

Supplementary information

The influence of Fe³⁺ doping on thermally induced crystallization and phase evolution of amorphous calcium phosphate

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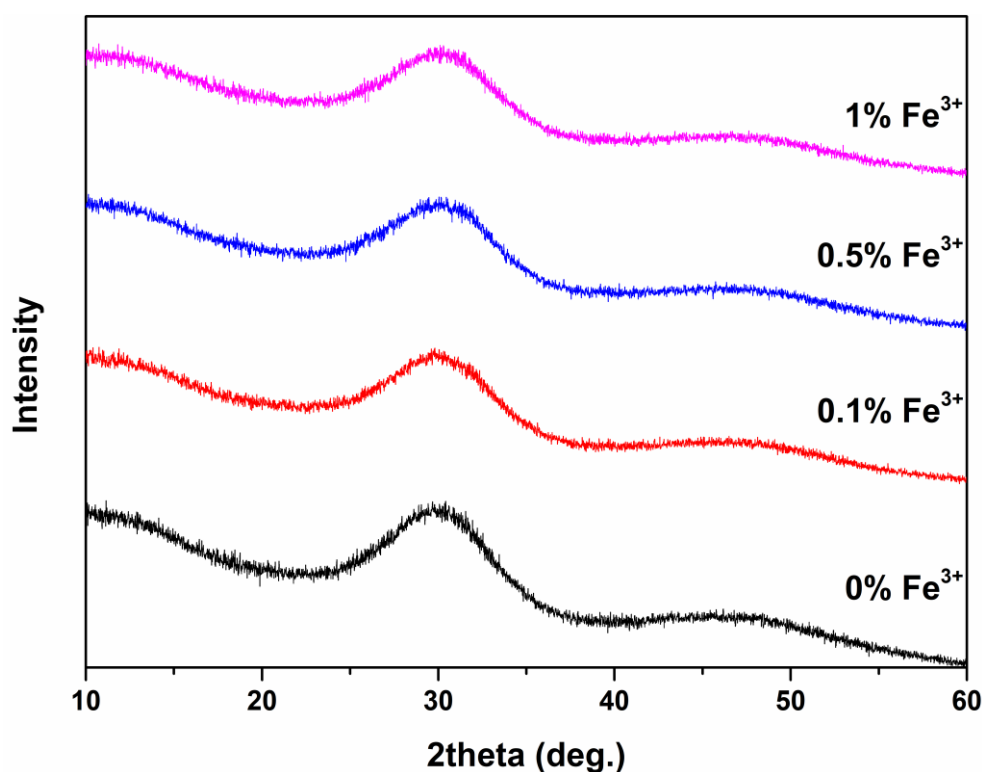


Figure S1. XRD patterns of as-prepared ACP powders substituted with different amounts of Fe³⁺ ions.

