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Dear Editor,

Please find attached our manuscript entitled “Operation of a 25 kWth calcium looping pilot-plant with high oxygen concentrations in the calciner”, which we would like to submit for publication in Journal of Visualized Experiments as an original research paper.

In this manuscript, the operational protocol to run our 25kWth calcium looping unit, comprising a CFB and a BFB, is described for the burning of fuel in high oxygen concentrations in the calciner. Several experiments are described to show the optimisation process of this protocol to reach the highest capture rate possible. Also, different particle sizes are investigated in our unit to show the effects of this parameter in the overall efficiency.

We confirm that this manuscript has not been published elsewhere and is not under consideration by another journal. All authors have approved the manuscript and agree with its submission to the Journal of Visualized Experiments.

Yours sincerely,

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