A Synergistically Enhanced Cerium-Based Nanozyme: A Multi-Effect Strategy for Diabetic Wound Healing

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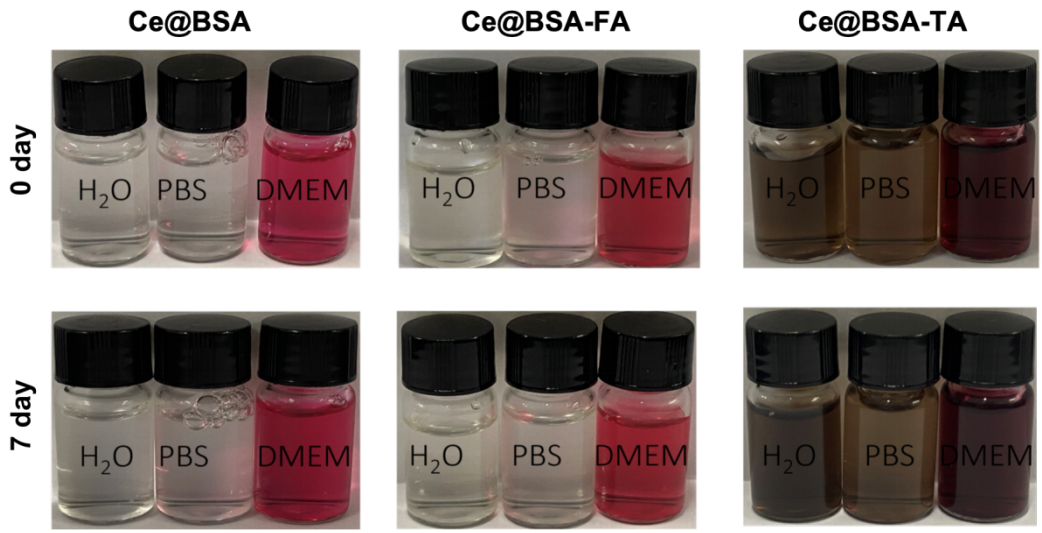
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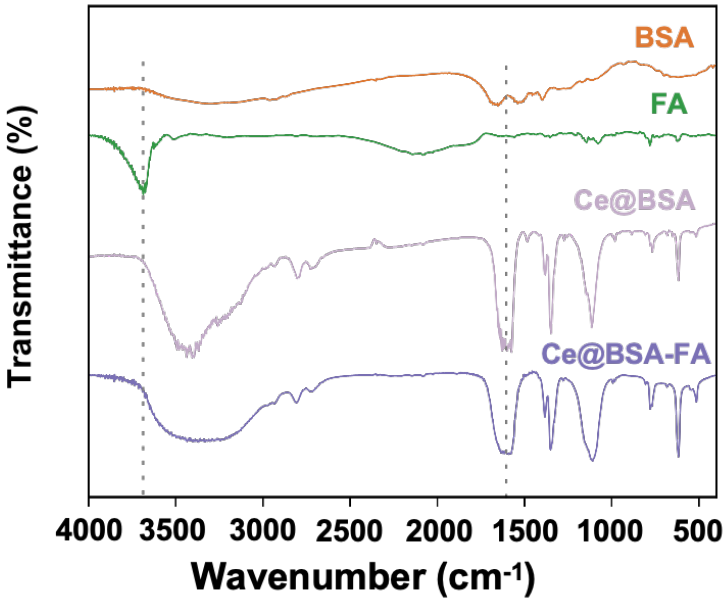
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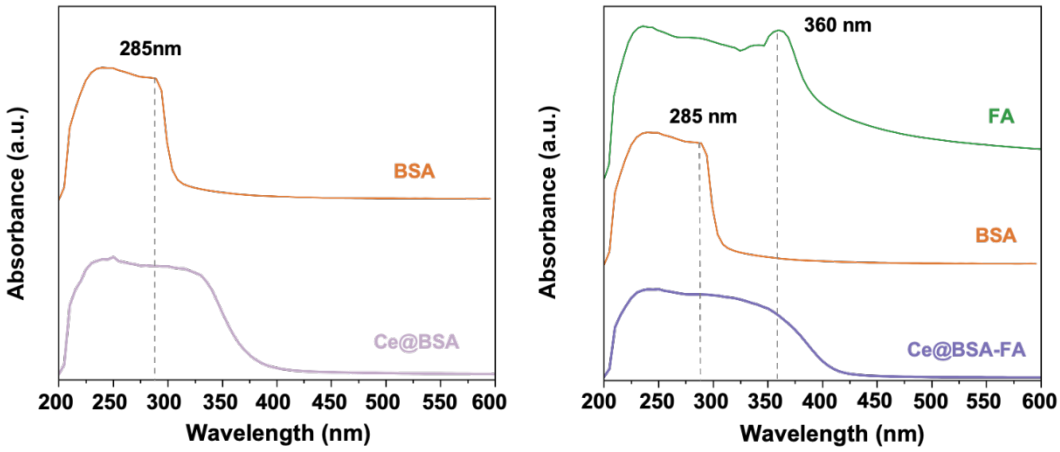
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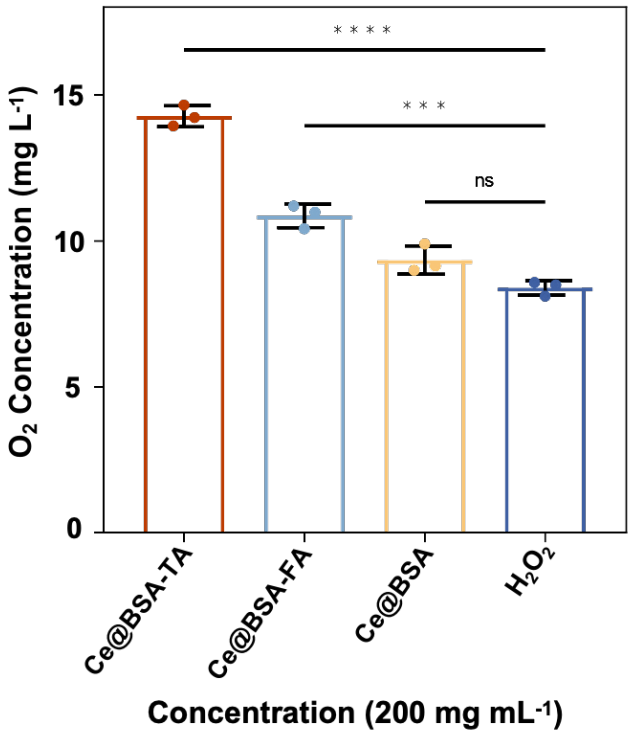
Supplementary Figure S1. Cerium-based nanomaterials before and after standing in different media for 7 days.



