

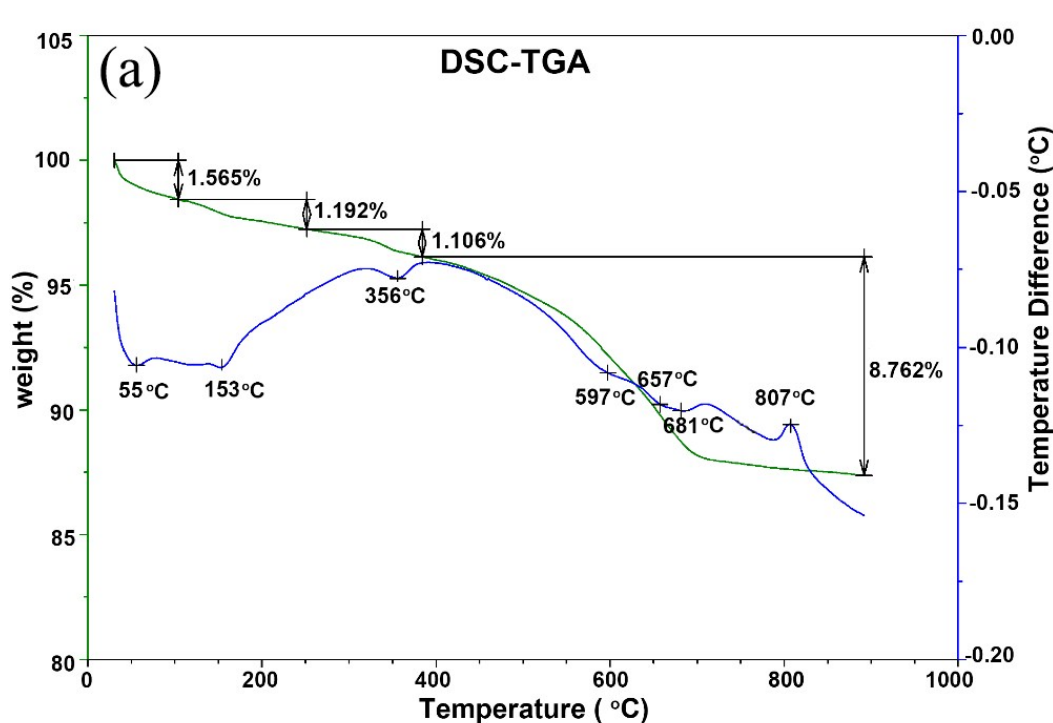
1 **Supporting information:**

2 **Fig. S1.** The TGA and DSC studies (a) and FTIR spectrum analysis of exit gas from
3 the natural olivine calcination (b).

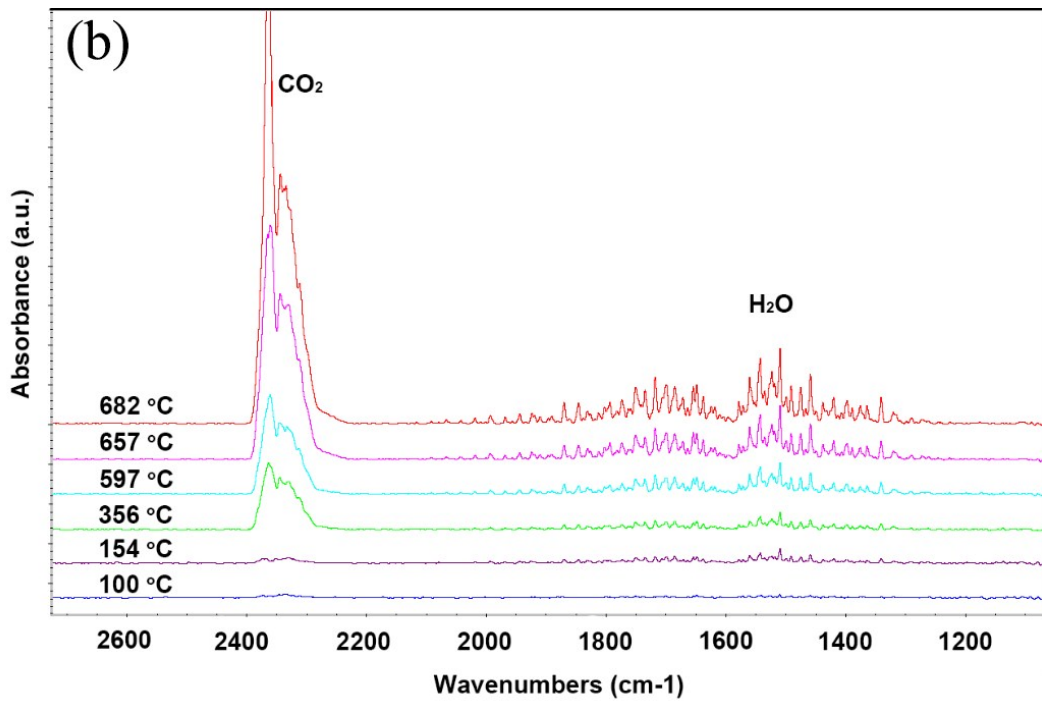
4 **Fig. S2.** Scanning electron microscopy images of the natural olivine and the calcined
5 olivine

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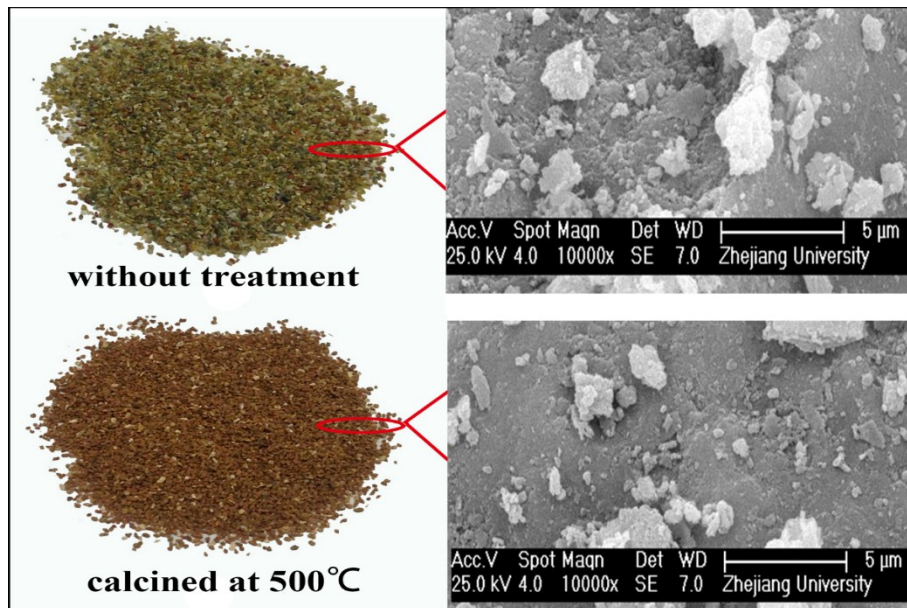


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Fig. S1.



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Fig. S2.