



Quantum batteries evolving from solid-state in a perspective from the Materials for Energy Research (MatER) laboratory led by Professor Maria Helena Braga, Engineering Physics Department, University of Porto, Portugal.

A perspective on the building blocks of a solid-state battery: from solid electrolytes to quantum power harvesting and storage

Findings emphasize the quest for understanding what confers effectiveness to solid electrolytes. The study examines ferroelectrics, topological insulators, and investigates quantum batteries, and ends with quantum thermal machines. The goal is to present a future, enfolding from the present, through macro coherent phenomena leading to quantum power harvesting and storage.

As featured in:



See Maria Helena Braga *et al.*,
J. Mater. Chem. A, 2024, **12**, 690.