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Support information Low-surface energy carbon allotrope: the case for $bcc-C_6$

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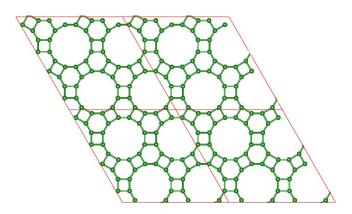


Figure S1. The relaxed two layered $(2 \times 2 \times 1)$ supercell in (111) orientation. After optimization, the buckled initial structure becomes the plane sheet.