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Prof. Oh's current research interests and topics are focused on fabricating emerging electronic devices with nanostructured materials and especially, cover wide range of semiconductor fields based on "Atomic Layer Deposition"; the fabrication and evaluation of electronic devices including in semiconductor/memory devices, and the fabrication and elucidating of new concepts of electronic devices with novel nanostructures by controlling surface chemical reaction.

He got a Ph.D degree at Department of Electrical and Electronic Engineering, Yonsei University, and had been a post-doc researcher at Department of Chemical Engineering, Stanford University. He joined Ajou University at 2021, March. He has published 77 SCI papers and 57 patents.