

Photothermal-responsive nanocomposite hydrogel for intelligent drug release and alveolar bone regeneration

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Result section

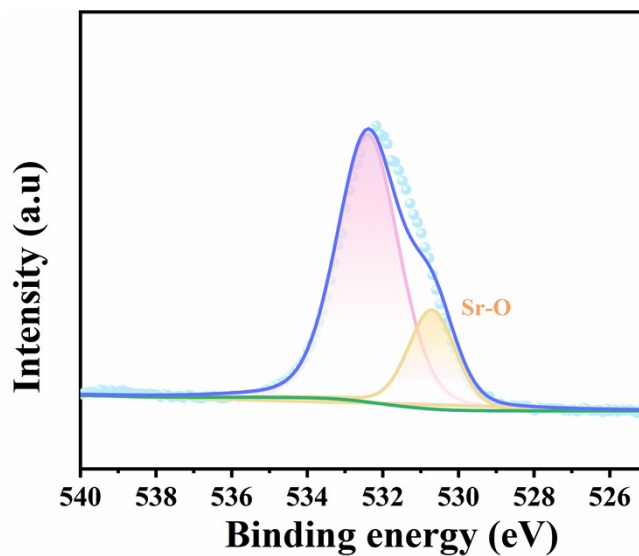


Fig. S1. Fine XPS spectrum of O 1s.

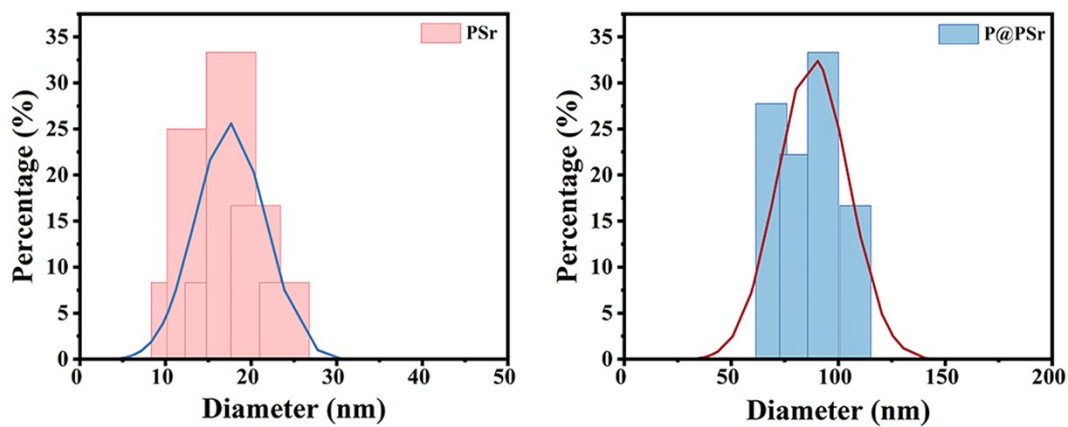


Fig. S2. Particle size distribution of PSr and P@PSr.

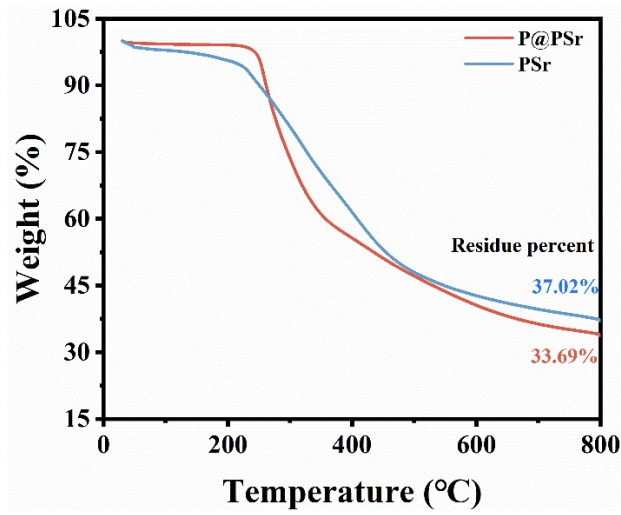


Fig. S3. Thermogravimetric curves of PSr and P@PSr.

