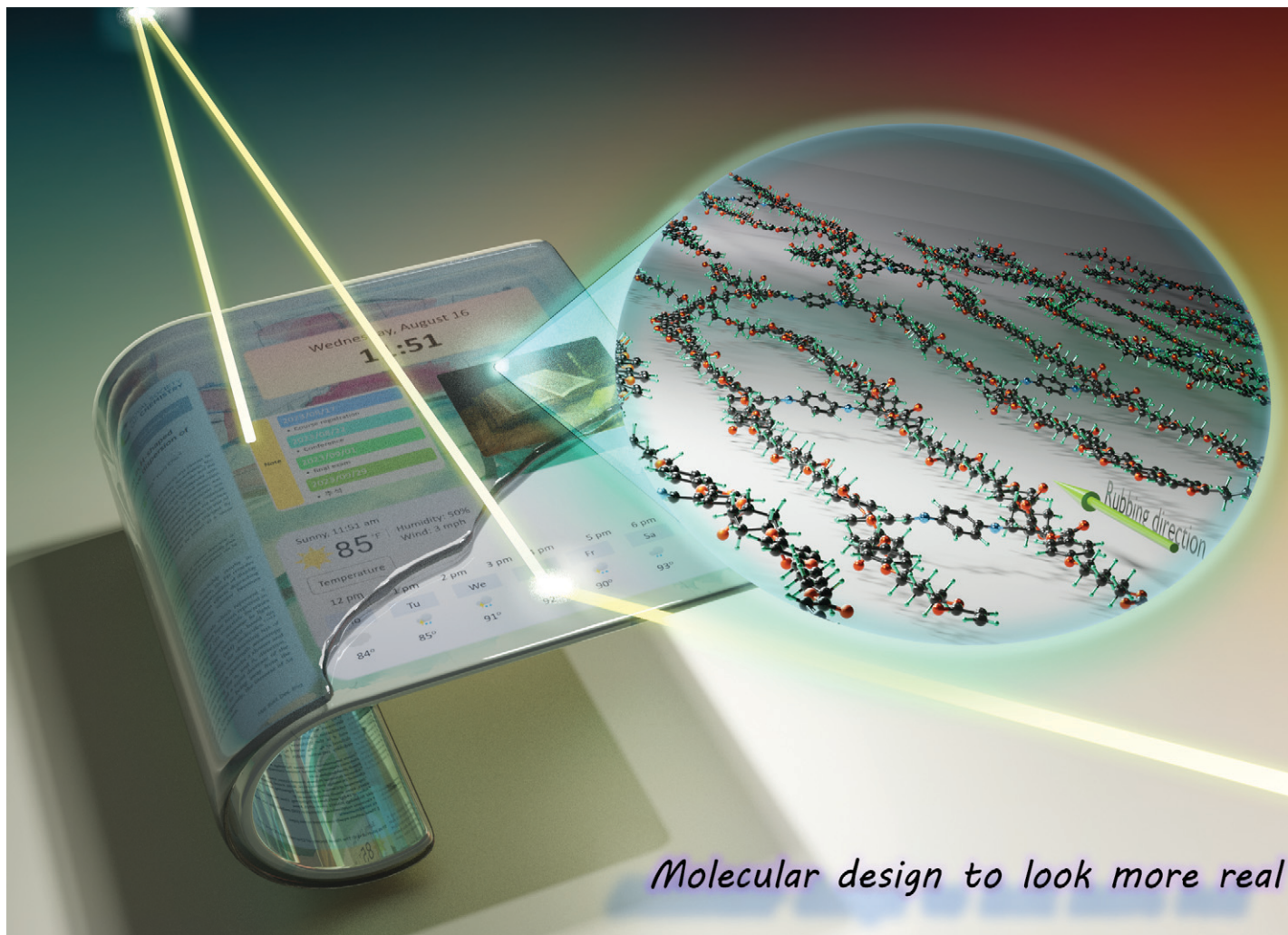
Uniting disciplines to solve  
environmental challenges

APCs waived until mid-2024

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

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Fundamental questions  
Elemental answers



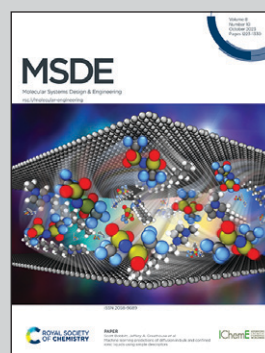
*Molecular design to look more real*

Showcasing the negative dispersion retarder developed by Ji-Hoon Lee Lab at Jeonbuk National University (JBNU), Jae-Won Ka Lab at Korea Research Institute of Chemical Technology (KRIC) and Sang Kyu Kwak Lab at Korea University (KU).

Effect of intra-cyclohexane rings in H-shaped reactive molecules on the negative dispersion of optical retardation

Intra-cyclohexane rings induced early positive-negative dispersion conversion of retardation owing to weak absorption of the H-shaped molecule along the extraordinary axis.

**As featured in:**



See Jae-Won Ka, Sang Kyu Kwak, Ji-Hoon Lee *et al.*, *Mol. Syst. Des. Eng.*, 2023, **8**, 1286.