

RSC Applied Interfaces

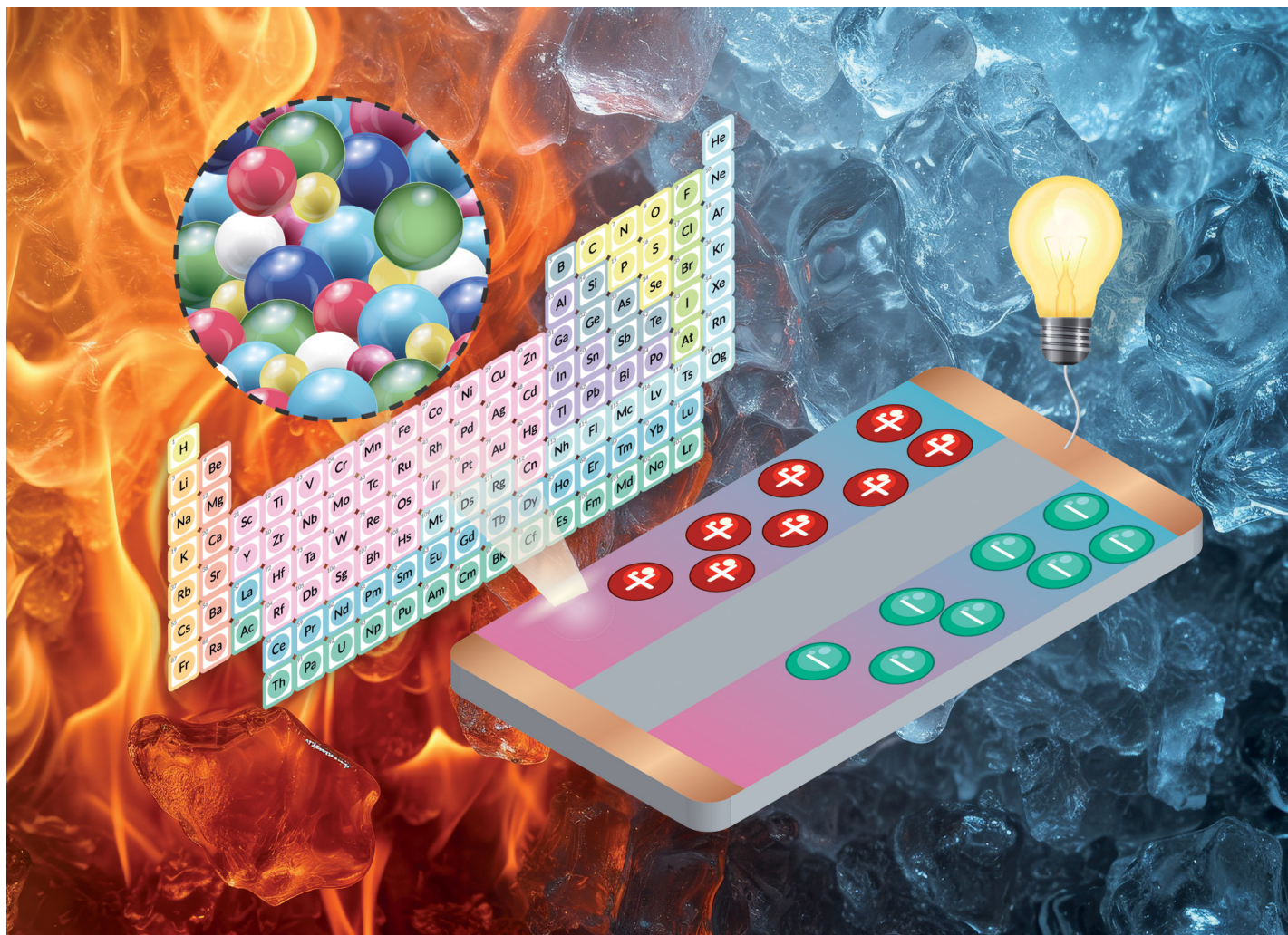
GOLD
OPEN
ACCESS

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

Interdisciplinary and open access

rsc.li/RSCApplInter

**Fundamental questions
Elemental answers**



Highlighting a review by the group of Dr Nouredine Oueldna at Mohammed VI Polytechnic University, Morocco

High-entropy materials for thermoelectric applications: towards performance and reliability

The new concept of high-entropy materials has unlocked the door to a wide range of applications such as thermoelectrics. Through the mixing of different elements, which leads to lattice distortion, the heat-carrying phonons are scattered, leading to reduced lattice thermal conductivity. This breakthrough review summarizes recent progress in the design of high-entropy thermoelectric materials.

As featured in:



See Nouredine Oueldna,
Hicham Ben Youcef *et al.*,
Mater. Horiz., 2024, 11, 2323.