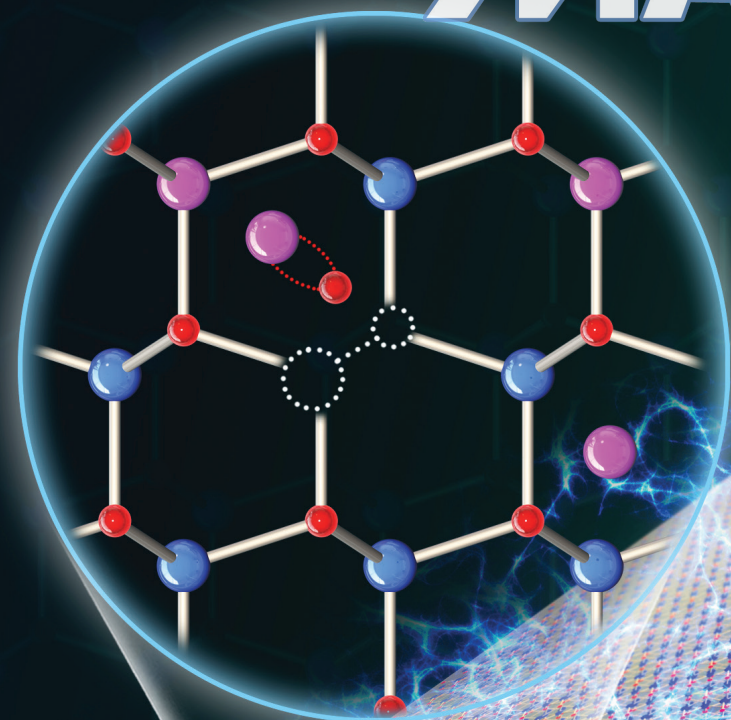


ADVANCED FUNCTIONAL MATERIALS



NANOTUBES

High performance piezoelectric nanogenerators based on self-compensated insulating ZnO via native defect control are demonstrated by S.-W. Kim and co-workers on page 6949. Self-compensation of donor and acceptor type native defects makes ZnO insulating. Without additional passivation agents, dramatic enhancement of the piezoelectric output performance is observed compared to a donor defect rich ZnO NG under same mechanical strain.