2024.09.30 University of Science and Technology of China

MONTHLY REPORT

第 1 期

By International College



Abstract

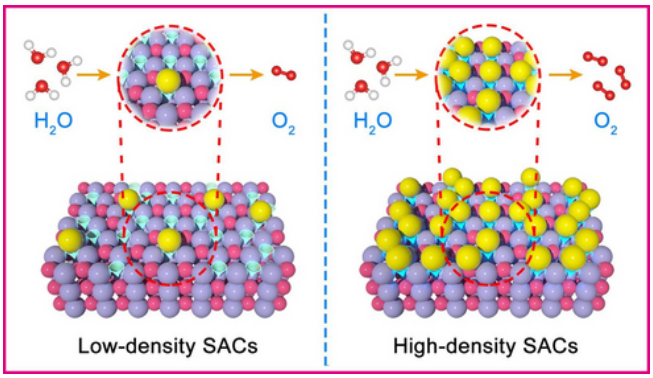
◎ Research ◎ Activity ◎ News



RESEARCH

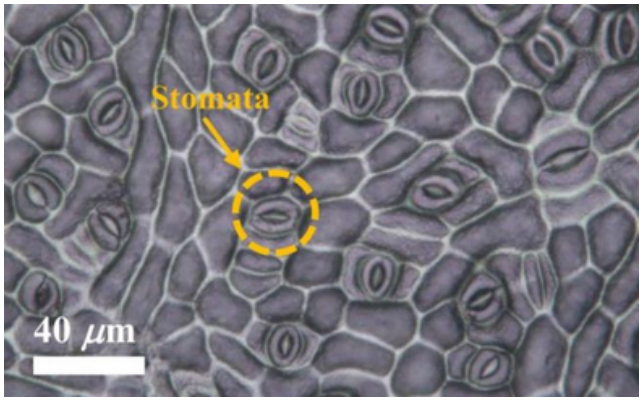
· 1

USTC Achieves High-Resolution 2D Imaging for Graphene Devices under High Pressure



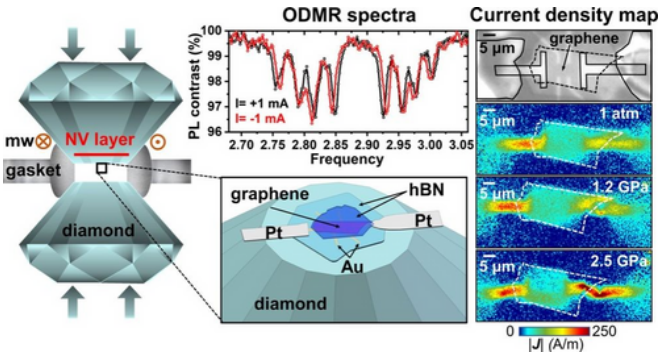
· 3

New Theoretical Model for Multisite Alloy Catalyst Design



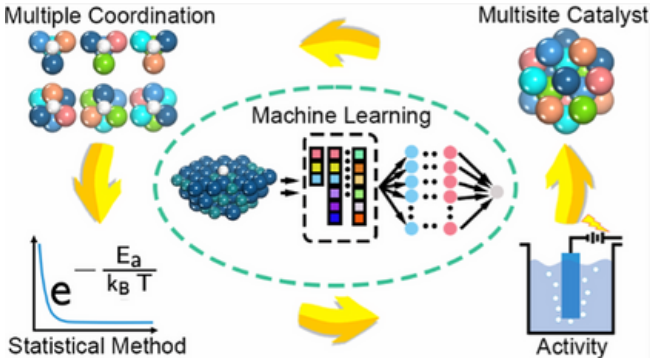
· 5

New Photocatalyst Achieves Superior Oxidative Methane Coupling



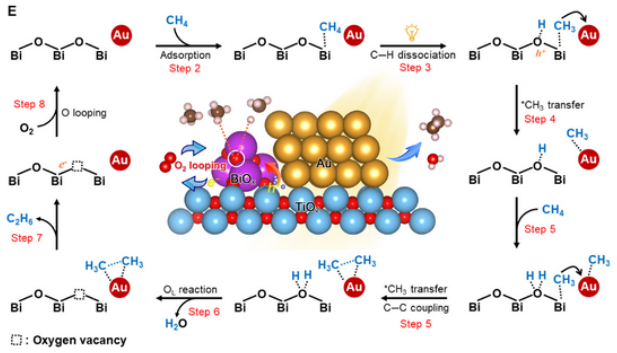
· 2

Researchers Unveil Mystery of Performance Enhancement in Single-Atom Catalyst



· 4

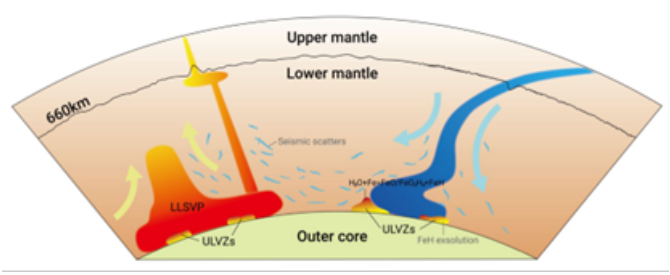
Bio-inspired Wick Enhances Electronic Chip Cooling

