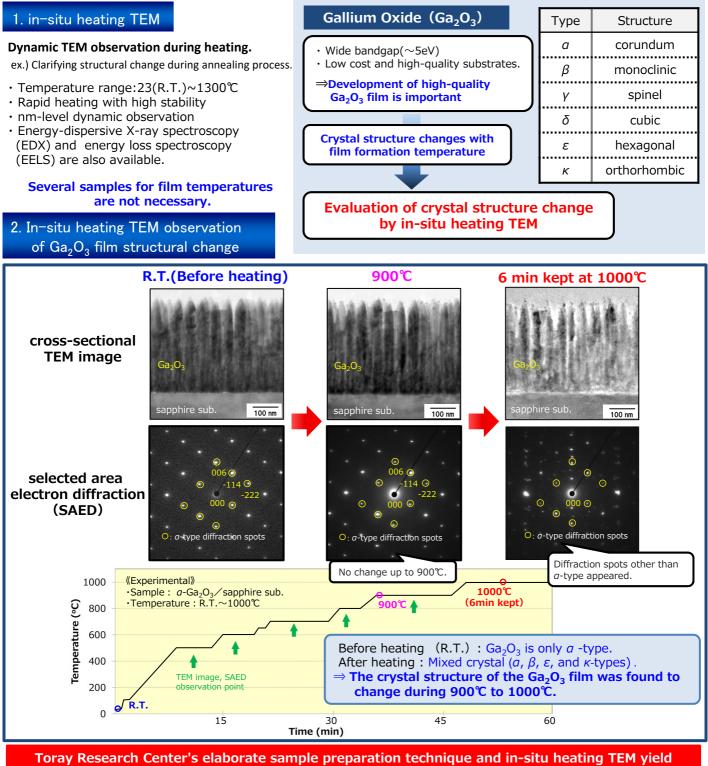
Crystal structural change of Ga₂O₃ film evaluated by in-situ heating TEM

Gallium oxide (Ga_2O_3) is attracting much attention as a candidate material for next-generation power devices. Ga_2O_3 has several polymorphs and the crystal structural changes with the film formation temperature. In-situ heating TEM is a powerful tool for understanding such structure change. An example of the structural analysis of a Ga_2O_3 film using in-situ heating TEM is shown below.



nanometer-scale direct observation of structural phase transition of Ga₂O₃ film.

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