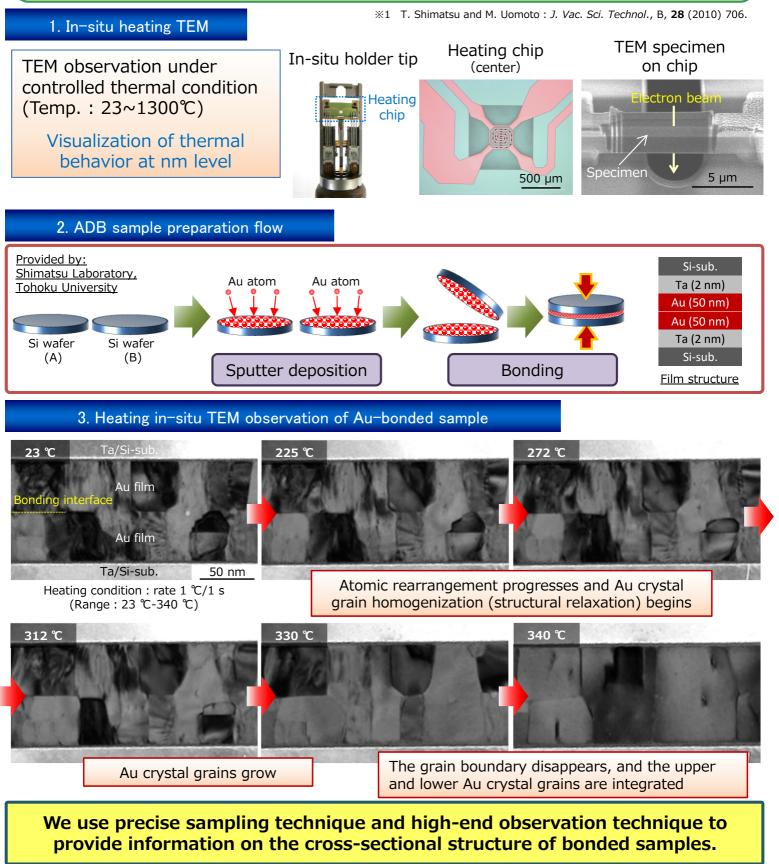
## Visualization of atomic rearrangement behavior in bonded samples by heating in-situ TEM

ADB<sup>%1</sup>(Atomic Diffusion Bonding) is used to improve the performance of various devices as a low temperature bonding technology for heterogeneous and homogenous wafers. This paper introduces an example of in-situ TEM observation of an ADB sample using an Au thin film and capturing the atomic rearrangement behavior of the Au bonding film during the heat treatment process.



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