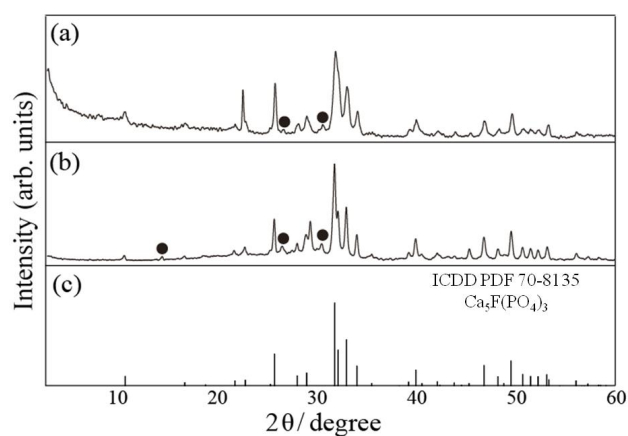
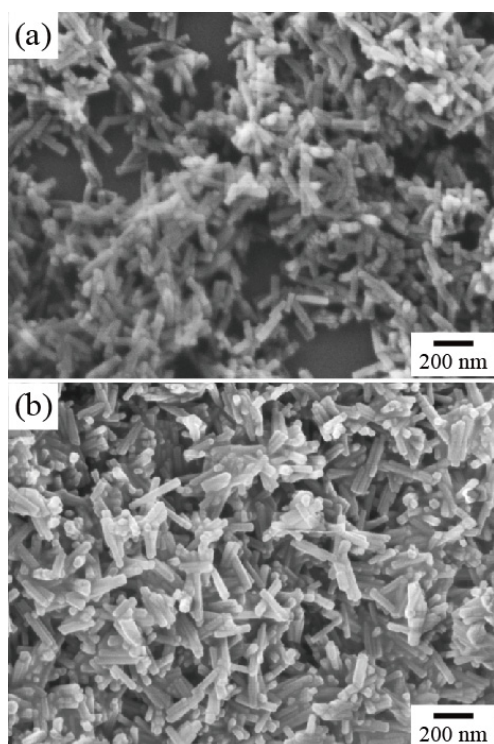


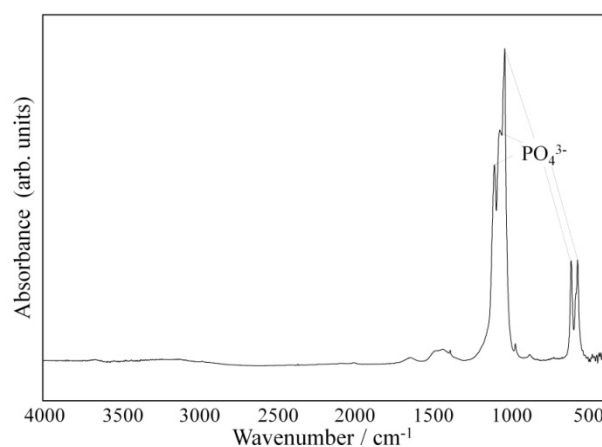
5 ESI. 1 Scheme of N₂ atmospheric pressure plasma jet.



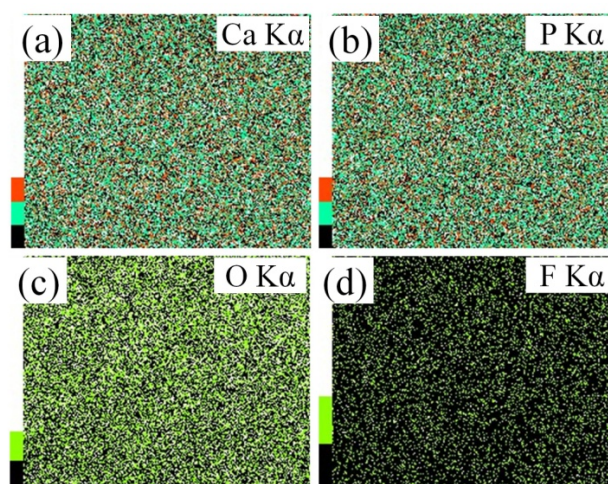
15 ESI. 3 XRD patterns (CuK α) of FAp crystals grown at (a) short time irradiation (solute concentration = 15 mol%) and (b) low solute concentration of 1 mol% (irradiation time = 10 s), respectively, and (c) Ca₅F(PO₄)₃ ICDD PDF.



10 ESI. 2 FESEM images of the FAp crystals grown at (a) short time irradiation of 1s (solute concentration = 15 mol%) and (b) low solute concentration of 1 mol% (irradiation time = 10 s), respectively.



20 ESI. 4 FTIR spectrum of well-developed, 1-D FAp crystals grown on the Si substrate through atmospheric pressure plasma-assisted flux coating method.



25 ESI. 5 EDS mapping images of FAp crystals grown on the Si substrate.