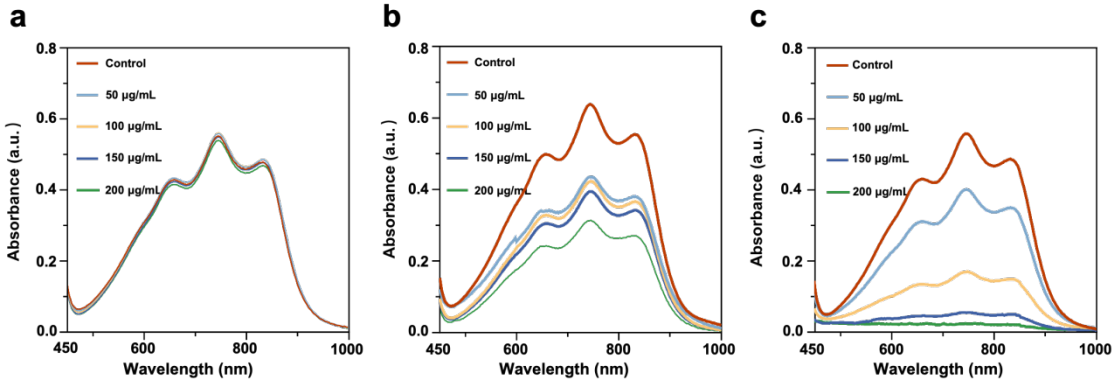
Supplementary Figure S2. FT-IR spectra of BSA, FA, and functionalized Ce-based nanochains.



