Supplementary Material

The protective effect of biomineralized BSA-Mn_3O_4 nanoparticles on HUVECs investigating by atomic force microscopy

Xinyue Guo[a, b,1], Weiqi Zhou[a, 1], Yanxue Guan[a], Juan Qin[a, b], Bailin Zhang[a, b],

Miaomiao Zhang[*, a], Jilin Tang[*, a, b]

[a] State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, 130022, P.R. China

[b] University of Science and Technology of China, Hefei, 230026, P.R. China

***Corresponding author:**

E-mail: jltang@ciac.ac.cn; Tel/Fax: +86-431-85262734

[1]Auther contributions:

These two authors contributed equally to this work.

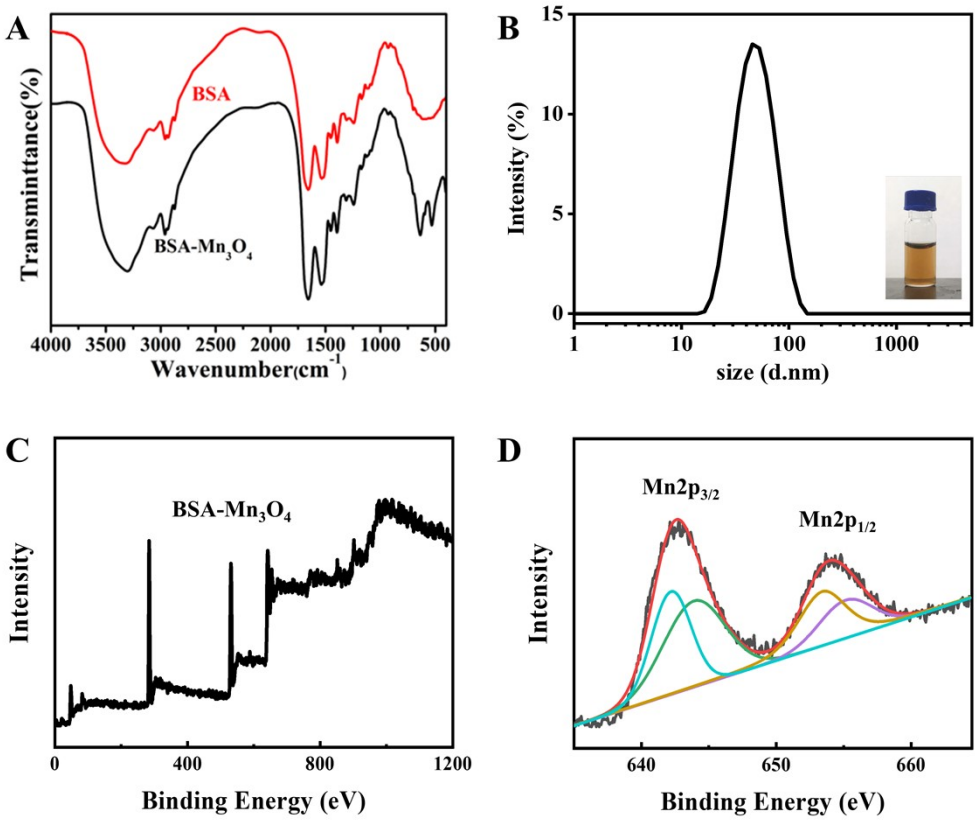

Figure S1 (A) FT-IR spectra of BSA and BSA-Mn_3O_4 NPs. (B) Hydrodynamic diameter of BSA-Mn_3O_4 NPs in aqueous solution after one month incubation. Inset: a corresponding photograph of BSA-Mn_3O_4 NPs in aqueous solution. (C) XPS spectrum of BSA-Mn_3O_4 NPs. (D) XPS spectrum of Mn 2p region of BSA-Mn_3O_4 NPs.