

Meter-sized two-dimensional single crystals and optical fibres

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Two-dimensional materials, such as graphene and hBN, are of atomic thickness and their properties are therefore very sensitive to the interfacial interaction with other materials. By designing and utilizing this interfacial interaction, we have lots of opportunity in engineering the growth and application of two-dimensional materials. In this talk I will introduce several our recent works on this topic, including the epitaxial meter-sized growth of single-crystal graphene [1] and hBN [2], and the growth and device of graphene photonic crystal fibre [3].

Key words: Graphene, hBN, Single Crystals, Optical Fibres

References

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