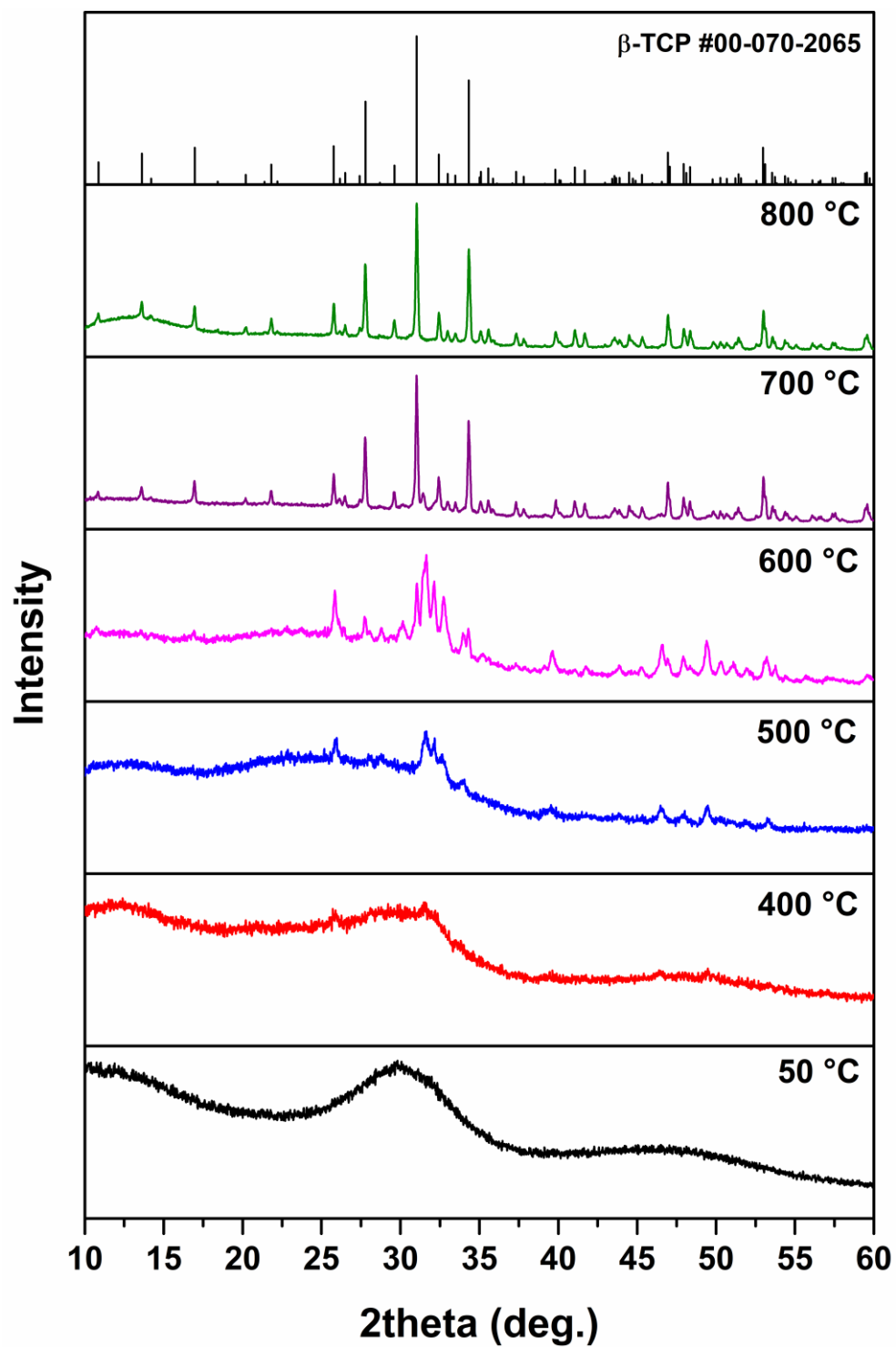


Figure S2. XRD patterns of ACP substituted with 0.1 mol% of Fe^{3+} ions and annealed at different temperatures.

