

# RSC Sustainability

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Fundamental questions  
Elemental answers

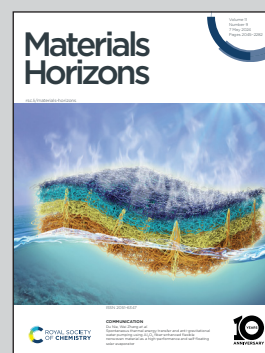


Showcasing research from Professor YongQuan Wu's laboratory at State Key Laboratory of Advanced Special Steel & Shanghai Key Laboratory of Advanced Ferrometallurgy & School of Materials Science and Engineering, Shanghai University, Shanghai, China.

Time-averaged atomic volume spectrum: locating and identifying vacancies

By targeting the atomic cage enwrapping vacancies, the TAVS method can accurately locate and identify any type of vacancy in any type of material. The work is expected to open the door to comprehensive and in-depth studies of various micro-mechanisms of vacancies.

As featured in:



See YongQuan Wu *et al.*,  
*Mater. Horiz.*, 2024, 11, 2115.