

1 **Supporting Information**

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3 **Manufacturing of open-cell aluminum foams via infiltration casting in super-gravity**

4 **fields and mechanical properties**

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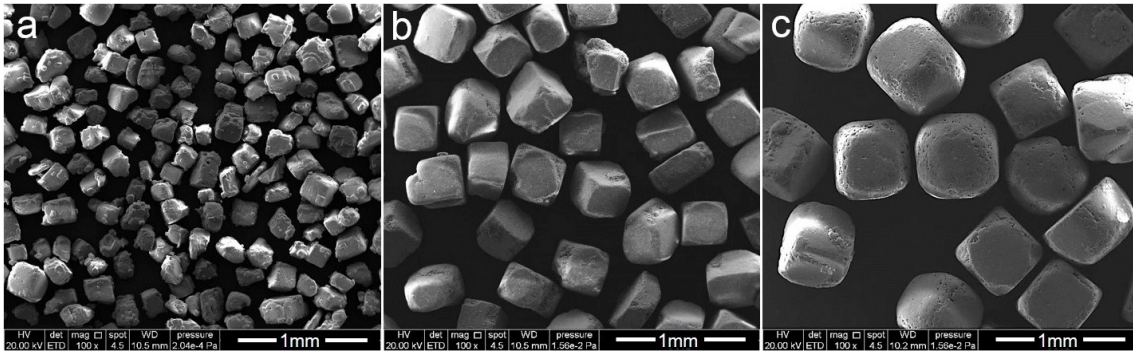
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1 Supplementary Figures

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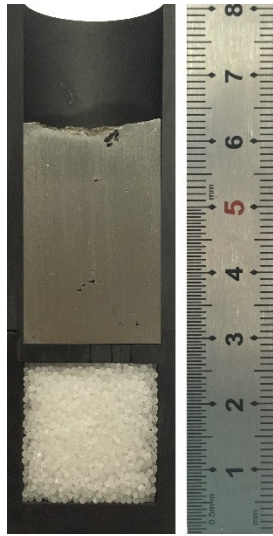
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4 **Fig. S1.** SEM images of the original NaCl particles with different sizes used for the NaCl
5 preform. (a) 200 μm , (b) 400 μm and (c) 600 μm .

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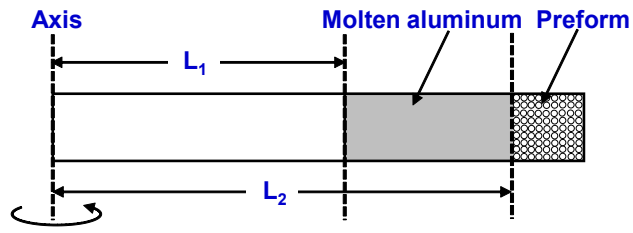
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2 **Fig. S2.** Image of the cross section of a graphite crucible containing NaCl preform and
3 aluminum in the lower crucible and upper crucible, respectively

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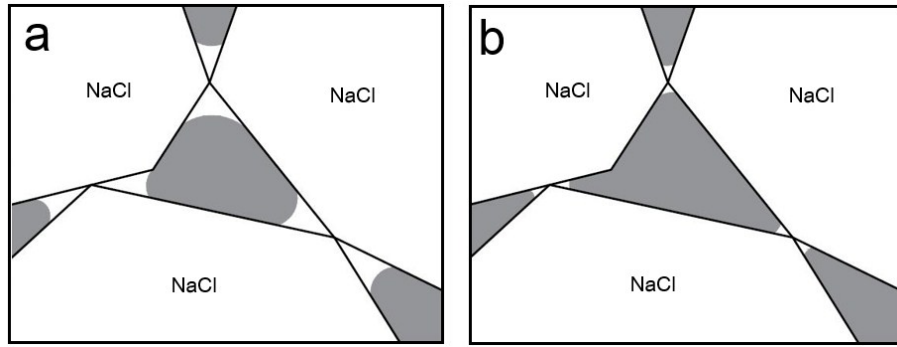


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Fig. S3. Schematic of the super-gravity infiltration process



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2 **Fig. S4** Schematic of the gradual infiltration of molten metal into NaCl preform. (a) at low
3 pressures, the molten metal only infiltrates wider regions in the preform; (b) at high pressures,
4 the molten metal infiltrates narrower spaces in the preform.

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