

Supplementary information

for

Sonocrystallization as an efficient way to control size, morphology and purity of coordination compounds microcrystallites: application to single-chain magnets

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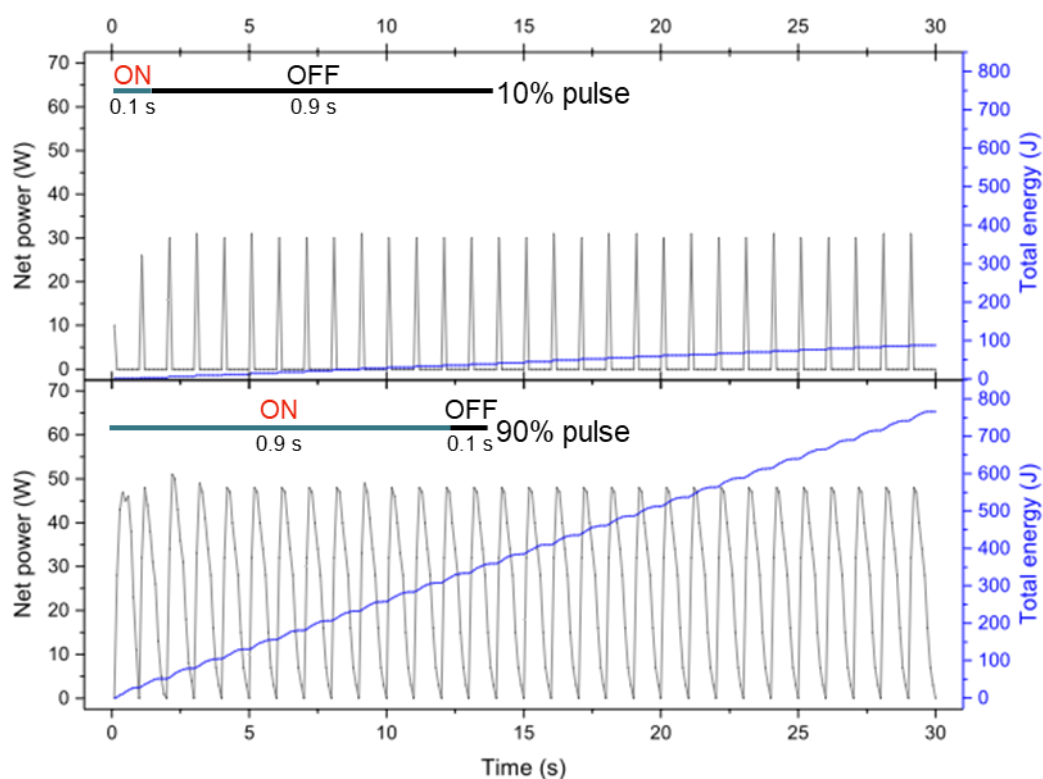


Figure S1. Energy delivery of the sonotrode over time with 10% (top) and 90% sonic pulse. This last sonication conditions was the one used in the study. Ultrasound frequency fixed at 24 kHz.