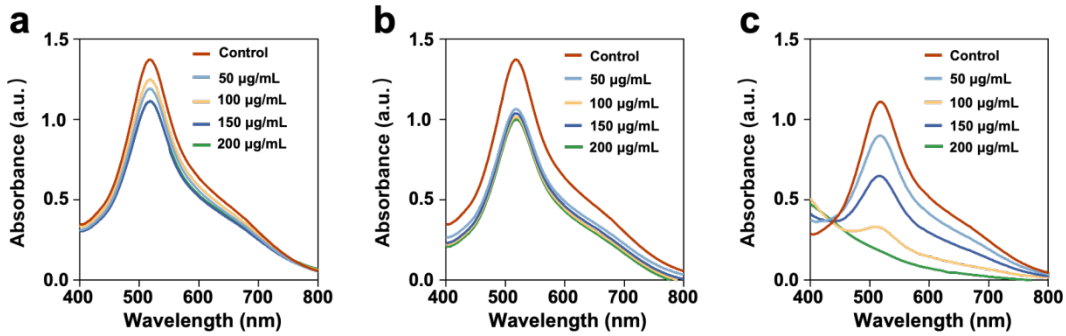
Supplementary Figure S3. UV-Vis absorption spectra of Ce@BSA and Ce@BSA-FA.



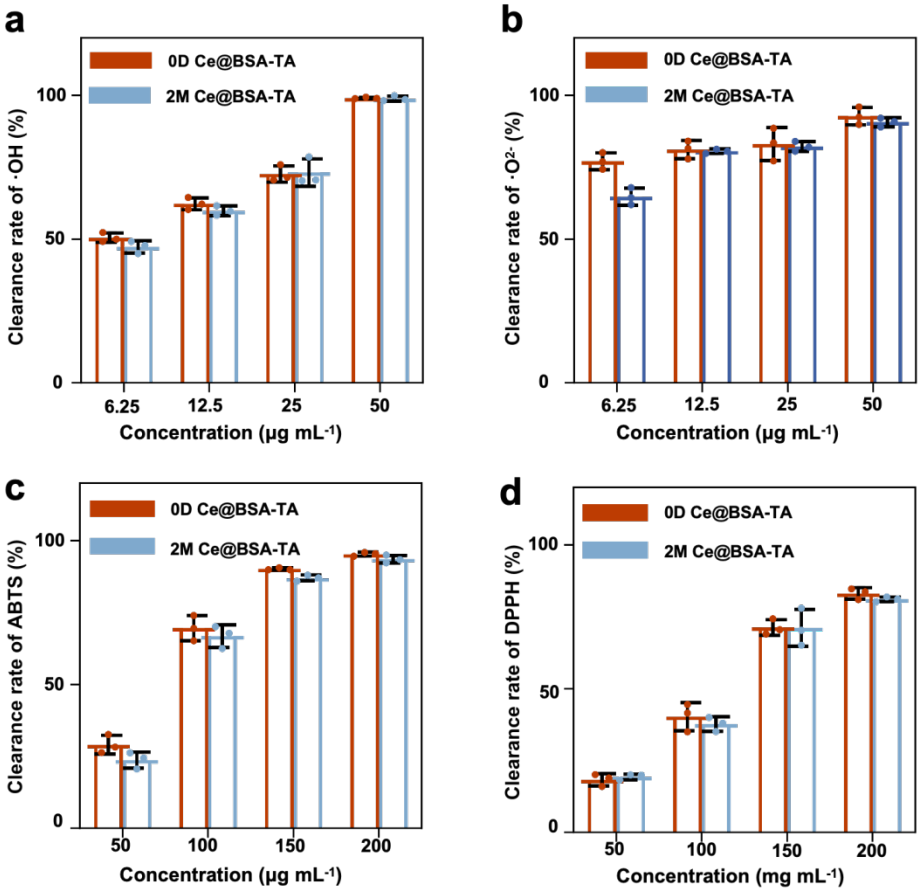
Supplementary Figure S4. Comparison of oxygen generation from H_2O_2 decomposition catalyzed by Ce@BSA, Ce@BSA-FA, and Ce@BSA-TA.