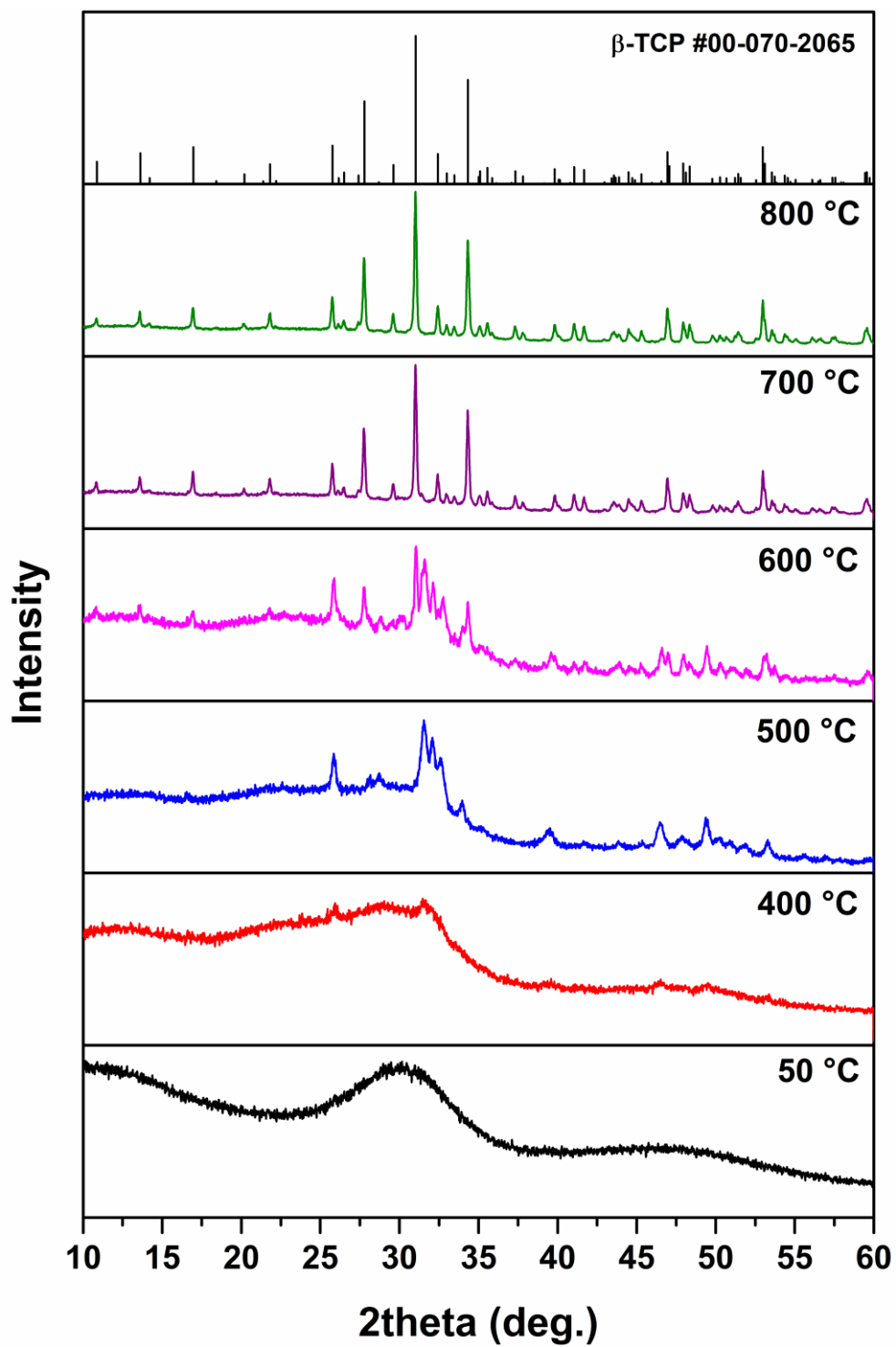


Figure S3. XRD patterns of ACP substituted with 0.5 mol% of Fe^{3+} ions and annealed at different temperatures.

