

RSC Applied Interfaces

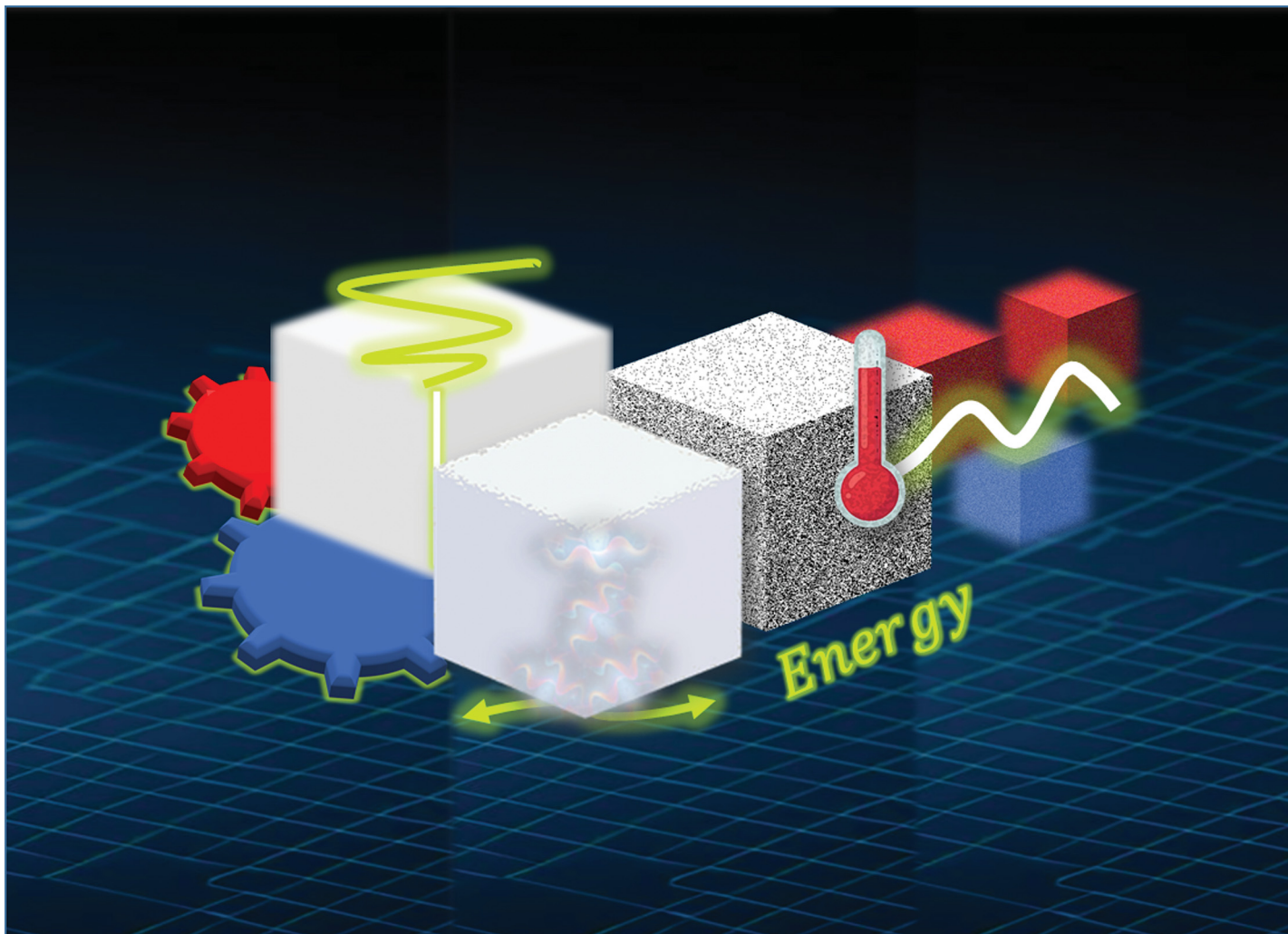
GOLD
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**Interfacial and surface research
with an applied focus**

Interdisciplinary and open access

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**Fundamental questions
Elemental answers**



Showcasing research from Professor Maria Helena Braga's laboratory, Engineering Physics Department, University of Porto, Porto, Portugal.

Energy harnessing and storage from surface switching with a ferroelectric electrolyte

Potential (V), temperature, and mass surface oscillations may synchronize with the bulk, enabling energy storage in a ferroelectric-topologic-insulator-electrolyte or battery-type cells. This offers diverse applications, from wireless batteries to transistors, memories, sensors, and selective catalysts.

As featured in:



See Maria Helena Braga,
Chem. Commun., 2024, **60**, 5395.