

Supplementary material for

The mechanism of wear reduction in the Ni-CaF₂ composite material: Raman and confocal microscopy insights

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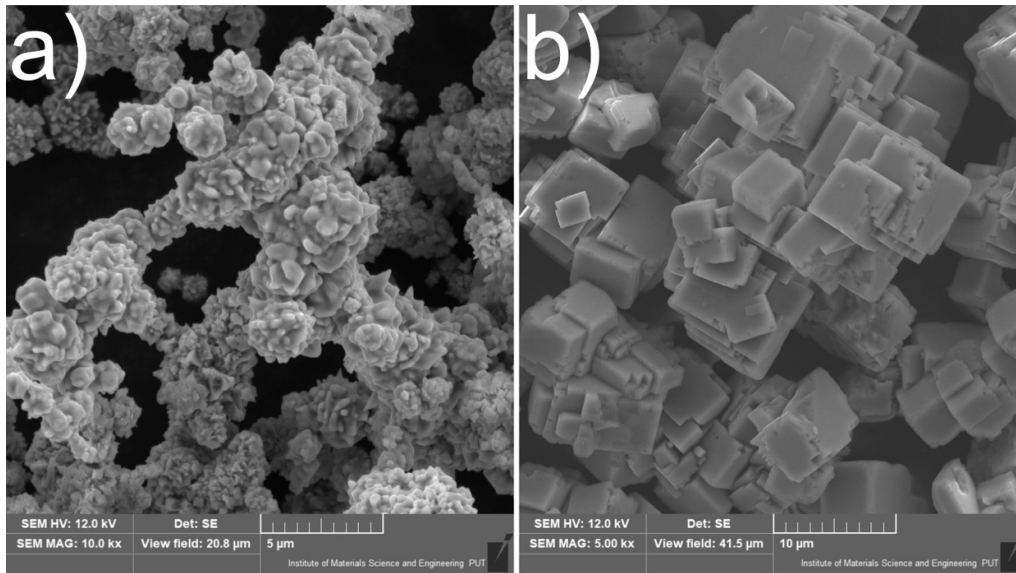


Figure S1. The powders used in this investigation: pure Ni (a) and CaF₂ (b).

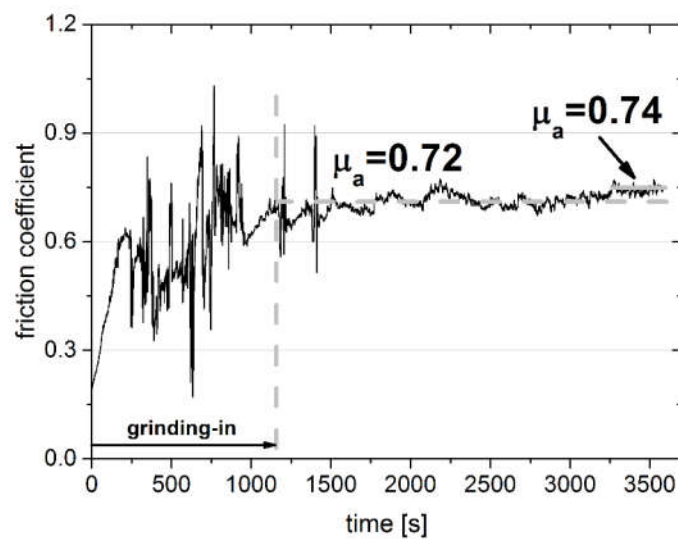


Figure S2. Friction coefficient vs. time of friction for sintered Ni-10%CaF₂ self-lubricating composite, mating with Inconel[®]625-alloy at room temperature.