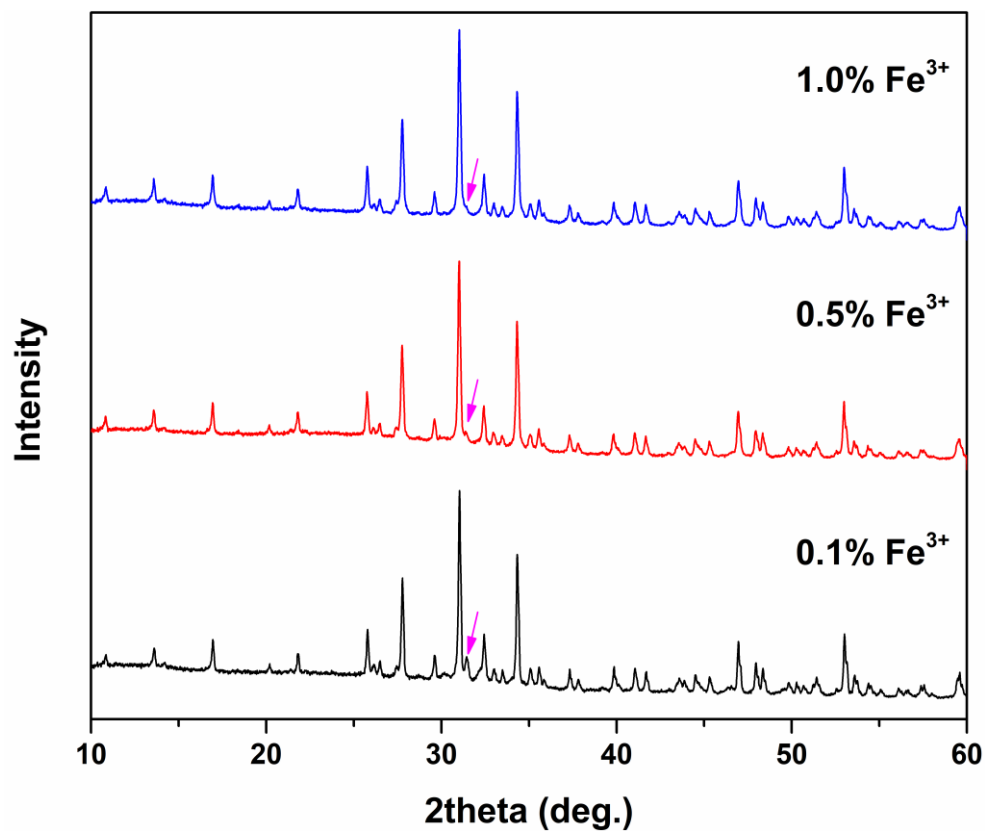


Figure S4. XRD patterns of ACP substituted with different amounts of Fe³⁺ ions and annealed at 700 °C. The pink arrow indicates the residual non-decomposed CDHA precursor.

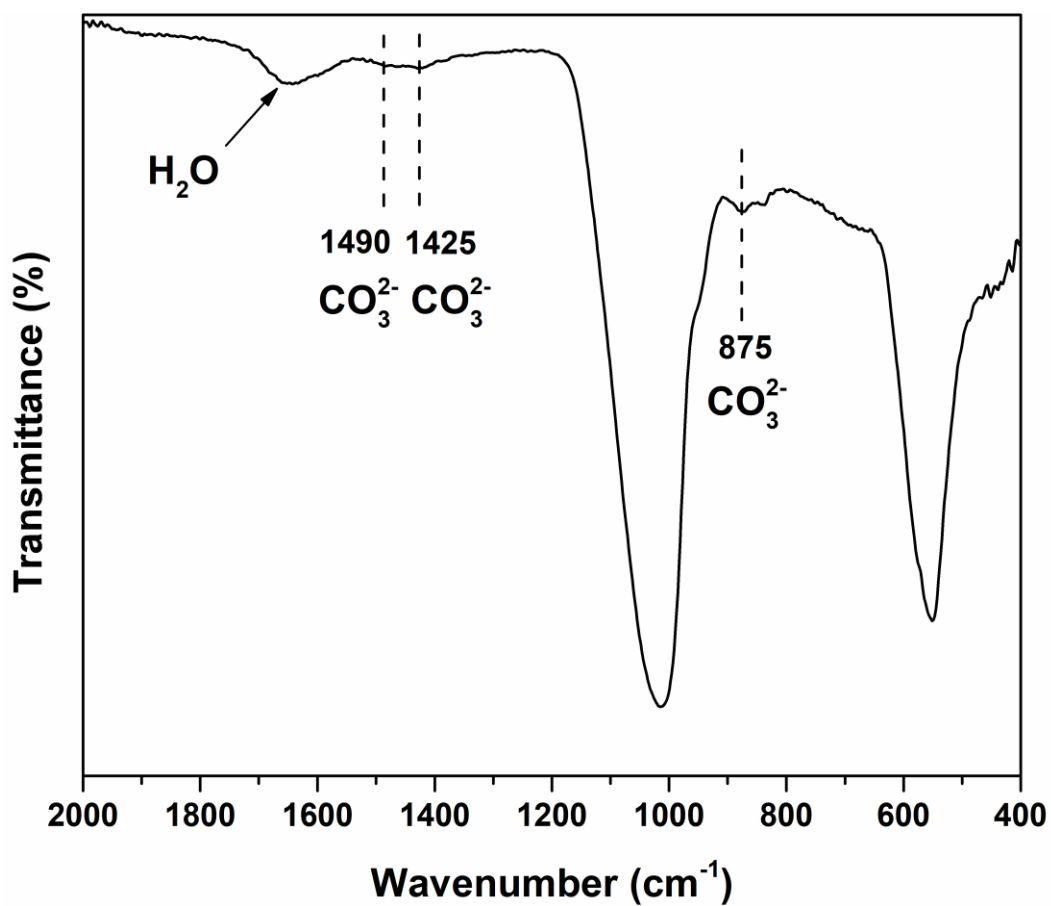


Figure S5. FTIR spectrum of as-prepared ACP substituted with 1 mol% of Fe^{3+} ions.