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**Synthesis of two-dimensional materials by chemical vapor deposition: graphene,
hexagonal boron nitride, and transition metal dichalcogenides**

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Recently, two dimensional (2D) materials including graphene, hexagonal boron nitride, and TMDs (MoS_2 , MoSe_2 , WS_2 , and WSe_2) have been highlighted due to their unique properties such as new physical, chemical properties as well as new applications in various fields. However, it is still challenge to obtain the large area and high quality 2D materials. In this presentation, we will overview the recent progress of the synthesis of 2D materials as well as their growth mechanism. Fundamental physical and chemical properties and potential applications of each material are further presented. We expect that our overview will provide a route to find an ultimate way for synthesizing large area and high quality 2D.