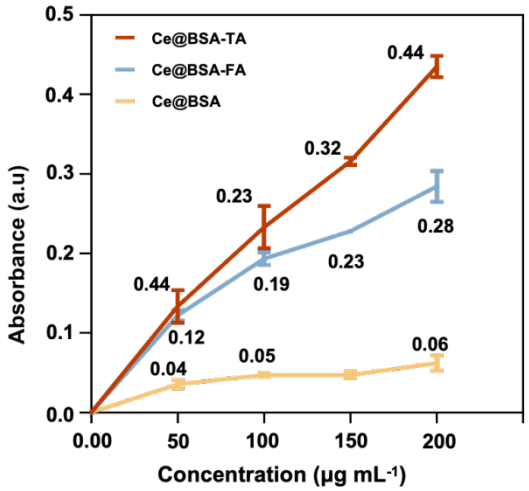
Supplementary Figure S5. $ABTS^{+\cdot}$ scavenging activity (a) Ce@BSA; (b) Ce@BSA-FA; (c) Ce@BSA-TA.



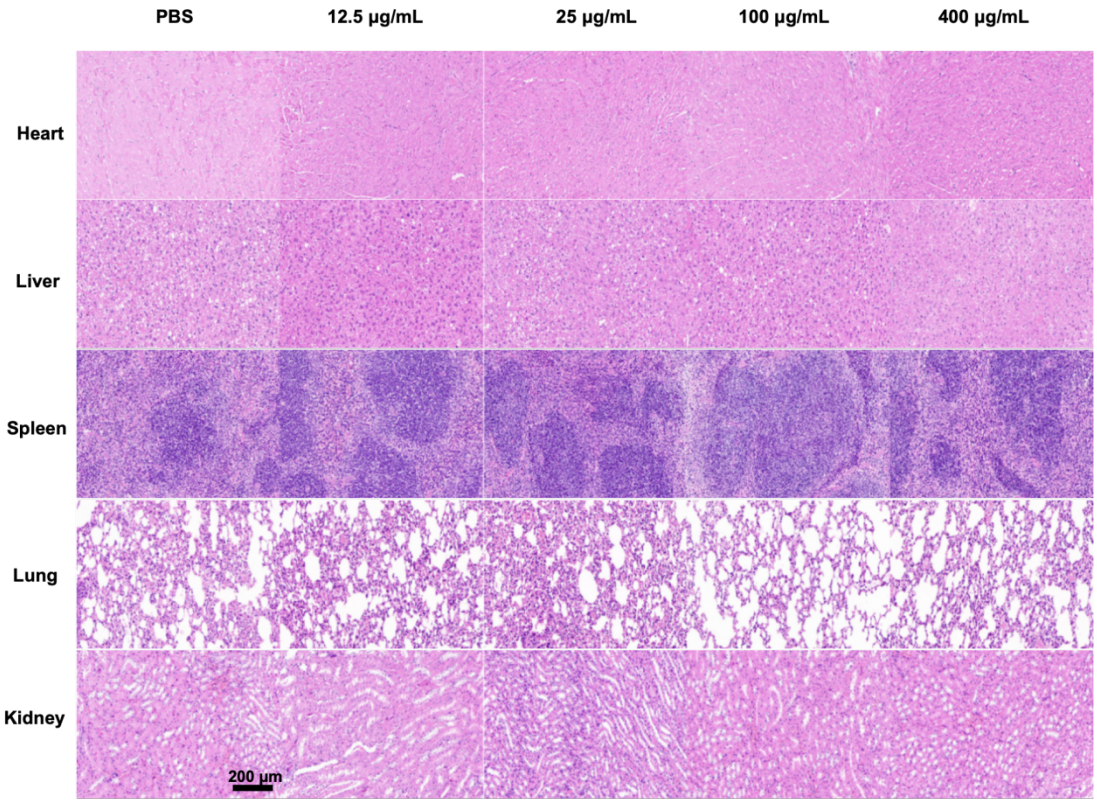
Supplementary Figure S6. DPPH· scavenging activity (a) Ce@BSA; (b) Ce@BSA-FA; (c) Ce@BSA-TA.



Supplementary Figure S7. Stability evaluation of the ROS scavenging performance of Ce@BSA-TA after two months of storage. (a) Hydroxyl radical (•OH) scavenging activity. (b) Superoxide anion radical (O_2•$^-$) scavenging activity. (c) ABTS radical scavenging activity. (d) DPPH radical scavenging activity.



Supplementary Figure S8. Total reducing power of Ce@BSA, Ce@BSA-FA, and Ce@BSA-TA nanochains as a function of concentration.



Supplementary Figure S9. *H&E* stained images of major organs (Heart, Liver, Spleen, Lung, Kidney) after 14 days of treatment