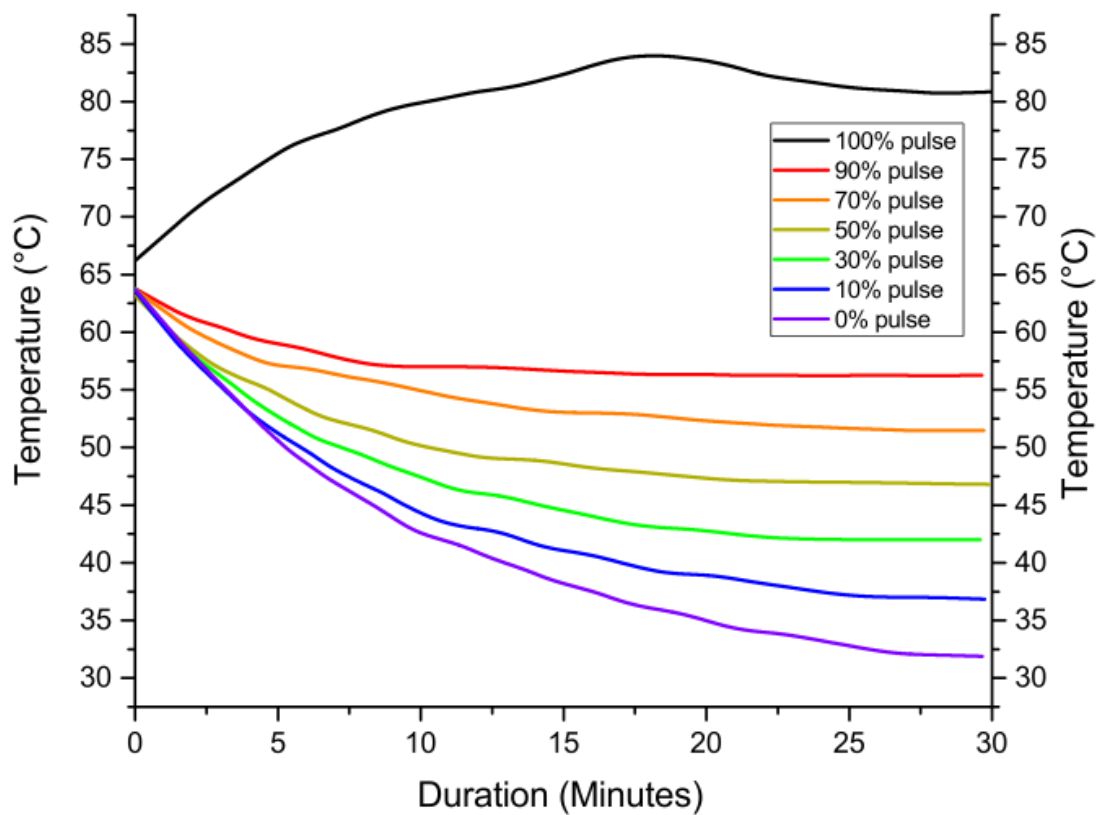


Figure S2. Thermal profiles of an heptane solution as a function of time and ultrasonic pulse duration. 0% pulse is a silent condition, while 100% is sonication in continuous mode. In this latter case total boiling of the solvent is observed together with intense cavitation bubbles that provide inaccurate temperature reading. The temperature is measured by the probe inserted in the solution next to the sonicating horn (see figure 3).

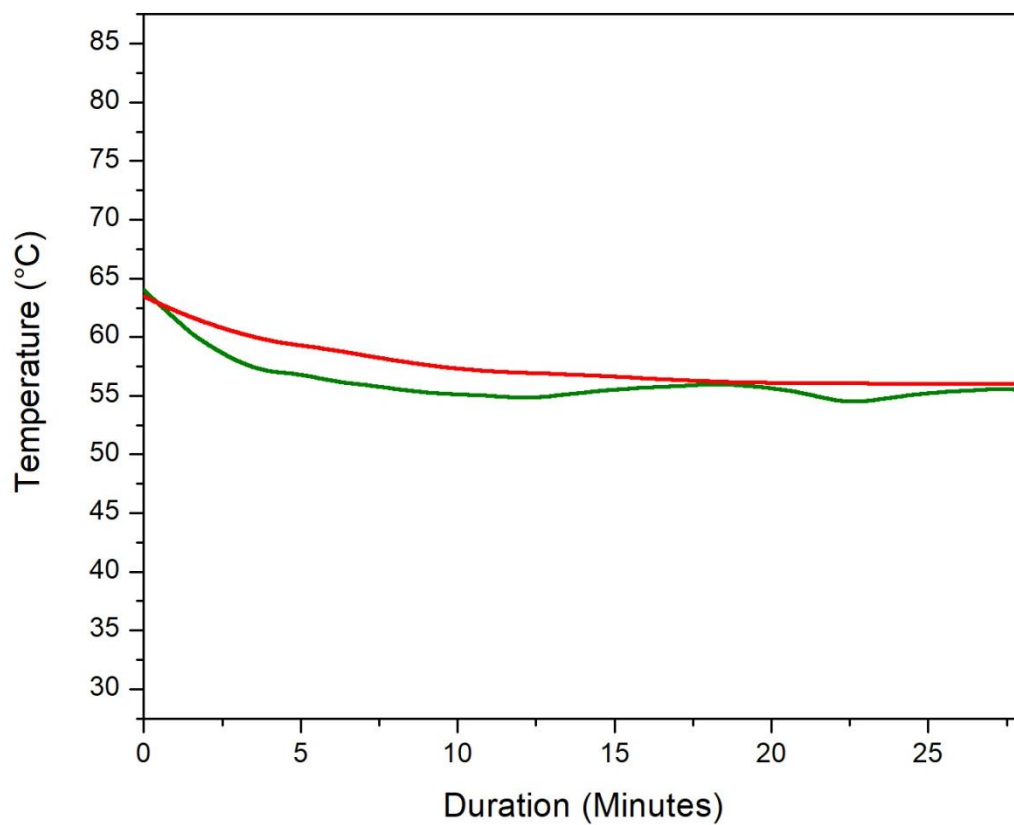


Figure S3. Experimental thermal profiles of US2 (red) and T (green) the thermally-assisted crystallization that mimics the temperature plateau obtained by sonication.