Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Photothermal Treatment of Oropharyngeal Cancer with Carbon-Defective Silicon Carbide

Haibin Mu,[a] Haiyang Pang,[b] Ce Zheng,[c] Kaixin Wang,[d] Narisu Hu*[b] and Bin Zhang[a, b]*

[a.] *Institute of Hard Tissue Development and Regeneration, The Second Affiliated Hospital of Harbin Medical University, Harbin 150001, Heilongjiang, China.*

[b.] *Oral Implant Center, Second Affiliated Hospital of Harbin Medical University, Harbin 150086, China.*

E-mail: 56506075@qq.com(N.Hu)

[c.] *Medical Affairs Department, Harbin Medical University, Harbin 150086, China;*

[d.] *Shanghai Chaowei Nanotechnology Co. Ltd. No.487, Edward, Road, Jiading District, Shanghai, China.*

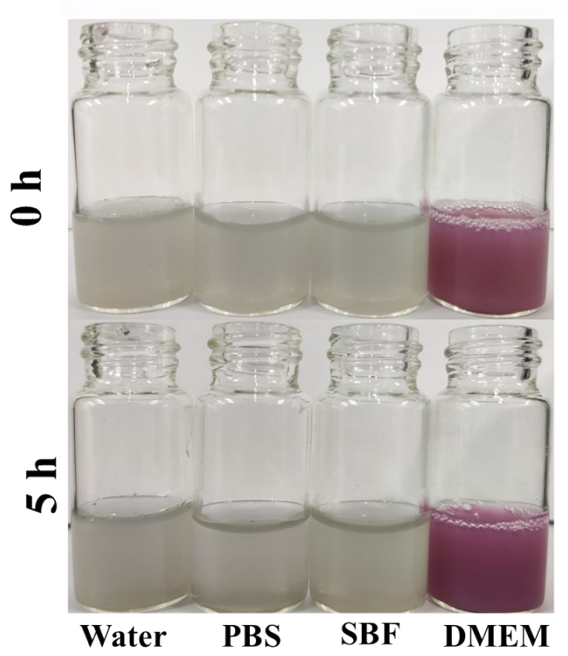

Figure S1 The photographs of SiC1-x dispersed in different mediums.

