

Supporting Information

Broad-Spectrum Photothermal High-Entropy Alloy Powders for Efficient Solar-Driven Antibacterial and Dye Degradation

Bang An^a, Mengmeng Yang^a, Yuanyuan Shang^b, Chao Sun^a, Shuo Wang^a, Kun Qian^a, Xuexue Zou^a, Qiangsheng Dong^c, Yi Shao^{a, d}, Chenglin Chu^a, Feng Xue^{a,*}, Cheng Wang^{a,*}, Jing Bai^{a, d,*}

^a School of Materials Science and Engineering, Jiangsu Key Laboratory for Advanced Metallic Materials, Southeast University, Nanjing 211189, China

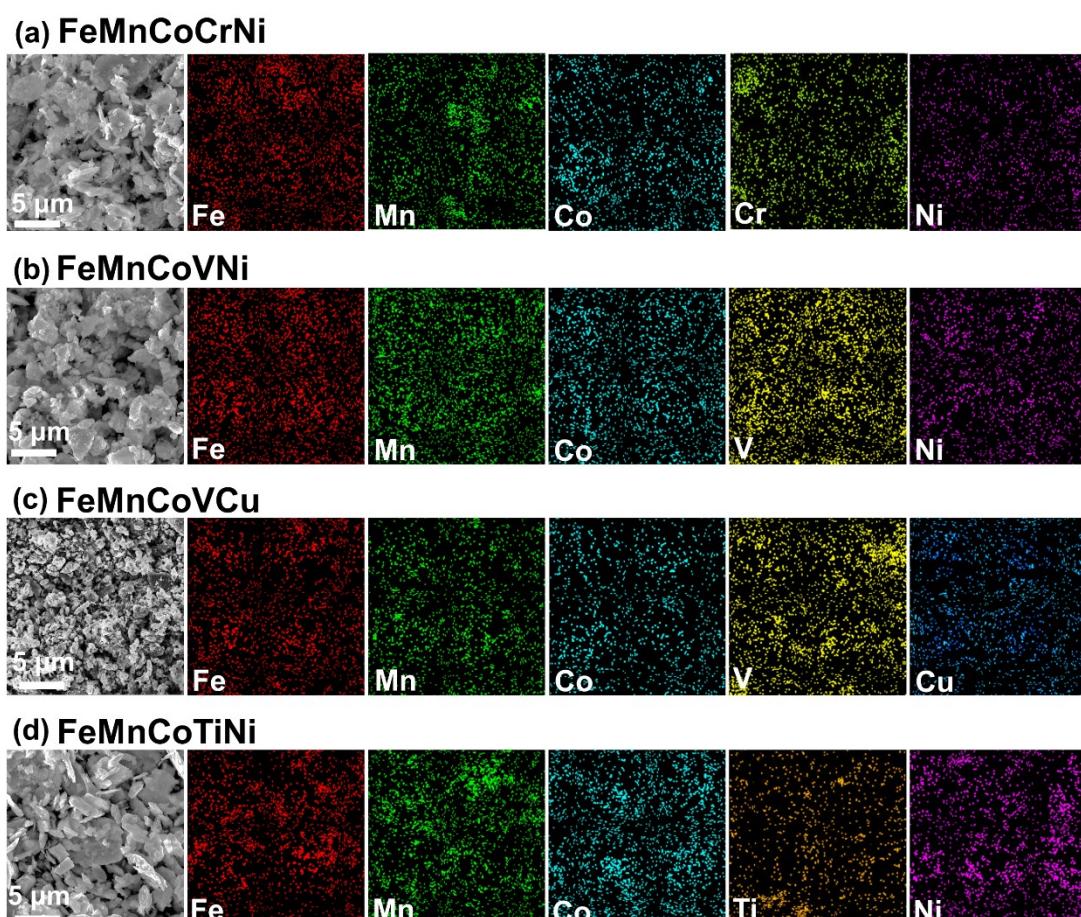
^b Department of Materials Design, Institute of Hydrogen Technology, Helmholtz-Zentrum hereon GmbH, Geesthacht 21502, Germany

^c School of Materials Science and Engineering, Nanjing Institute of Technology, Nanjing 211167, China

^d Institute of Biomedical Devices (Suzhou), Southeast University, Suzhou, 215163, China

***Corresponding authors:**

xuefeng@seu.edu.cn; cheng.wang@seu.edu.cn; baijing@seu.edu.cn



Experimental Section

Fig. S1. SEM images and corresponding EDS elemental maps of different HEAPs: (a) FeMnCoCrNi, (b) FeMnCoVNi, (c) FeMnCoVCu, (d) FeMnCoTi.

