

Thermal Annealing and Phase Transformation of Serpentine - Like Garnierite

Arun Kumar^{1,2}, Michele Cassetta¹, Marco Giorola³, Marco Zanatta⁴, Monique Le Guen⁵, Gian Domenico Soraru⁶, Gino Mariotto^{1,*}

¹Department of Computer Science, University of Verona, 37134, Verona, Italy

²CNR-Institute for Microelectronics and Microsystems, Agrate Brianza, 20864, Agrate, Italy

³Centro Piattaforme Tecnologiche (CPT), University of Verona, 37134, Verona, Italy

⁴Department of Physics, University of Trento, 38123, Povo, Trento, Italy

⁵Innovation Technology Direction, ERAMET IDEAS, 78190, Trappes, France

⁶Department of Industrial Engineering, University of Trento, 38123, Povo, Trento, Italy

*Correspondence: gino.mariotto@univr.it

Supplementary Materials

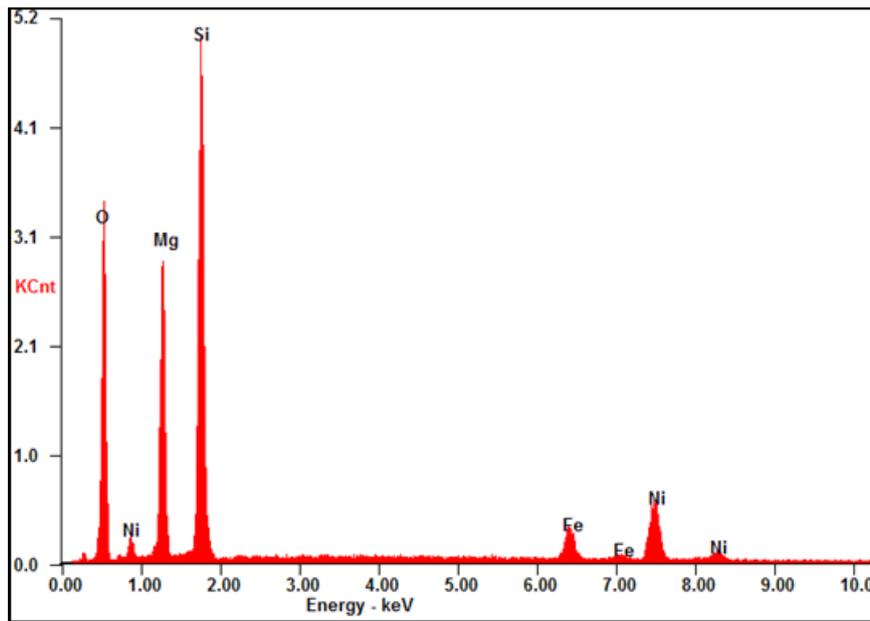


Figure S1: EDX spectrum of the pristine garnierite powder.

Table S1: Average elemental content of the pristine garnierite powder used in this study.

Element	OK	MgK	SiK	NiK	FeK
Wt (%)	40.9	18.6	29.3	7.9	3.0
At (%)	56.1	16.6	22.8	2.9	1.1