

Supplementary Materials

Immobilization of Alendronate on Zirconium Phosphate Nanoplatelets

Anna Donnadio ^{1,2,*}, Geo Paul ³, Marianna Barbalinardo ⁴, Valeria Ambrogi ¹, Gabriele Pettinacci ¹, Tamara Posati ⁵, Chiara Bisio ^{3,6}, Riccardo Vivani ^{1,2} and Morena Nocchetti ^{1,2,*}

¹ Department of Pharmaceutical Sciences, University of Perugia, via del Liceo 1, 06123 Perugia, Italy

² CEMIN-Centro di Eccellenza Materiali Innovativi Nanostrutturati, University of Perugia, via Elce di Sotto 8, 06123, Perugia, Italy

³ Department of Sciences and Technological Innovation, University of Piemonte Orientale, "A. Avogadro", viale T. Michel 11, 15121 Alessandria, Italy

⁴ CNR-ISMN, Via P. Gobetti 101, 40129 Bologna, Italy

⁵ CNR-ISOF, Via P. Gobetti 101, 40129 Bologna, Italy

⁶ CNR-Istituto di Scienze e Tecnologie Chimiche "Giulio Natta", Via C. Golgi 19, 20133, Milano, Italy

* Correspondence: anna.donnadio@unipg.it (A.D.); morena.nocchetti@unipg.it (M.N.)

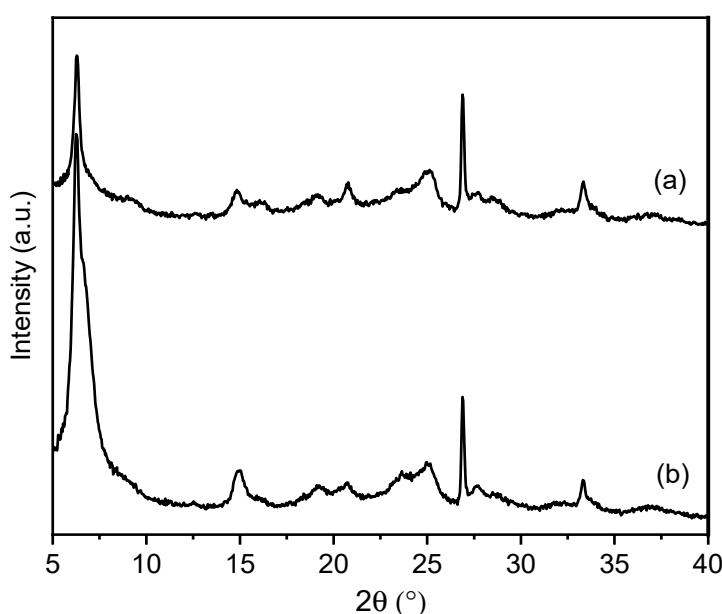


Figure S1. XRPD patterns of γ ZP05 (a) and γ ZP1 (b) washed with HCl and conditioned over P_2O_5 .

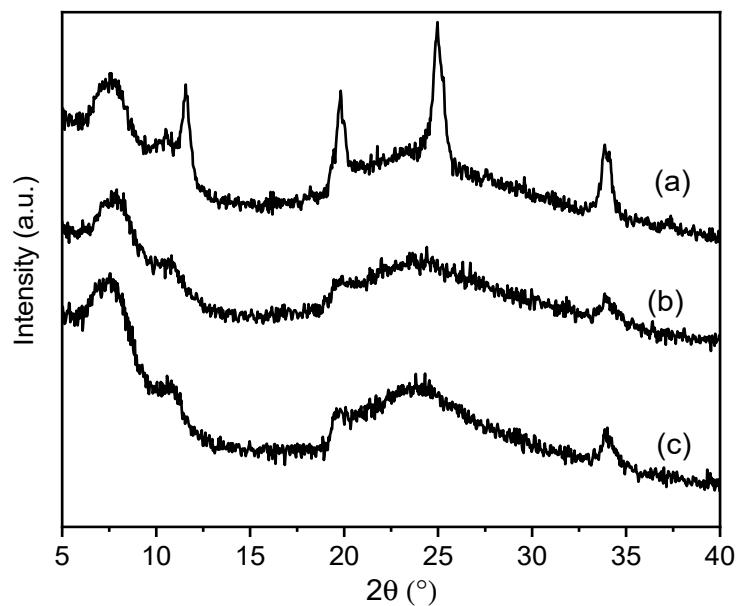


Figure S2. XRPD patterns of samples washed with HCl and conditioned over P_2O_5 : $\alpha\text{ZP}05$ (a), $\alpha\text{ZP}1$ (b) and $\alpha\text{ZP}2$ (c).