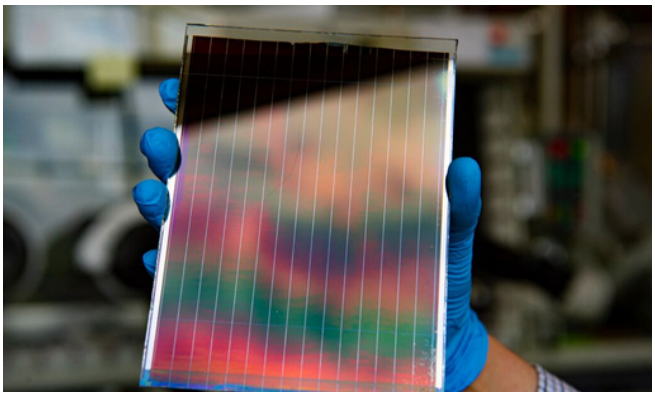


RESEARCH

· 6

USTC Identifies Superionic Iron Hydride as Key to Ultralow-Velocity Zones at Earth's Core-Mantle Boundary



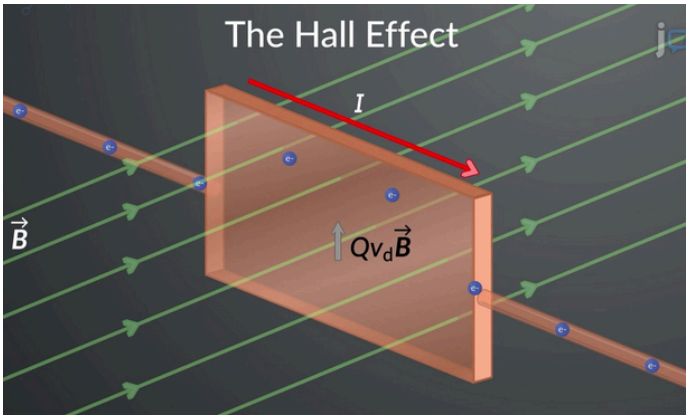


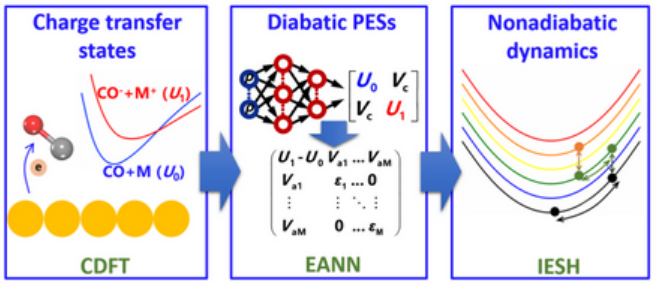
· 7

USTC Sets New World Record in Perovskite Solar Cell Efficiency

· 8

Tunable Nonlinear Hall Effect at Room Temperature in Tellurium





· 9

New Strategy for Simulating Nonadiabatic Dynamics of Molecules at Metal Surfaces

· 10

New Electrocatalytic Strategy Enables Ultrafast-Charging Lithium-Ion Battery



ACTIVITY

· 2024-08-26

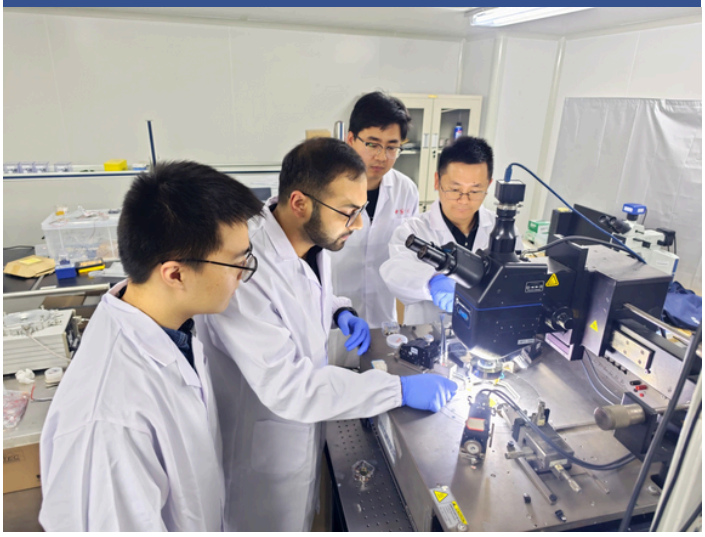
USTC International Students participated in 2024 ZHI-XING Guizhou Silk Road Youth Exchange Program Cool City Tour

· 2024-09-13

USTC International Students participated in 2024 Foreigners Meet Chinese Traditional Festivals—the Middle Autumn Festival

· 2024-09-28

USTC International Students participated in 2024 Cycling Tour Race of Chaohu









News

An Innovative Three-Terminal Diode Published in Nature Electronics by USTC International Student Muhammad Hunain Memon