

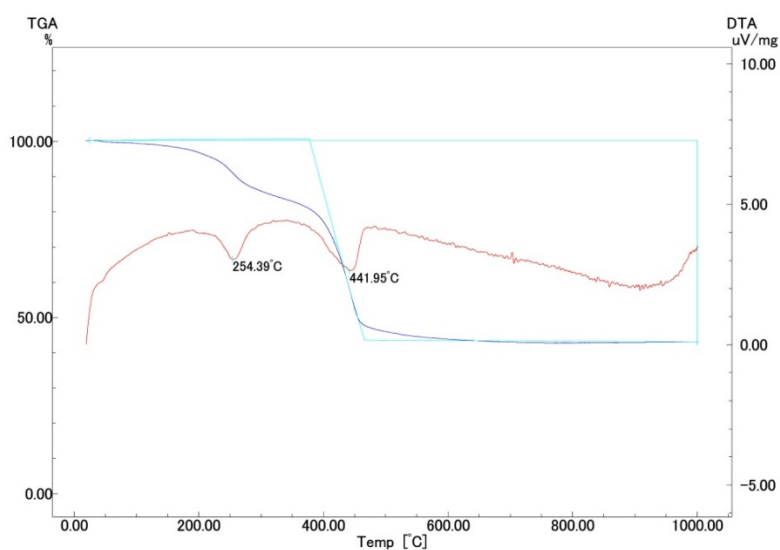
## Self-organized formation of spherical porous granules only by one-step heat-treatment in MgO-Fe<sub>2</sub>O<sub>3</sub>-Nb<sub>2</sub>O<sub>5</sub> system

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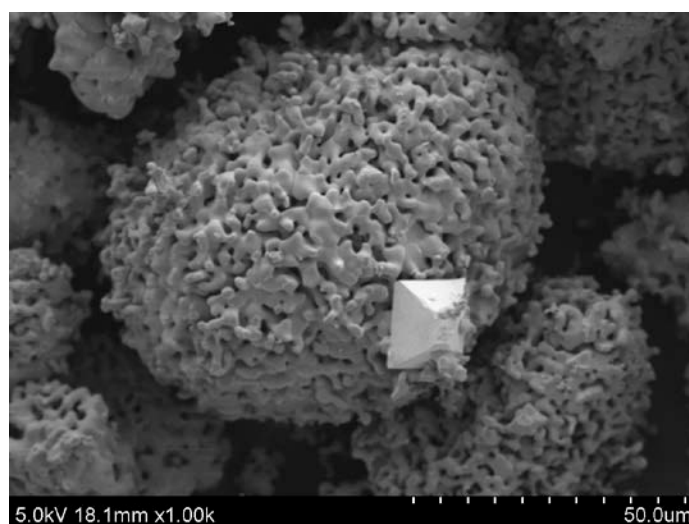
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### Supplement



**Fig. S1** TG-DTA analysis of the MgCO<sub>3</sub> (basic) powder.



**Fig. S2** SEM image of the sample after a series of HT-XRD measurements (measurements at each temperature, including final measurement at 1350°C with 2 h holding), corresponding to sample after cooling in Fig. 4.