Supplementary Materials

Atomic Arrangements of Graphene-Like ZnO

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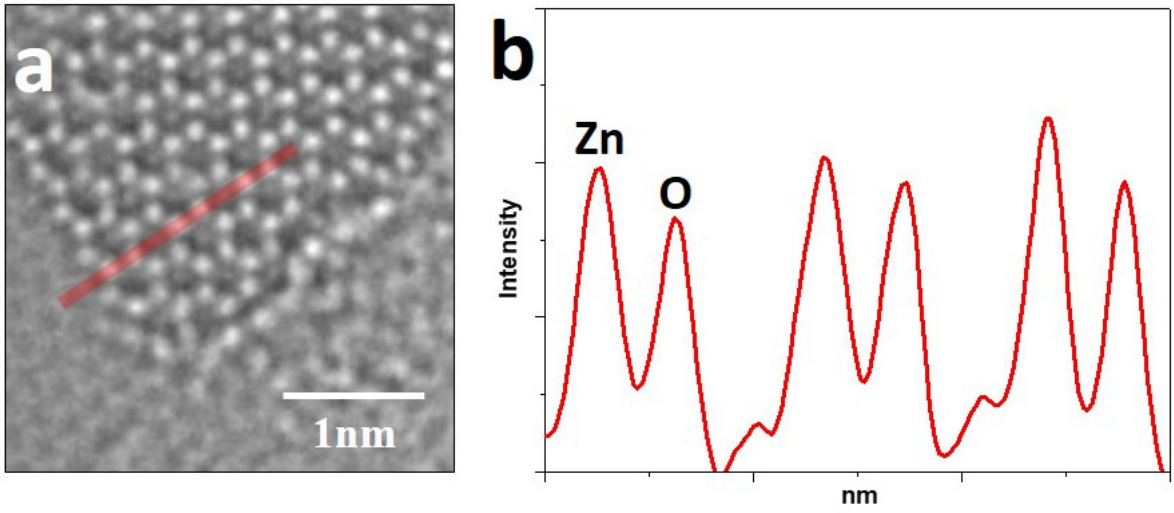

Figure S1. (**a**) Raw image of Figure 3(e). (**b**) Intensity line profiles acquired from the red line in (a). This indicates that the ZnO flake has O-terminated ZZ configuration.