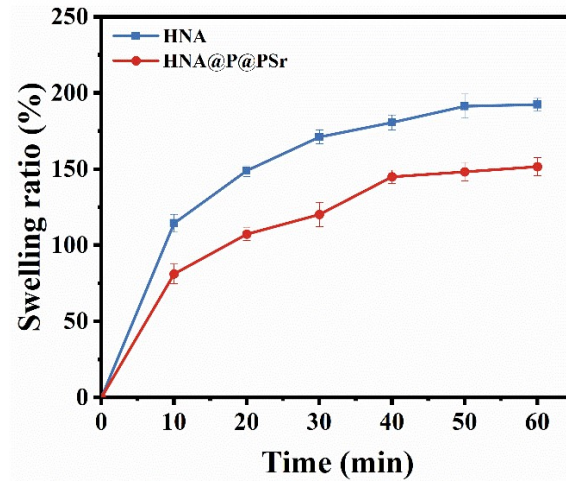


Fig. S4. The swelling behavior of HNA@P@PSr.

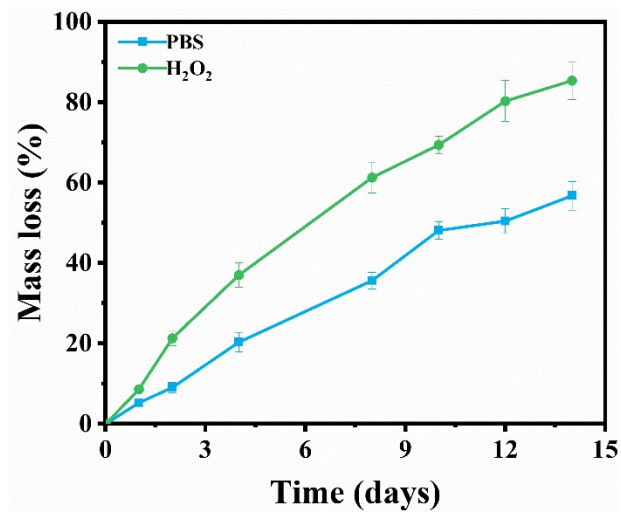


Fig. S5. The degradation of HNA@P@PSr over 14 days.

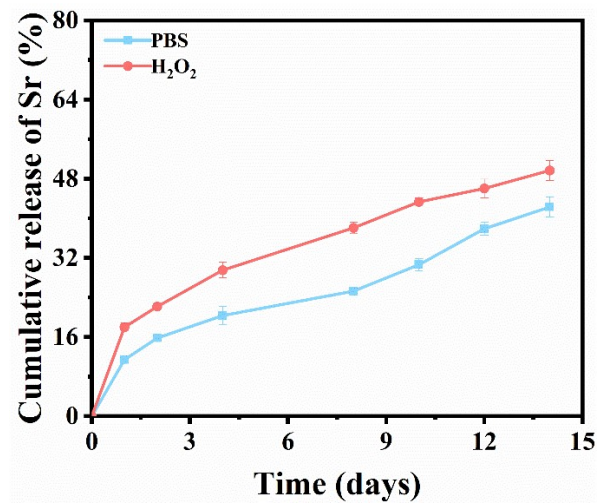


Fig. S6. Sr release profile of HNA@P@PSr at NIR irradiation on PBS or H₂O₂.

