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Career

2023.08-current Senior Researcher, Advanced Institute of Convergence Technology, Seoul National University
2020.07-2023.07 Senior Researcher, Center for Correlated Electron System (CCES), Institute for Basic Science (IBS),
Department of Physics and Astronomy, Seoul National University (Director: Prof. Tae Won Noh)
2014.07-2020.06 Research Professor, Department of Physics, Konkuk University, Seoul, Korea
2012.02-2014.05 Post-doctoral Associate, Max Planck Institute of Microstructure Physics, Halle (Saale), Germany
Supervisors: Dr. Marin Alexe (MPI Halle) & Prof. Dietrich Hesse (MPI Halle)
2011.09-2012.02 Post-doctoral Associate, EWha-CNRS International Research Center, Seoul, Korea

Education

2006.03-2011.08 Ph.D. in Department of Physics, Ewha Womans University
Supervisor: Prof. William Jo (Ewha Womans University)
Thesis: Nanoscale properties of oxide ferroelectric and multiferroic thin films grown by pulsed laser deposition and chemical solution method
2002.03-2006.02 B.S. in Department of Physics, Ewha Womans University

Publication List

[41] Jong Hoon Kim, Yun Jae Jeong, Woo Tae Jang, You Jung Kim, Il-Kyun Shin, Chung Soo Kim, **Ji Hye Lee**, Bae Ho Park, Jae-Hyeon Cho, Wook Jo, and Young Heon Kim, "Phase separation and microstructural evolution of the perovskite and pyrochlore structures in Pb-based multi-cation complex oxides: A transmission electron microscopy study", *Applied Surface Science* 159566 (2024)

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[34] **Ji Hye Lee***, Hong Joon Kim, Eunjo Ryoo, Jinhyuk Jang, Sanghyeon Kim, Jeong Rae Kim, Se Young Park, Si-Young Choi*, Tae Won Noh* and Daesu Lee*, "Thickness-driven morphotropic phase transition in metastable ferroelectric CaTiO_3 ", *Advanced Electronic Materials*, 2101398 (2022) *co-first & corresponding author

[33] Jaehun Jeong, Hyeonsik Kim, Gihyeon Kwon, Kwangsik Jeong, Hyangsook Lee, **Ji Hye Lee**, Myunguk Park, Changjun Lee, Sanghyuk Yu, Heegoo Kim, Seongil Im, Kyunghwa Yoo, Eunha Lee, and Mann-Ho Cho, "Ferroelastic-ferroelectric multiferroicity in van der Waals rhenium dichalcogenides", *Advanced Materials*, 210877 (2022)

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[14] Sung-Yun Lee, **Ji Hye Lee**, Soon-Mi Choi, William Jo, Young-Hwan Kim, Kyoung Jin Choi, Mi-Young Kim and Sang-im Yoo, "Microstructures and electrical properties of CaCu₃Ti₄O₁₂ thin films on Pt/TiO₂/SiO₂/Si substrates by pulsed laser deposition", *Journal of Materials Research*, 26, 2543-2551 (2011)

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Conference Proceedings

[1] Jiyong Lim, Young-Hwan Choi, Kyu-Heon Cho, **Jihye Lee**, William Jo and Min-Koo Han, "1.4 kV AlGaIn/GaN HEMTs Employing As⁺ Ion Implantation on SiO_2 Passivation Layer", 39th IEEE Annual Power Electronics Specialists Conference (2008)