Accelerated Microwave Assisted Synthesis of Alumino-Germanate Imogolite Nanotubes

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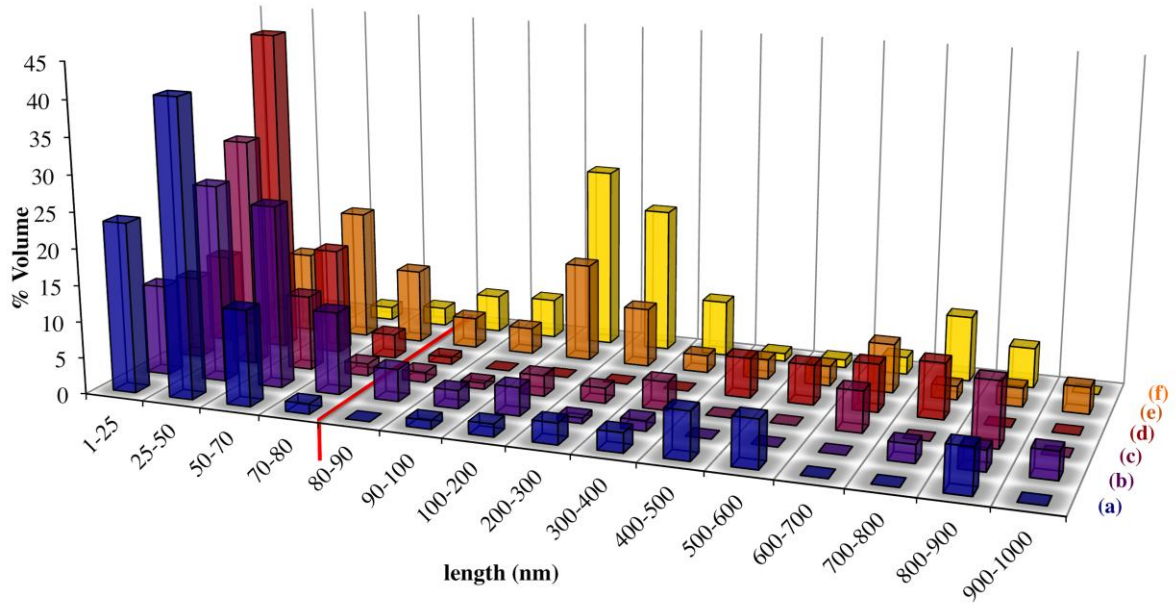

Figure S. 1: Repartition in volume percentage of Ge-imogolites nanotube lengths estimated from AFM images. At least 200 particles were considered excluding aggregates. Growth stages were performed under microwave heating at 100°C: (a) 1h, (b) 2h; 150°C: (c) 1h or (d) 2h; 200°C: (e) 1h or (f) 2h. The maximum length obtained with conventional heating is delimited with the red line.

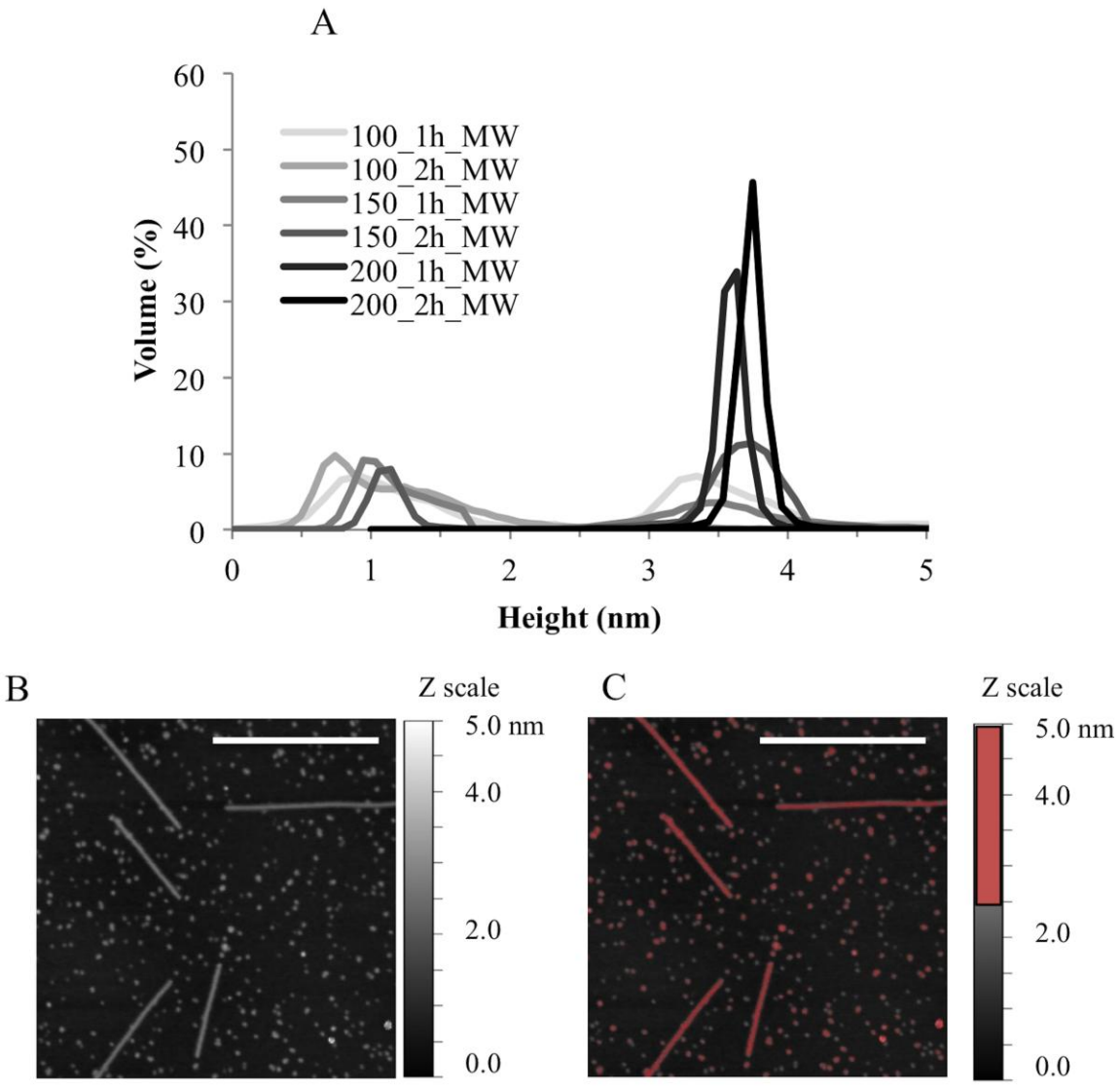

Figure S. 2 : Example of height thresholding to distinguish proto-imogolites from tubes. (A) Height repartition (volumes) of particles synthesized under MW irradiations obtained from AFM pictures. (B) AFM picture of Ge-imogolite grown under MW irradiation, 150°C, 2hrs. (C) Particles highest than 2.5nm (tubes) are highlighted in red.