

Supporting Information

Multi-Dimensional Architecture Materials of Amino acids and Metal Ions

Guangcheng Wei^{1*}, Chunhua Wang¹, Liying Ma¹, Feng Li², Zonghua Gao^{1*}, Miaomiao Yan^{2*}

1. Department of Pharmacy Science, Binzhou Medical University, Yantai, 264003, China

2. Experiment Teaching Center, Binzhou Medical University, Yantai, 264003, China.

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1. Ag⁺- amine acid molecules system

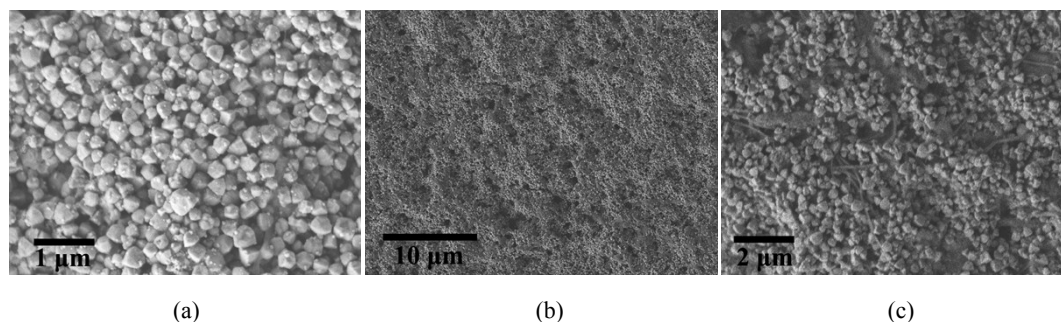


Figure S1. SEM images. (a) Ag⁺-tyrosine ($2.8 \times 10^{-5} \text{ molL}^{-1}$) system; (b) Ag⁺- tryptophan ($1 \times 10^{-2} \text{ molL}^{-1}$) system; (c) Ag⁺- arginine ($2 \times 10^{-5} \text{ molL}^{-1}$)

2. Cu²⁺ - amine acid molecules system

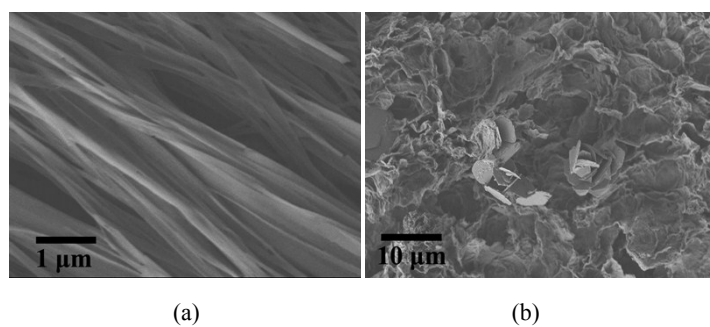


Figure S2. SEM images. (a) Cu²⁺-phenylalanine ($9 \times 10^{-2} \text{ molL}^{-1}$) system; (b) Cu²⁺- arginine ($1 \times 10^{-5} \text{ molL}^{-1}$) system

3. Co²⁺ - amine acid molecules system

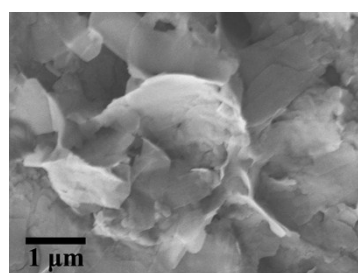


Figure S3. SEM image of Co²⁺-arginine ($1 \times 10^{-5} \text{ molL}^{-1}$) system.

4. Cu₂(OH)PO₄ crystal

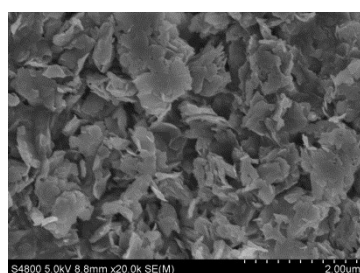


Figure S4. SEM image of $\text{Cu}_2(\text{OH})\text{PO}_4$ crystal.