

Electronic Supplementary Information for

Structure evolution in “114” oxides $\text{CaBaZn}_2\text{Ga}_{2-x}\text{Al}_x\text{O}_7$ ($x = 0, 1, 2$)
and layered cationic ordering in tetrahedral sites for $\text{CaBaZn}_2\text{Al}_2\text{O}_7$

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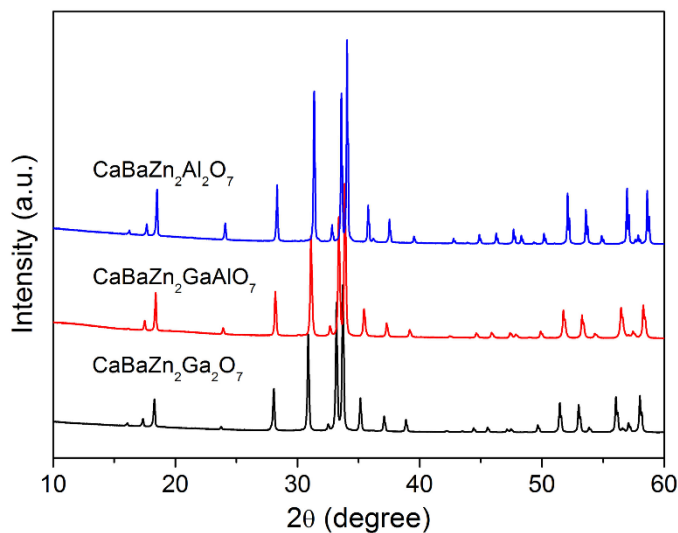


Fig. S1 Powder XRD patterns for $\text{CaBaZn}_2\text{Ga}_{2-x}\text{Al}_x\text{O}_7$. By Al^{3+} -substitution into the parent compound $\text{CaBaZn}_2\text{Ga}_2\text{O}_7$, the reflection peaks shift to higher angles, which indicate the decrease of the unit cell volume.