KZn$_4$SbO$_7$ and KZn$_4$Sb$_3$O$_{12}$: Syntheses, Structures and Photophysics of Sb$^{5+}$

Control Materials

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Supporting Information
Figure S1. Simulated and experimental XRD powder patterns for 1 (a) and 2 (b).

b: KZn₄Sb₃O₁₂

Figure S2. The calculated CIE chromaticity coordinates of (0.380, 0.440) and (0.310, 0.450) close to the coordinates of white-light emission for KZn₄SbO₇ and KZn₄Sb₃O₁₂.
Figure S3. The band structures of plots. The lowest conduction band is at G-point and the highest valence band at F-point for KZn₄Sb₃O₁₂ crystal; both the lowest conduction band and highest valence band are at G-point for KZn₄SbO₇, ZnO and Sb₂O₅ crystals.