

Fig. 1. High resolution (120, 000x) images of hexagonal ZnO and 10%Ce³⁺@ZnO

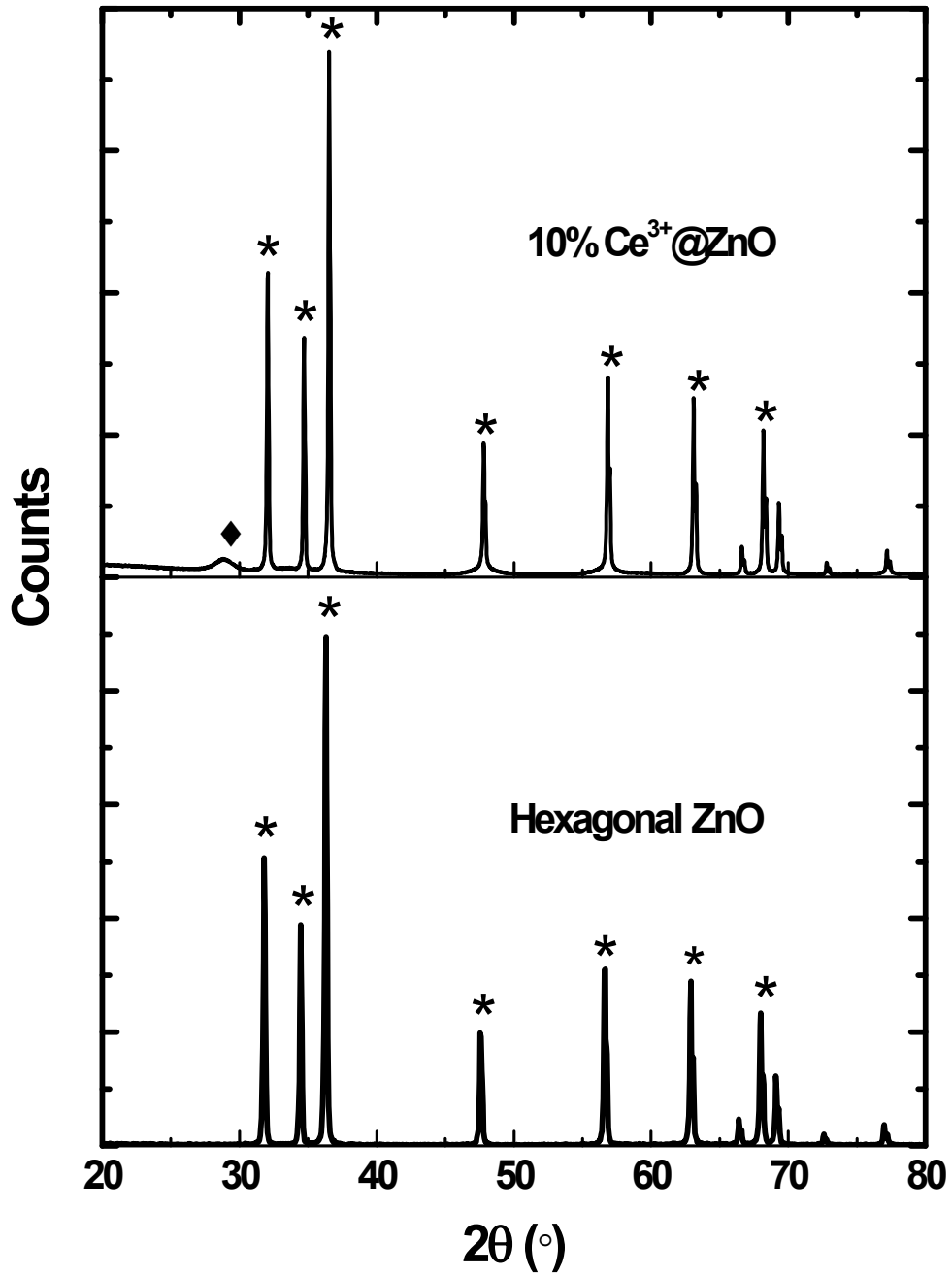


Fig. 2. Comparison of XRD patterns of hexagonal ZnO and $10\% \text{Ce}^{3+}@\text{ZnO}$. (*) represents the reflections due to hexagonal ZnO while (\blacklozenge) indicate the reflection due to hexagonal Ce_2O_3 .