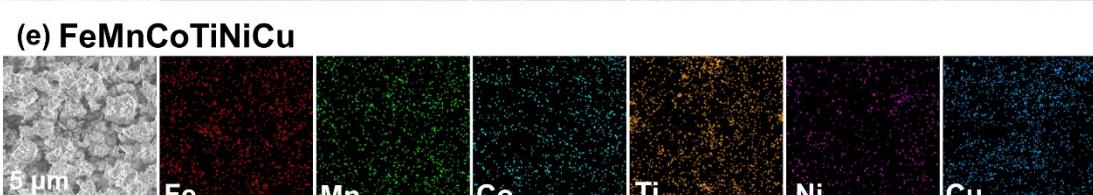
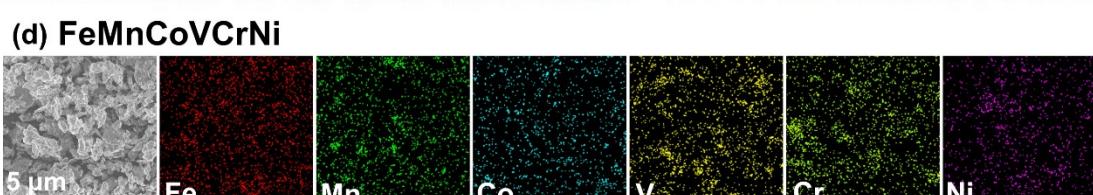
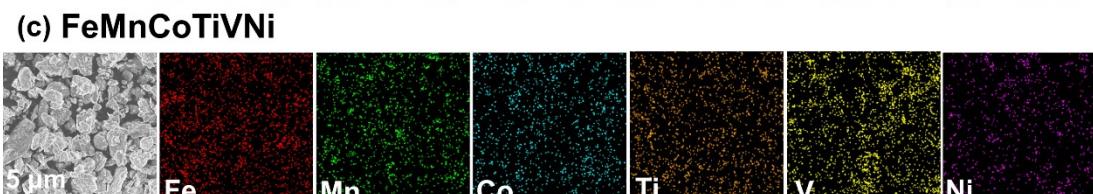
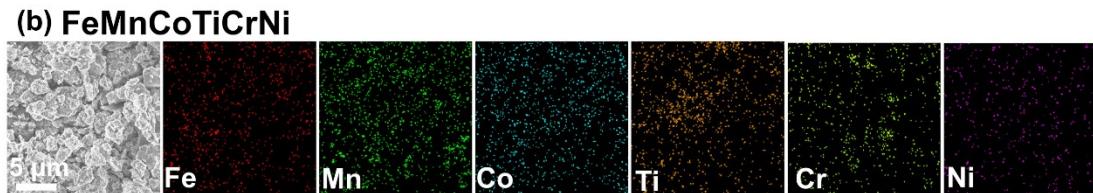
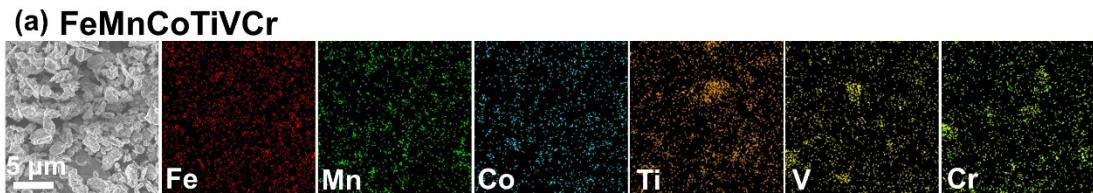
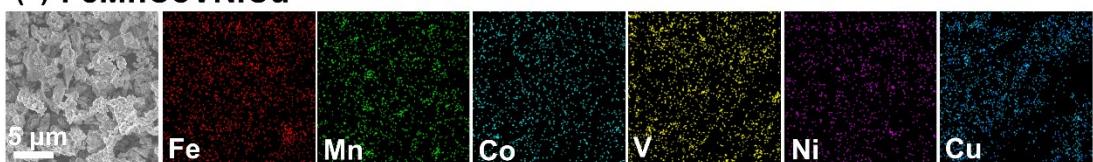
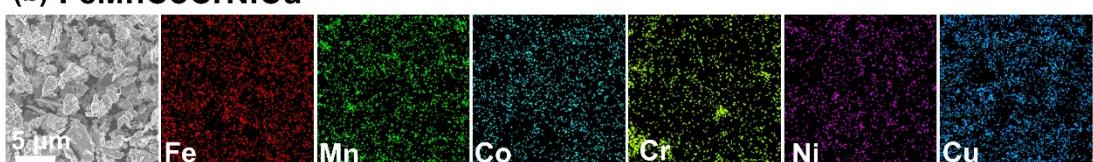


Fig. S2. SEM images and the corresponding EDS elemental maps of different HEAPs: (a) FeMnCoTiVCr, (b) FeMnCoTiCrNi, (c) FeMnCoTiVNi, (d) FeMnCoVCrNi, (e) FeMnCoTiNiCu, (f) FeMnCoVCrCu.

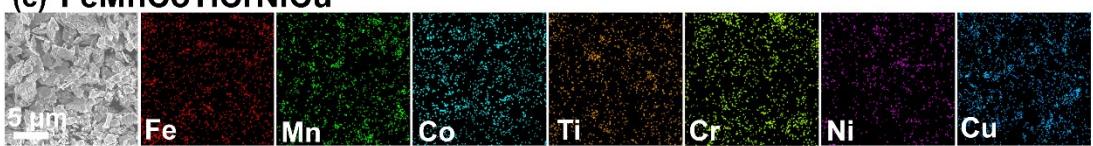
(a) FeMnCoVNiCu



(b) FeMnCoCrNiCu



(c) FeMnCoTiCrNiCu



(d) FeMnCoVCrNiCu

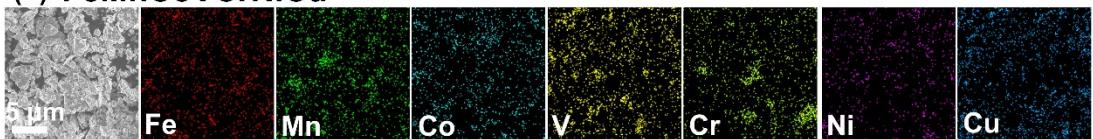


Fig. S3. SEM images and the corresponding EDS elemental maps of HEAPs: (a) FeMnCoVNiCu, (b) FeMnCoCrNiCu, (c) FeMnCoTiCrNiCu, (d) FeMnCoVCrNiCu.