

## Supporting Information

### **Preparation of multifunctional ceramic foams for sound-absorbing, waterproof, and antibacterial applications**

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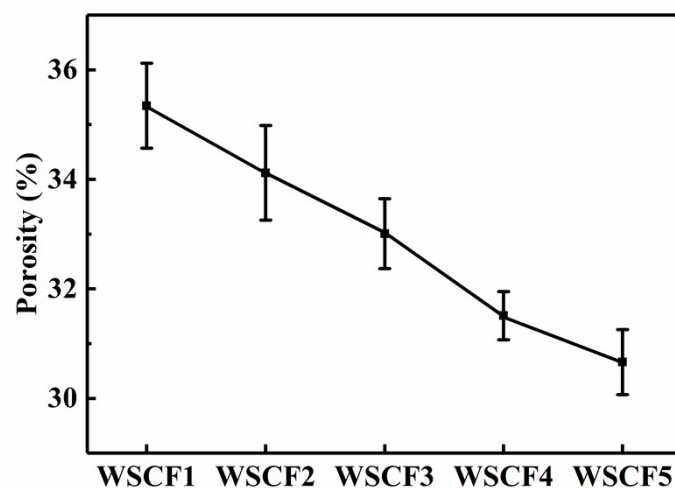
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**Fig. S1** The porosity of the different ceramic foams.

**Table S1** The antibacterial rates (*E*) of different ceramic foams.

Samples	Average <i>E</i> for <i>E. coli</i>	Average <i>E</i> for <i>S. aureus</i>
Control	0	0
WSCF1	95.53%	95.50%
WSCF2	95.79%	96.75%
WSCF3	98.29%	97.25%
WSCF4	99.74%	99.75%
WSCF5	100%	99.75%