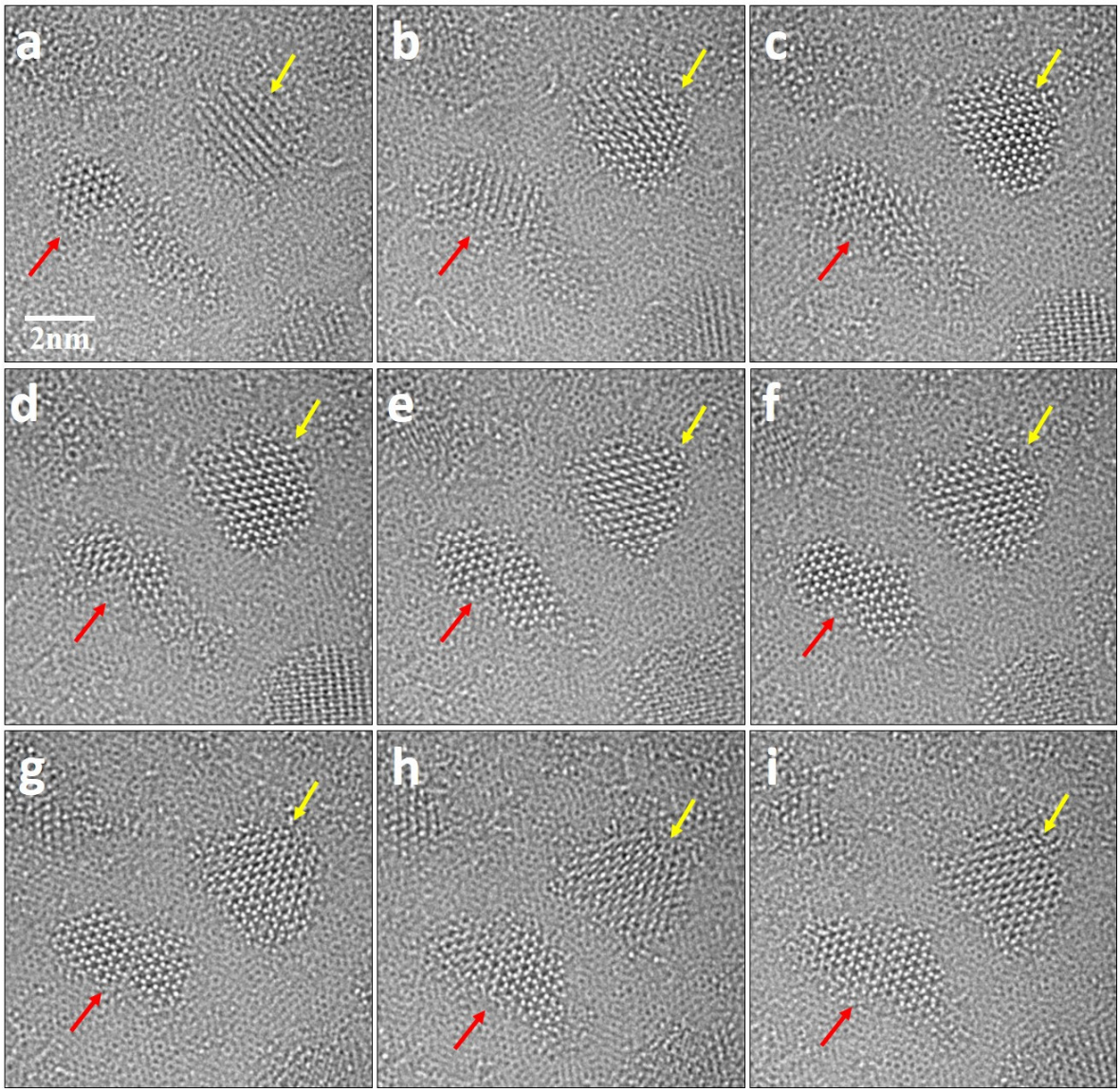

Figure S2. Atomic g-ZnO flakes on the graphene. (**a–i**) ACTEM images showing the flakes atomically driven under electron beam irradiation.

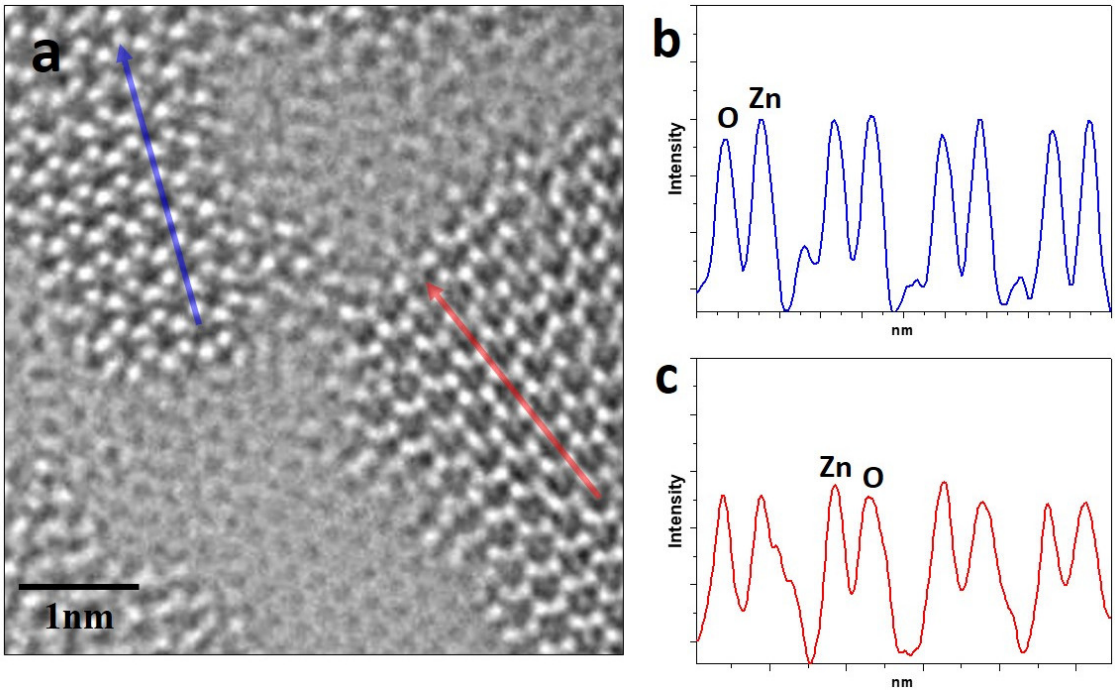

Figure S3. (**a**) Raw image of Figure 5(a). (**b**) and (**c**) Intensity line profiles acquired from blue and red arrows in (a).