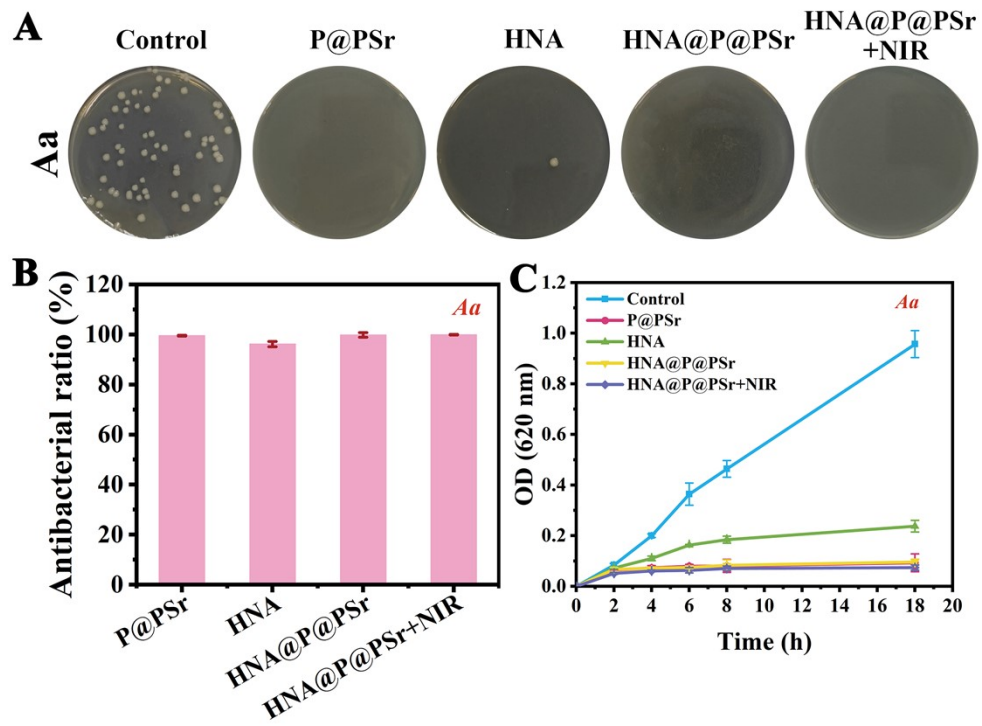


Fig. S7. A. Images of aggregatibacter actinomycetemcomitans (*Aa*) colonies. B. Absorbance value of bacterial suspension. C. Quantitative analysis of bacterial survival ratio.

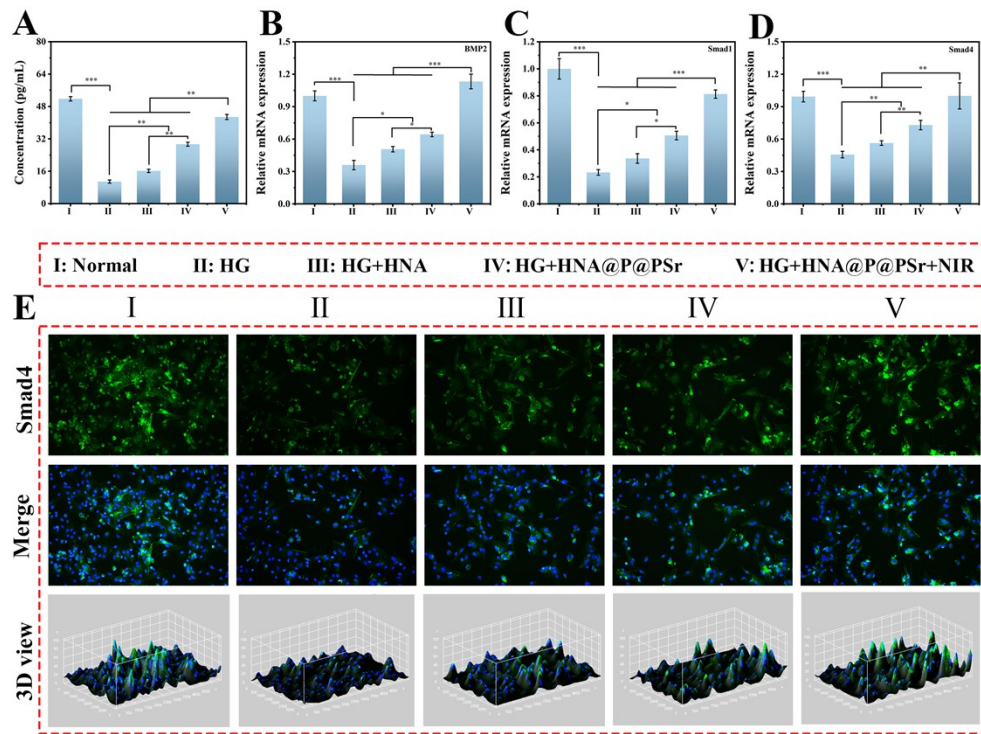


Fig. S8. A. BMP2 content in the cell supernatant. B-D. BMP2, Smad1 and Smad4 mRNA content. E. IF staining for Smad4.