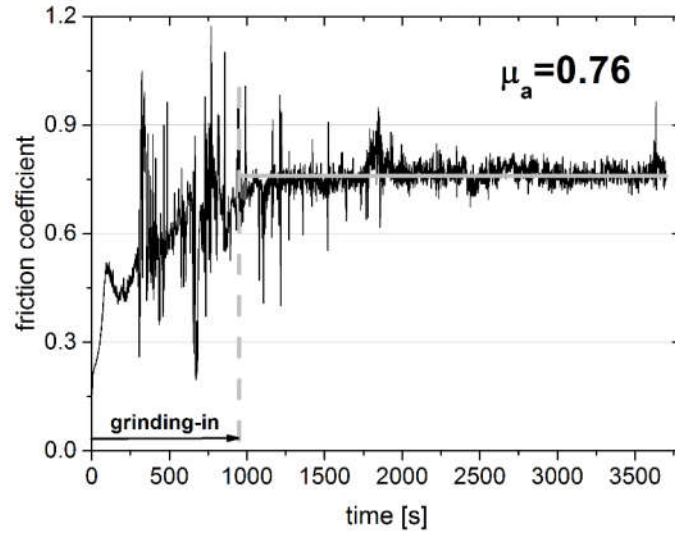


Figure S3. Friction coefficient vs. time of friction for sintered Ni-10%CaF₂ self-lubricating composite, mating with Inconel®625-alloy at 200°C (473 K).

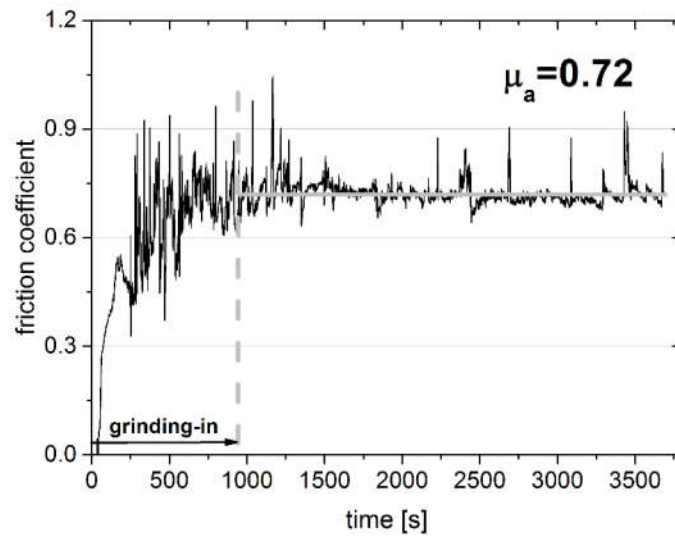


Figure S4. Friction coefficient vs. time of friction for sintered Ni-10%CaF₂ self-lubricating composite, mating with Inconel®625-alloy at 400°C (673 K).

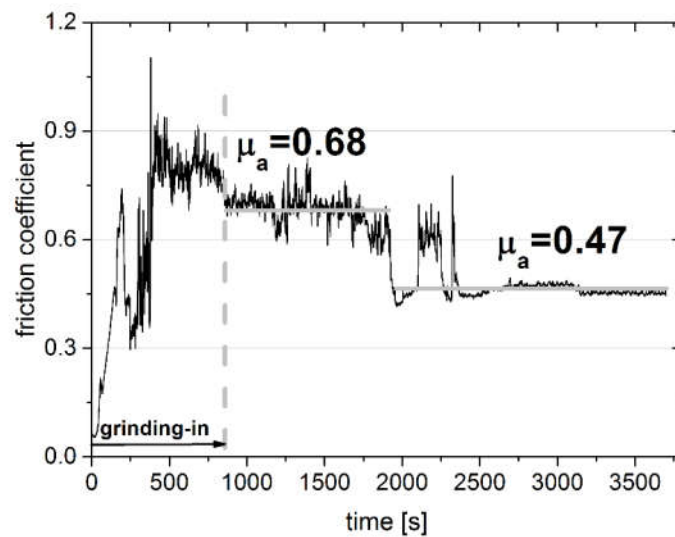


Figure S5. Friction coefficient vs. time of friction for sintered Ni-10%CaF₂ self-lubricating composite, mating with Inconel®625-alloy at 600°C (873 K).