Figure 1S: Qualitative depth profiles of Zn electroplated coating (after thermal treatment) measured at different pulse durations.
Figure 2S: Qualitative depth profiles of Zn electroplated coating (after thermal treatment) measured at different pulse frequencies.

Figure 3S: Qualitative depth profiles of the whole Zn electroplated coating after thermal treatment, measured with different flow tube lengths (16, 17 and 18 mm, respectively).
Figure 4S: Crater profile measured after sputtering for 350 s using the following µs-pulsed-GD operating conditions: 40µs pulse width; 4 kHz pulse-frequency; 1000 V; Ar 0.34 L·min⁻¹