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Structure and Conductivity Characterization of New Type Ionic
Conductor Stabilized Bismuth Oxide Ternary Systems

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Highlights

- $(\text{Yb}_2\text{O}_3)_x(\text{Dy}_2\text{O}_3)_y(\text{Bi}_2\text{O}_3)_{1-x-y}$ ternary compounds were synthesized by the SSR method.
- Crystal structure and conductivity properties of ternary systems were investigated.
- The relationships between the structural parameters and structural were discussed.
- The effect of dopant rate on conductivity and activation energy were investigated.

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