



Cite this: *Biomater. Sci.*, 2026, **14**, 2139

Correction: MnO₂-based nanoparticles remodeling tumor micro-environment to augment sonodynamic immunotherapy against breast cancer

Haiqin Liao,^{a,b,c,d} Mingyu Chen,^{b,c,d} Zhipeng Liao,^{b,c,d} Yi Luo,^{b,c,d} Sijie Chen,^{b,c,d} Long Wang,^{e,f} Zhigang Wang^a and Chengcheng Niu^{*b,c,d}

DOI: 10.1039/d6bm90020h

rs.c.li/biomaterials-science

Correction for 'MnO₂-based nanoparticles remodeling tumor micro-environment to augment sonodynamic immunotherapy against breast cancer' by Haiqin Liao *et al.*, *Biomater. Sci.*, 2025, **13**, 2767–2782, <https://doi.org/10.1039/D5BM00189G>.

The authors regret the error in Fig. 2C in the original manuscript. The correct version of Fig. 2C is as shown below.

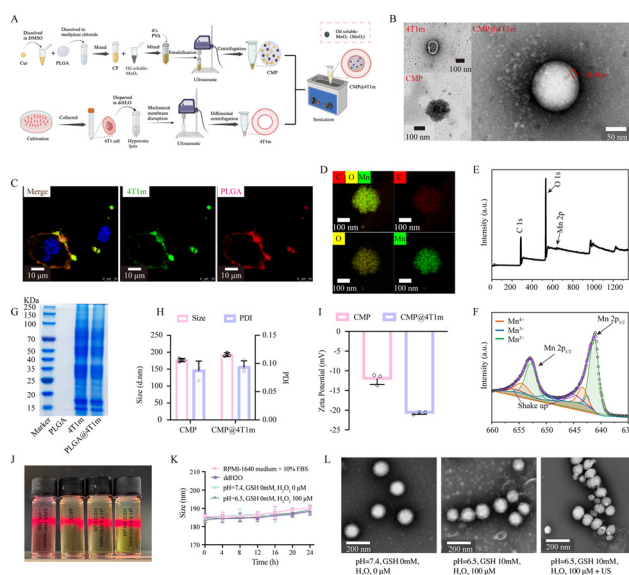


Fig. 2 (A) Schematic illustration of preparation of CMP@4T1m nanoparticles; (B) TEM images of 4T1m, CMP and CMP@4T1m nanoparticle. (C) CLSM images of the colocalization of 4T1m and PLGA. DAPI: blue, Dio labelled 4T1m: green, Dil labelled PLGA: red. (D) Element mapping of CMP@4T1m nanoparticles and corresponding element distribution of C, O, Mn. XPS analysis of CMP@4T1m nanoparticles (E) survey scan and (F) Mn 2p peaks. (G) SDS-PAGES image of marker, PLGA, 4T1m and PLGA@4T1m nanoparticles; dynamic light scattering (DLS) analysis of CMP and CMP@4T1m nanoparticles. (H) Particle size and (I) zeta potential. (J) Tyndall effect of CMP@4T1m nanoparticles after dispersed in different conditions for 24 h. (K) Dispersion stability of CMP@4T1m nanoparticles in different conditions was monitored for 24 h. (L) TEM images of CMP@4T1m nanoparticles under different conditions.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

^aDepartment of Ultrasound, the Second Affiliated Hospital of Chongqing Medical University, Chongqing, 400010, China. E-mail: niuchengcheng@csu.edu.cn

^bDepartment of Ultrasound, The Second Xiangya Hospital, Central South University, Changsha, Hunan 410011, China

^cResearch Center of Ultrasonography, The Second Xiangya Hospital, Central South University, Changsha, Hunan 410011, China

^dClinical Research Center for Ultrasound and Treatment in Hunan Province, Hunan 410011, China

^eDepartment of Orthopedics, Xiangya Hospital, Central South University, Changsha, Hunan 410008, China

^fHunan Engineering Research Center of Biomedical Metal and Ceramic Implants, Xiangya Hospital, Central South University, Changsha, China