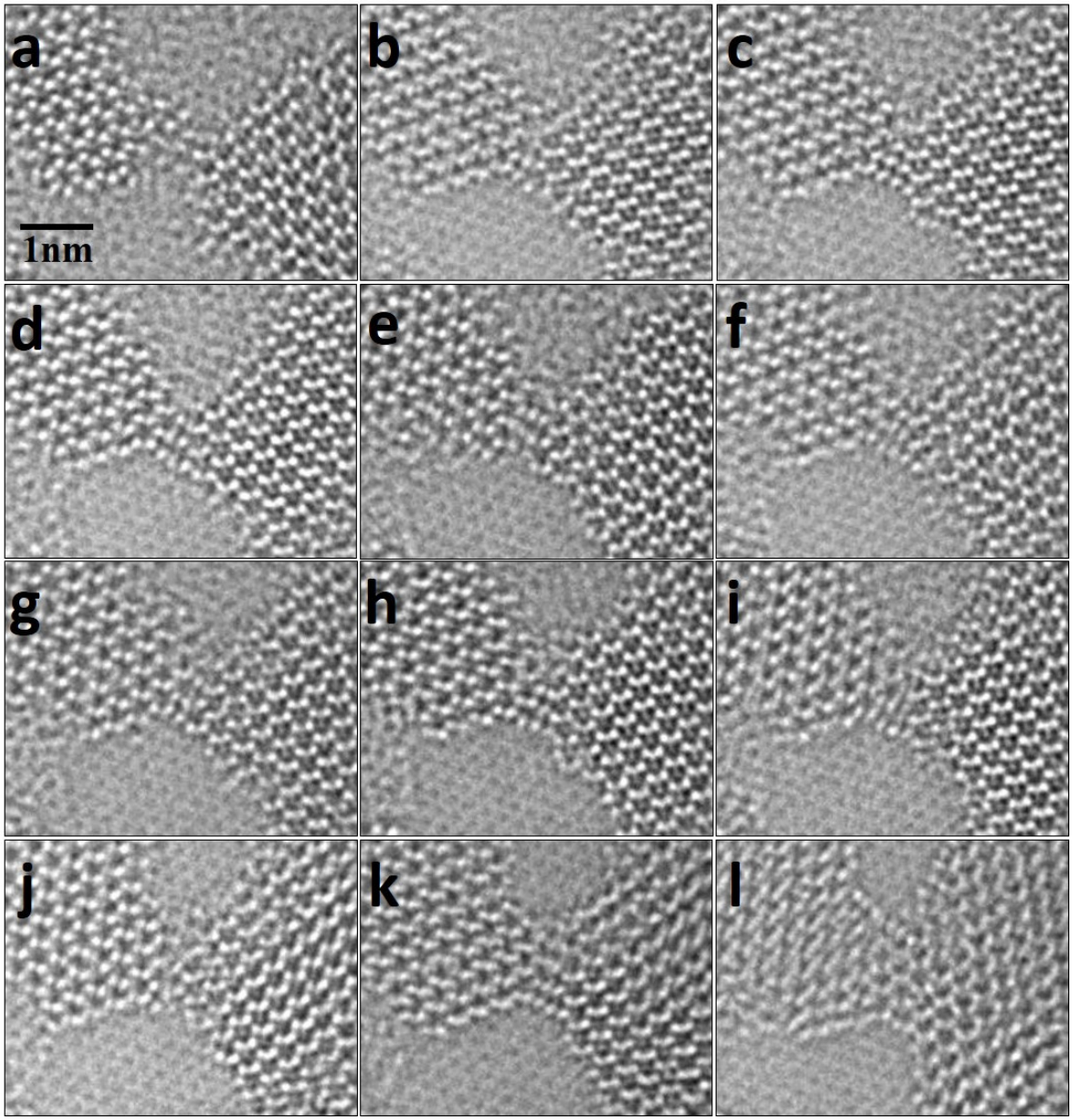

Figure S4. ACTEM images showing the full processes of the merging between the g-ZnO flakes. .