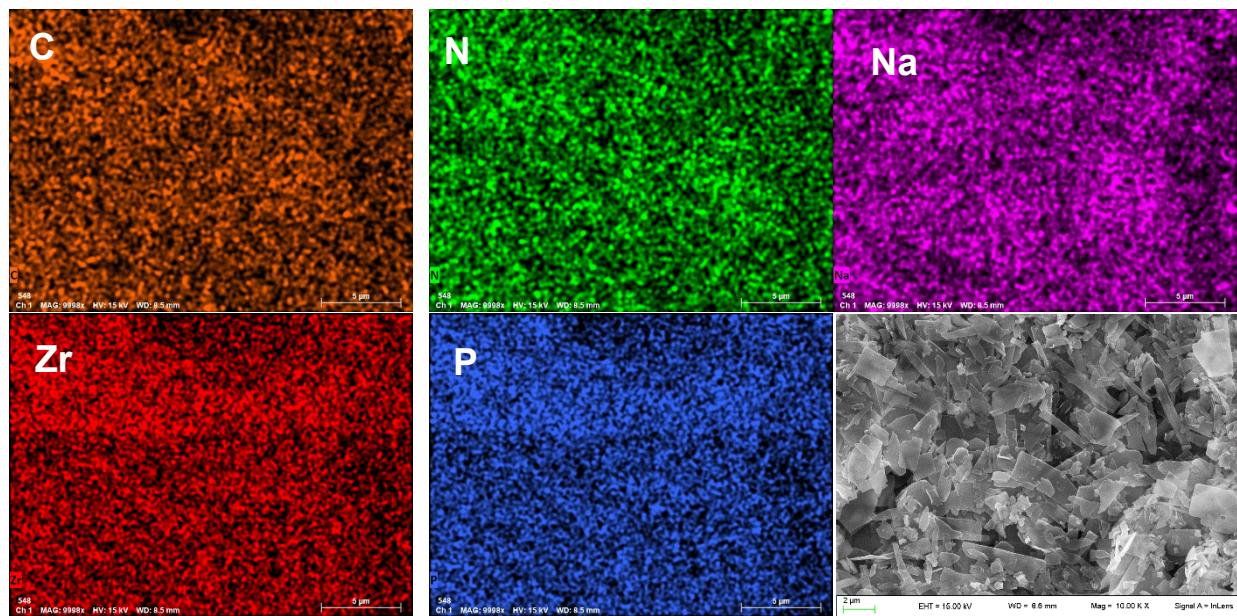


Figure S3. EDX analysis of $\gamma\text{ZP}1$.

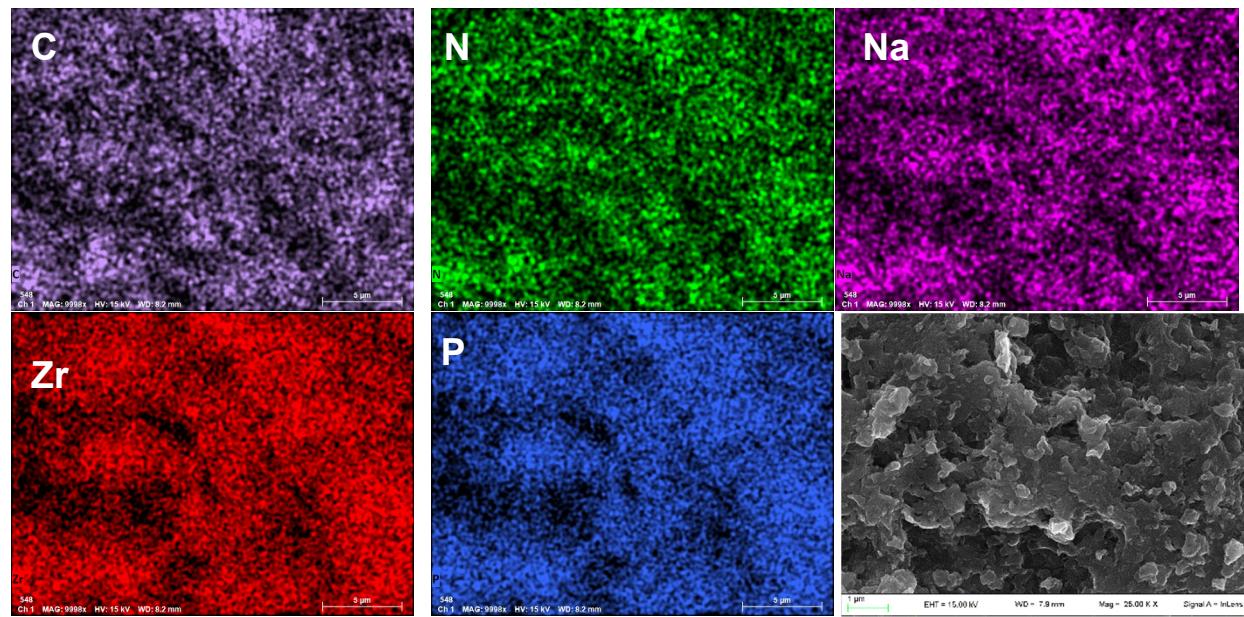


Figure S4. EDX analysis of α ZP1.