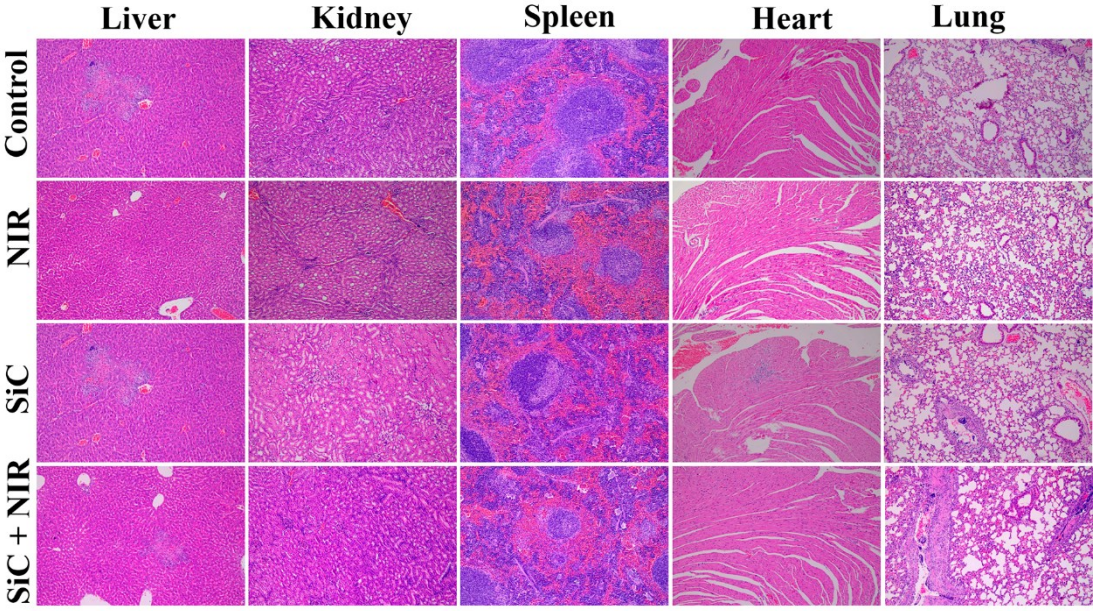

Figure S2 H&E stain image of major organs

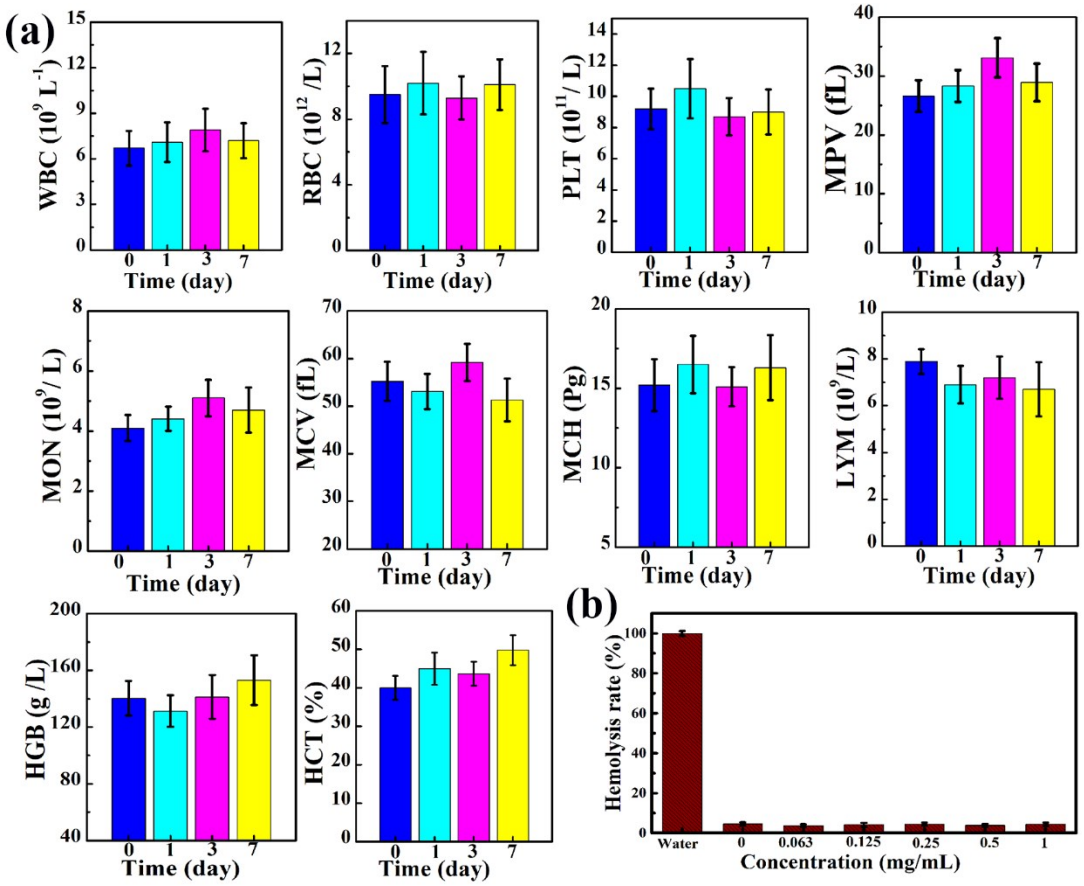

Figure S3 (a) hematological analyses and (b) hemolysis assay

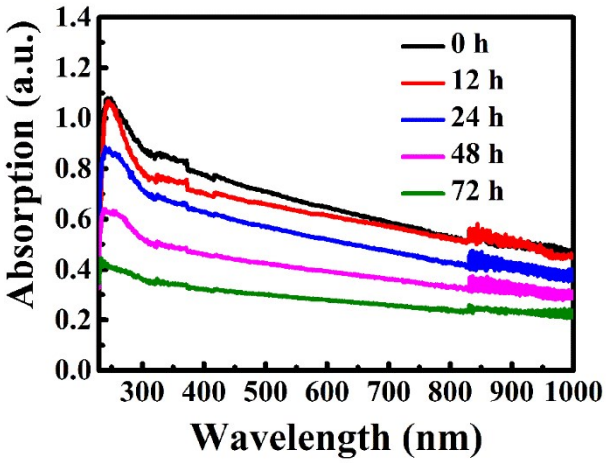

Figure S4 Optical absorbance of SiC_{1-x} in SBF solution.

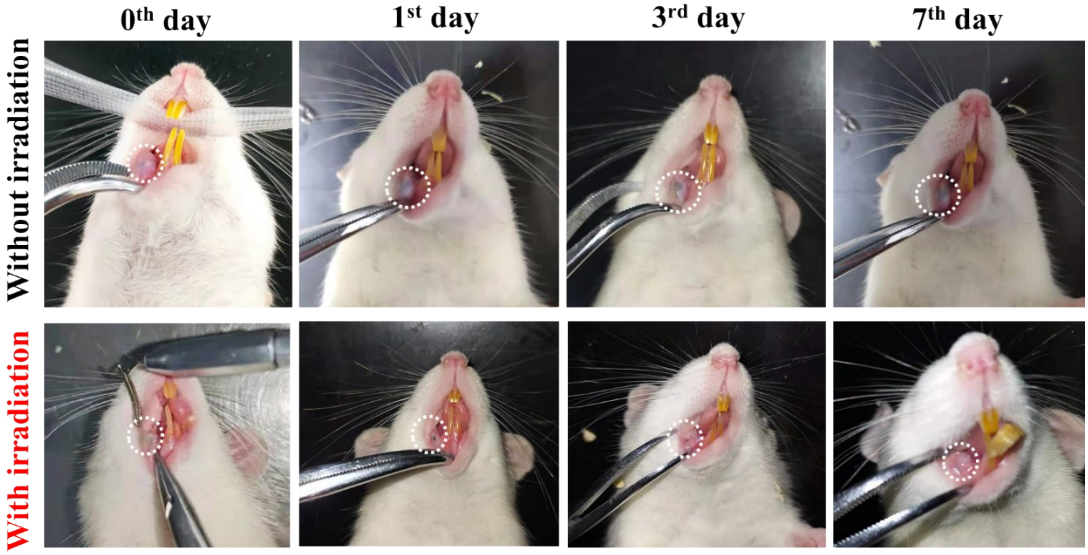

Figure S5 Photographs of mice with and without PTT anti-bacterial treatment