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Professor Ho Won Jang

Seoul National University, Republic of Korea



Ho Won Jang, a Full Professor in the Department of Materials Science and Engineering at Seoul National University, leads a research group focused on pioneering new materials and devices. After earning his Ph.D. from POSTECH in 2004, he expanded his expertise as a Research Associate at the University of Wisconsin-Madison and as a Senior Research Scientist at KIST. Since joining SNU in 2012, his work has made significant contributions to diverse technological fields. His research portfolio includes developing materials for solar fuel generation, high-performance chemical sensors, nonvolatile memory, and neuromorphic computing systems, often leveraging phenomena such as plasmonics, ferroelectrics, and metal-insulator transitions. He is associate editors for journals including *Exploration* (IF: 30.4) and *EcoEnergy*. With over 700 peer-reviewed publications, professor Jang is a recognized international leader in materials science.