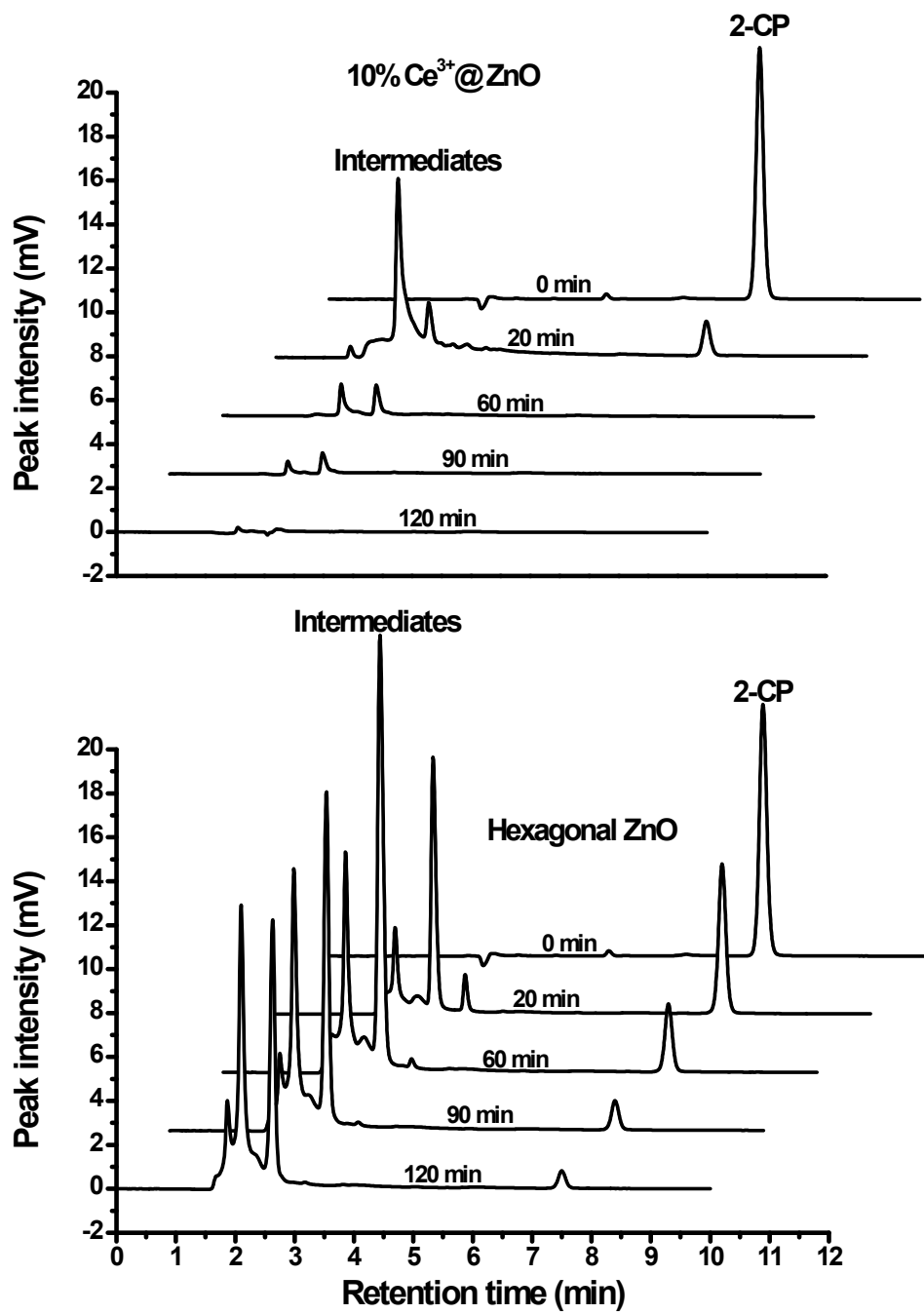


Fig. 3. Comparison of HPLC degradation profiles of 2-CP over hexagonal ZnO and Ce³⁺@ZnO.